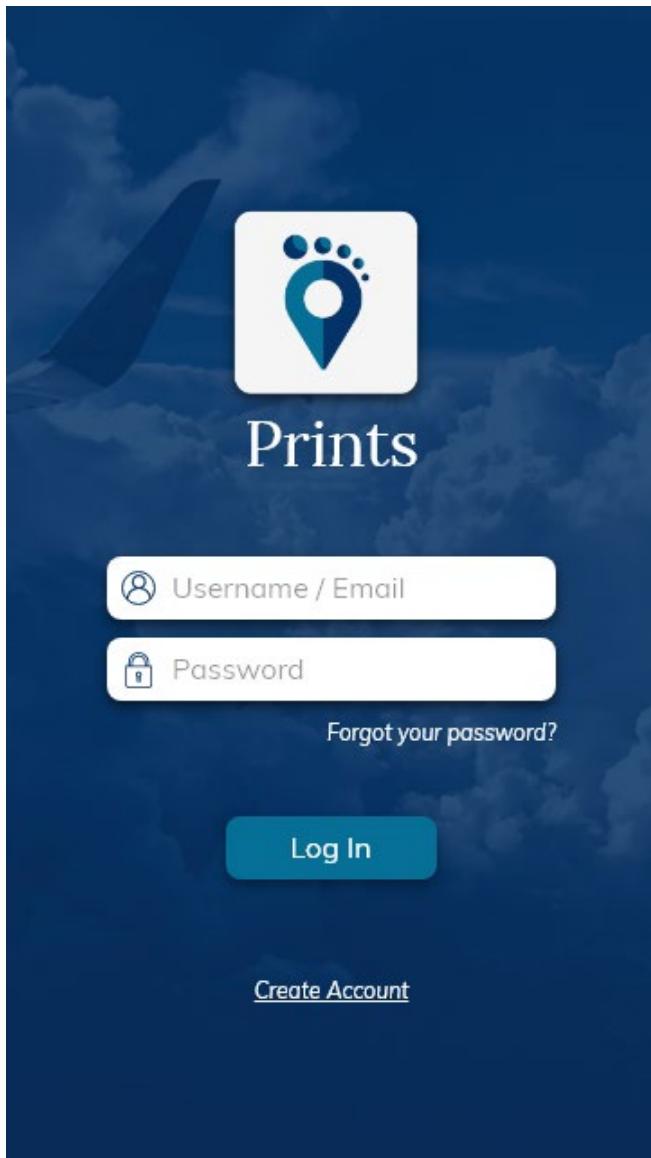




Karen Yao, Project Owner
Centennial College, Toronto, Canada

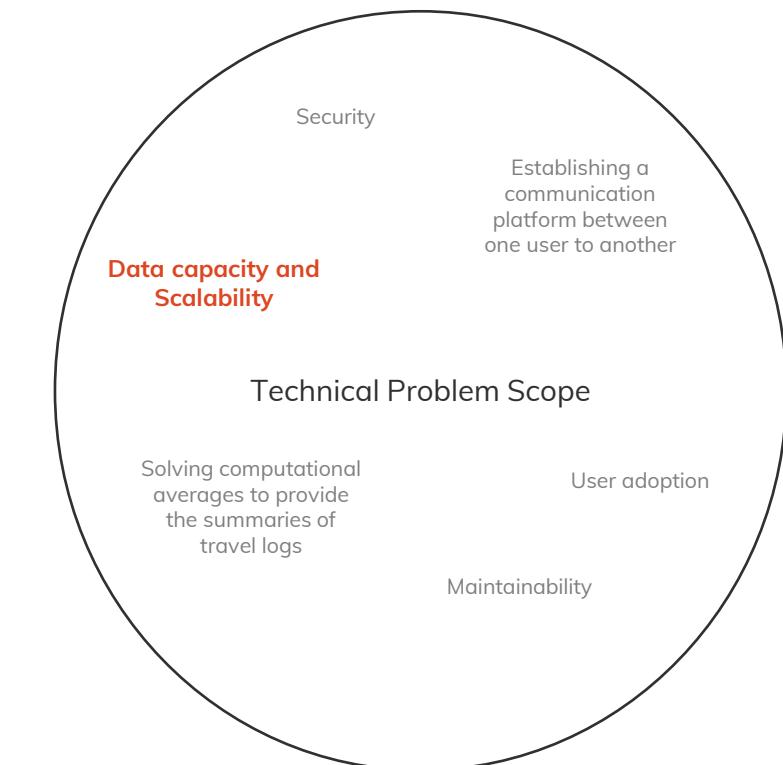


Project Description, Problem Definition and Technical Problem Scope

Prints is a social media travel app designed to allow users to create profiles and to streamline documenting travel memories and planned future trips through the collection of flags, photos, durations, locations, basic trip details, and necessary travel documents in an organized manner.

It aims to solve how people are falling short on recalling and appreciating travelling due to lack of records, reminders, or even photo albums.

Data capacity and scalability is a primary concern because of the large load of data being collected from users.



Target Users & Personas

The app's target users are travelers around 24-45 years old. These include (but are not limited to) vacationers, tourists, business travelers, backpackers, documentarists, travel journalists, resort, hotel or restaurant hoppers, travel or landscape photographers or travel influencers. Here are some sample personas to better relate with or target users:

Yvette M.



"I'm a flight attendant. What's your superpower?"

Flight Attendant – Philippine Airlines
Canada
Filipino

Female
18+ 24 yrs old

Personality

Lively & Optimistic
Wisdom-seeking
Effortlessly fascinated

Absorptive
Idealistic

Dean R.



"The whole world is my country. And who run' the world?"

International Recruitment Manager – University of Toronto
China
Canadian-Iranian

Female
18+ 27 yrs old

Personality

Well-rounded
Sensual
Invigorated

People-focused
Strong & Empowered

Atom A.



"Eat well. Work hard. Travel more."

Journalist – Travel Channel
Maryland, USA
Canadian

LGBTQ+
18+ 28 yrs old

Personality

Perspective-seeking
Critical
Cultural explorer

Inquisitive
Student of the world

Eli S.



"I'm just any normal guy that likes his job, travelling, and good food."

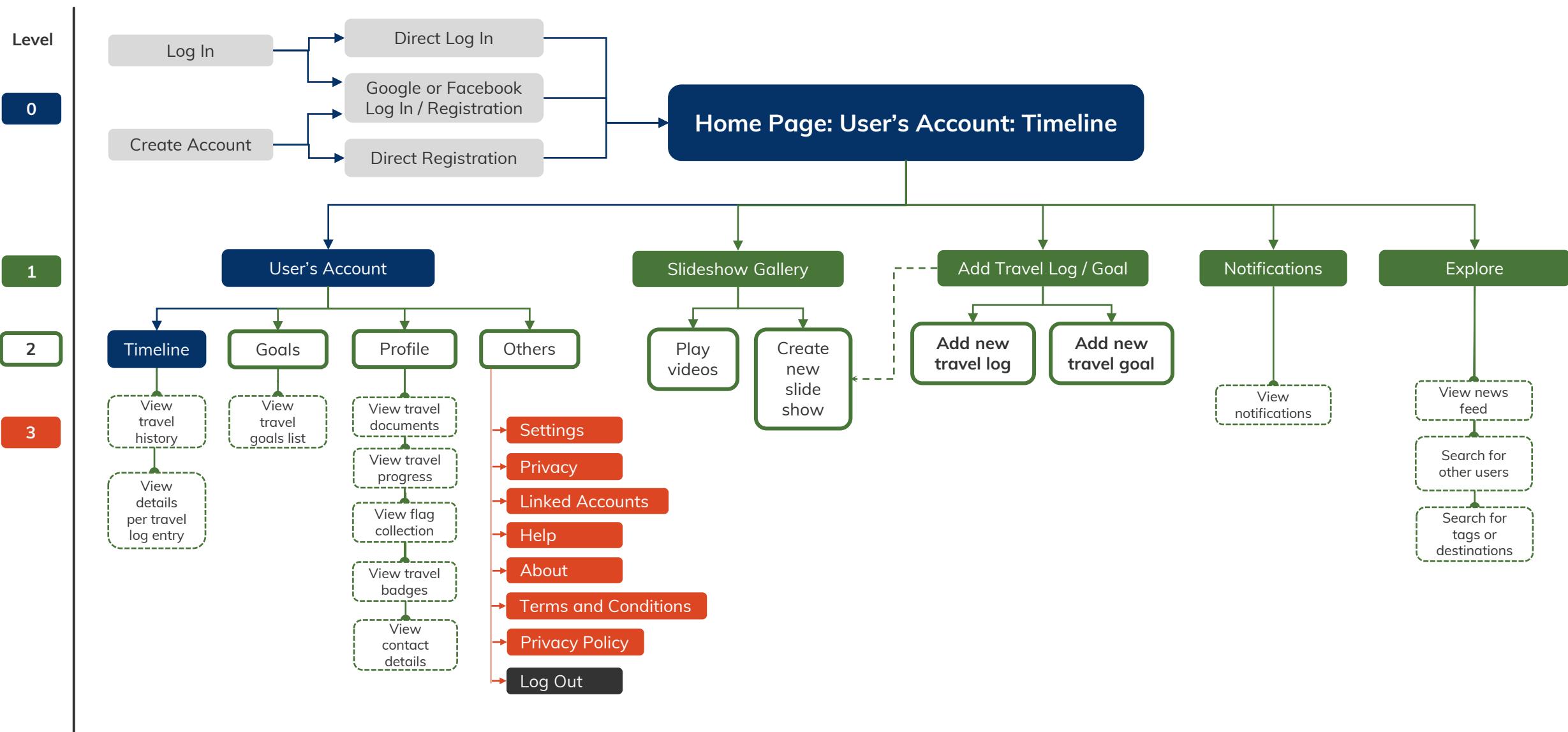
Travel Influencer & Backpacker
Peru
Finnish

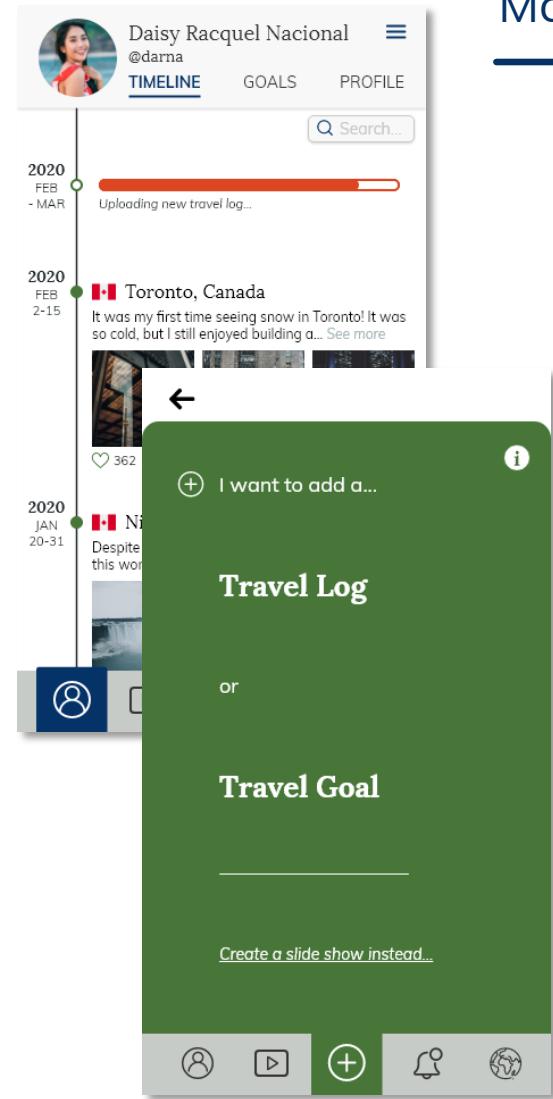
Male
18+ 35 yrs old

Personality

Open-minded
Flexible & Adaptable
Genuine

Adventurous
Strategic risk-taker



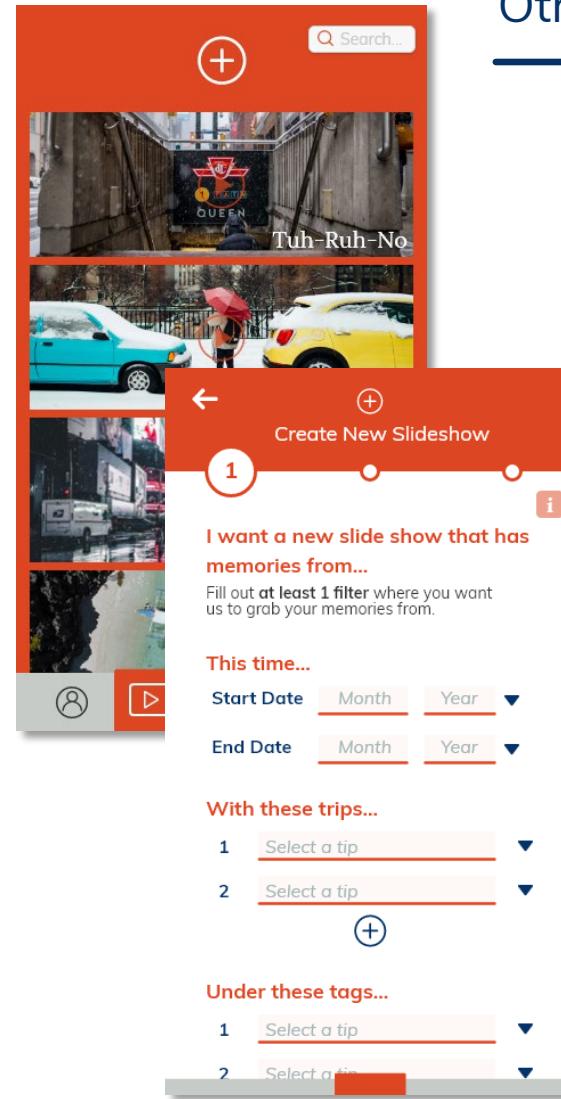


Main function

The main function of the app is **to collect and record travel details per trip** his/her direct input of a user. These details include:

1. Location*
2. Start date* & End date
3. Description of the trip
4. Photos
5. Tagged friends
6. Business/Leisure trip
7. Tags
8. Budget spent
9. Notes

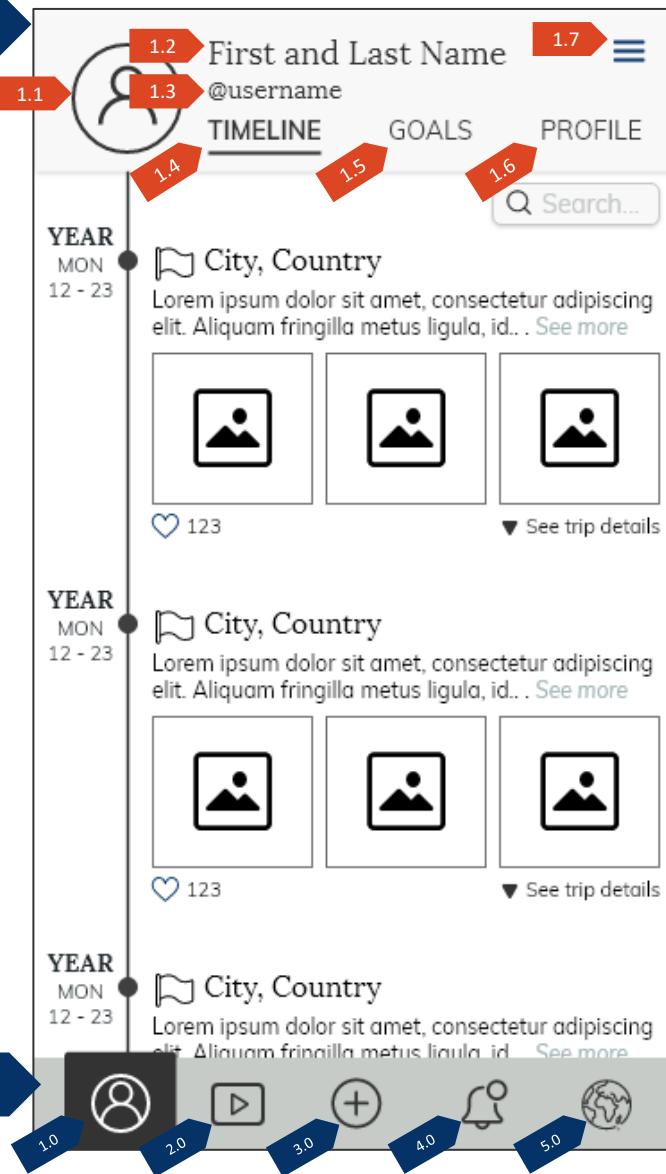
* Mandatory fields.



Other Features

- a. **Location Data & Insights.** User have the option to enter helpful insights and observations about the location of the travel log they are adding. These are insights regarding weather conditions, age-friendliness, LGBTQ+ openness, and ramp and tactile pavement availability.
- b. **Slideshow Gallery.** Here, users can view and create videos about their trips. The videos are generated by the app by using templates. The app will randomly grab photos and videos from their travel history (timeline) depending on how the user filters the duration period; the trips they list down; and the tags they include.
- c. **Explore.** Since it is a social media app, the app can also connect one user to another. Explore is a News Feed feature wherein they can view updates of other users and tags that they follow. This feature also allows them to **Search for people, tags or places** e.g. "Maldives" to learn more about it.

1.0



0.0



1.8

1.9

1.4

0.0 Navigation. See Site Map or following pages for navigation menus. The navigation tab is static in all pages except Add New Travel Log (3.1) and Creating a New Slideshow (2.1) pages. (See following pages for more details on Add New Travel Log [3.0] and Create New Slideshow [2.1])

1.0 User Account. This is the home page, displaying the Timeline (1.4).

1.1 Profile Photo. This will display the profile photo of the user. A uniform icon will be used if user chooses not to upload a photo.

1.2 First & Last Name. This will display the first name and last name the user registers with. This can be edited by going to Others (1.7) > Settings.

1.3 Username. This will display the username ID of the user. This will always begin with the '@' sign.

1.4 Timeline. This is the homepage of the user; and is 1 of 4 of the submenus under User Account (Timeline, Goals, Profile, Others). It will display all travel log entries in a timeline-list format, each travel log uses the 1.8 structure. The most recent entry goes on top and the oldest goes on the bottom of the timeline. This feed will end till the very first travel log is shown. (See following pages for more details on Travel Log Structure 1.8)

1.10

Take note! This FRD version transcribes wireframe requirements of 0.0, 1.0, 2.0, and 3.0 only.

1.5 Goals. This is a submenu under User Account. It lists down all travel logs and travel goals in a timeline-list format. This feed will end till the very first travel log is shown. (See following pages for more details on Goals 1.5)

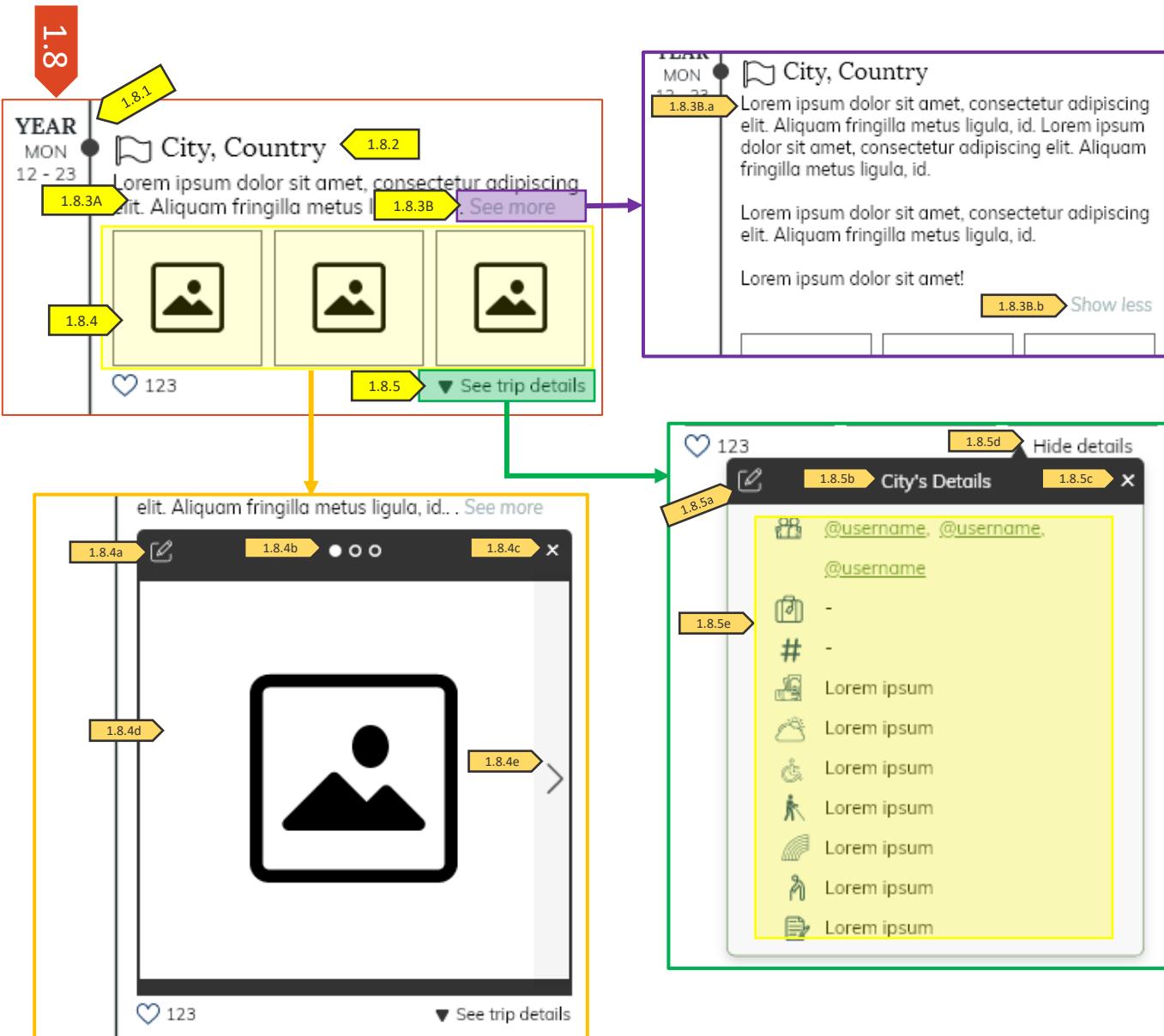
1.6 Profile. This is a submenu under User Account. It displays the user's Travel Documents, Travel Progress, Flag Collection, Badges and Contact Details. (See following pages for more details on Profile 1.6)

1.7 Others. This is a submenu under User Account. It is a drawer that opens and shows links to: Settings, Privacy, Help, About, etc. (See following pages for more details on Others 1.7)

1.8 Travel Log Entry Timeline Structure. This is how each entry looks like when the travel description, photo preview, and details are completely expanded. (See following pages for more detailed explanation of this structure)

1.9 Each Travel Log Entry. When tapped and held, it will pop out an "Edit cloud" where users can edit the details (excluding the photos) they have entered per entry or they can delete the entry.

1.10 Search bar. This will allow users to search within their timeline. They will be able to search cities, countries, tags, year, months and any matching key words on the descriptions of their travel log entries.



1.8. Travel Log Entry Timeline Structure.

This is the structure within the Timeline each travel log entry a user inputs.

1.8.1 Year, Month, Dates. This will display the year, month and the date of the travel log entry. The month will be in written in shortcut and in capital form e.g. January as JAN, February as FEB. If the travel log has dates that intersect two months (for example, March 20 to April 7), the dates will not display—instead, just the months e.g. FEB-MAR.

1.8.2 Flag, City and Country. This will display the flag of the country (in icon form), the city, and the country of the travel log entry.

1.8.3A and 1.8.3B Travel Log Description. This will display the text (description) of the travel entry log. Only two lines of the text will be shown and everything that follows will be under "See More" (1.8.3B).

1.8.3B.a Full description. When See More is tapped, the description will extend/expand and push all other contents under it further below; and will display the full text of the description.

1.8.3B.b See less. When tapped, it will collapse back to the two-line description with the "See More" link.

1.8.4 Photo grid. This will display the first three (3) photos uploaded on a travel log entry. When tapped, it will extend/expand to the full view of the photo (Photo Grid Carousel). See 1.8.4a-e items for more details on the full view of the Photo grid.

1.8.4a Photo grid: Edit button. When tapped, this will pop out an "Edit cloud" where users can edit the details they have entered. This will display when Photo Grid Carousel expanded. This will allow users to Edit the photos they have uploaded. When tapped, users can **only** either delete the photo or re-arrange the sequence of the photos.

1.8.4b Photo grid carousel-status bar. This will display the number of photos in a single travel log entry through the number of circles shown. The filled/colored circle will move together and along when the photos are swiped either left or right.

1.8.4c Photo Grid Carousel: Exit Button. When tapped, his will collapse the full view of the photo grid (Photo Grid Carousel).

1.8.4d Photo preview Carousel. This is the core of the Carousel. This will display the Photos in a larger format; and will display the images per travel log entry in carousel format. Users can swipe to move from one image to another.

1.8.4e Next button. When tapped, images will slide from one to another. Despite the swipe function, showing an arrow/next button can allow and remind users that they can flip and view one image from another.

1.8.5 See trip details. When tapped, this will expand/extend the *Trip Details* Cloud showing all the details the user inputted in a specific travel log.

1.8.5a Trip details: Edit Button. When tapped, this will pop out an "Edit cloud" where users can edit the details they have entered. The users can edit or delete the travel log's details through the Edit Button.

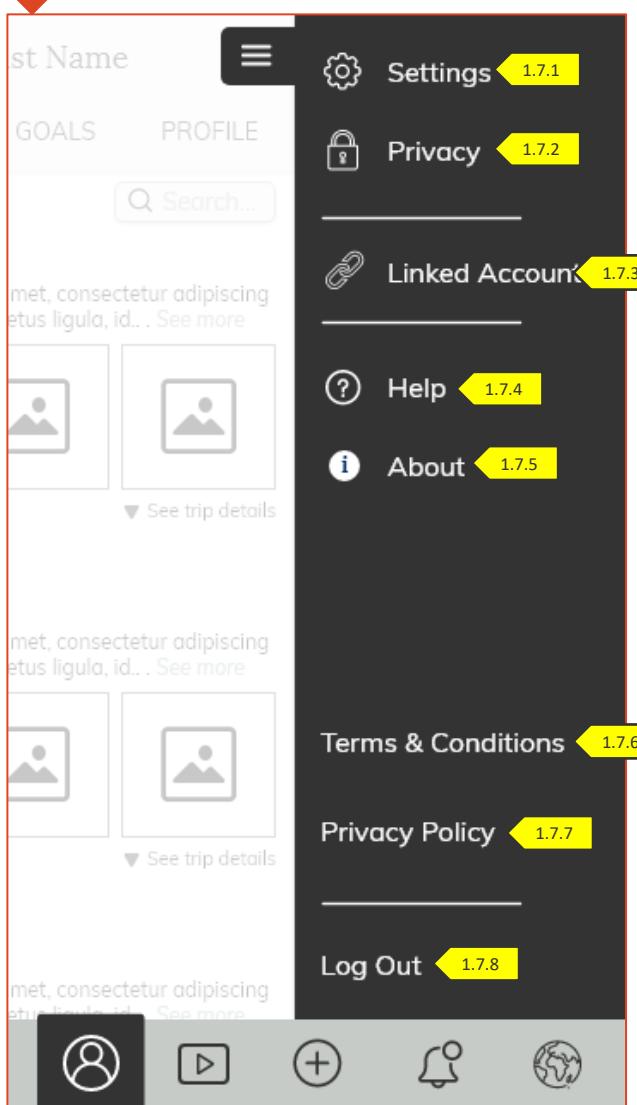
1.8.5b Details title. This is displayed in a “City” ‘s + details format. The “City” will depend on which city is entered on the travel log entry.

1.8.5c Trip details: Exit Button. This will collapse the Trip Details Cloud.

1.8.5d Hide details. This will collapse the Trip Details Cloud.

1.8.5e Trip details. These are the details a user inputs under a specific travel log. These will display only the corresponding icon and the answer for each field. Each field display will depend on what they answer while creating this travel log. Fields include tagged friends, business/leisure trip, tags, budget spent, notes, weather conditions, age-friendliness, LGBTQ+ openness, and ramp and tactile pavement availability. (See following pages for more details about these fields in Add New Travel Log [3.0])

1.7



1.7 Others. This is displayed as a hamburger menu on the upper right corner of the User Account. This submenu contains various and miscellaneous options for the user.

1.7.1 Settings. This will link users to the Settings of the app e.g. username ID change, email address change, notification settings, language settings etc.

1.7.2 Privacy. This will link the users to the privacy settings e.g. password change, visibility status of the profile (in search), ability of friends/connections or the public to tag their accounts, etc.

1.7.3 Linked Accounts. This will link users to the settings of their linked accounts e.g. Google, Facebook or IG account.

1.7.4 Help. This will link the user to the Help Centre pages of Prints, which will include the FAQs, etc.

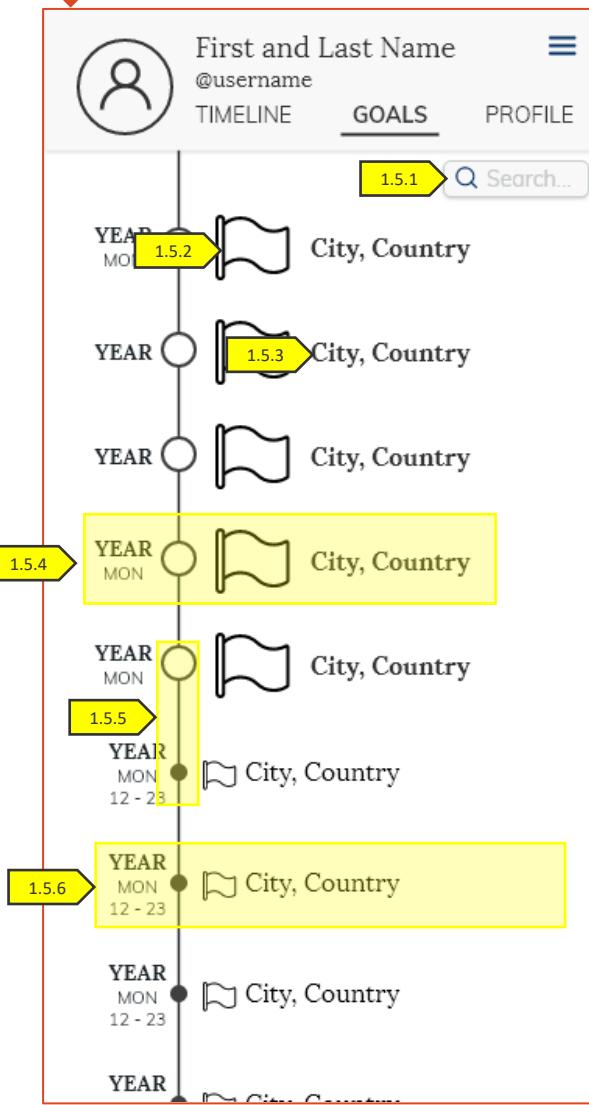
1.7.5 About. This will link the users to the About section of Prints e.g. (company background, developers, version number).

1.7.6 Terms and Conditions. This will link the users to the Terms and Conditions page of Prints indicating the policies, terms, and conditions of the use of the app.

1.7.7 Privacy Policy. This will link the users to the Privacy Policy of Prints, indicating the policies and guidelines of the user's privacy.

1.7.8 Log Out. This will sign out the user from Prints.

1.5



1.5 Goals. A “travel goal” differs from a “travel log” in terms of the time of the travel. A travel goal is an item on their wish list and is a travel entry that has not happened yet; and Goals is a list of that “wish list”. Since these travels have not happened yet, the app will not collect any other details for a Travel Goal Entry except for the date (month and year only), city and country. Similar to Timeline, Goals is still in a timeline-list format.

1.5.1 Search bar. This will allow users to search within their goals-timeline. They will be able to search cities, countries, year and months only travel log/goal entries.

1.5.2 Flag. This is an image/icon of the country of the travel goal entry.

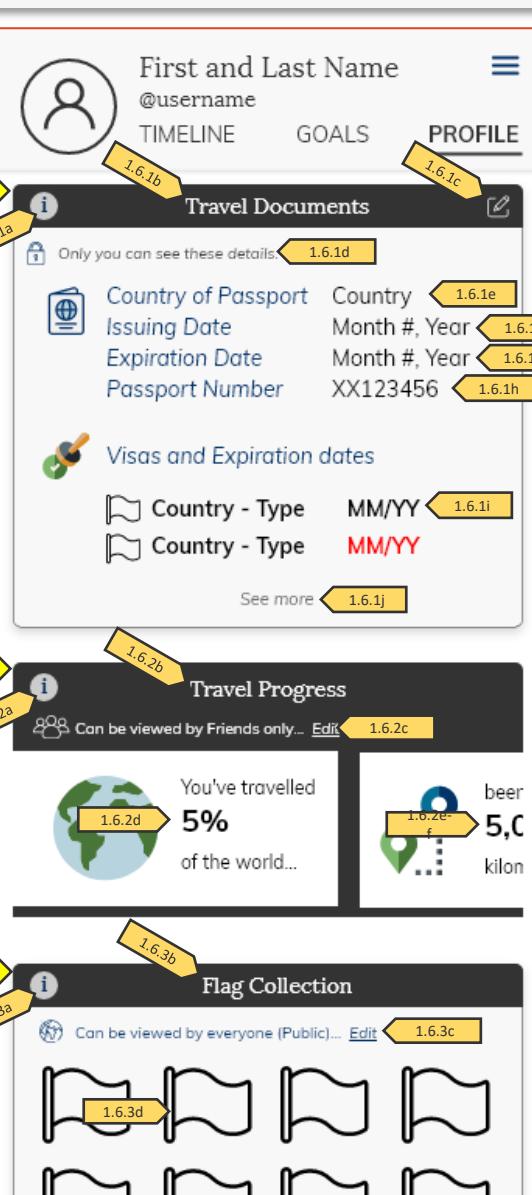
1.5.3 City and Country. This will display the city and the country of the travel goal entry.

1.5.4 Each Travel Goal Entry. When tapped and held, it will pop out an “Edit cloud” where users can edit the details they have entered or delete the entry.

1.5.5 Bullet points. A bullet for a travel goal entry is different from the bullet from a travel log entry. This emphasizes the difference of a goal from a log, and that travel logs already happened.

NOTE: The font size and the flag size of a travel goal entry is also different from a travel log entry.

1.5.6 Travel log entries in Goals. Travel log entries will still show on the Goals timeline to allow users to still see and compare which places they've been to and places they have not. The difference from the original Timeline is that there are no details displayed per entry in Goals, except for the year, month, flag, city and country only.



Continue 1.6 on the following page....

1.6

1.6 Profile. This submenu contains 5 sections showing more details and info about the users. Some sections are editable by the user, and some are system generated.

1.6.1 Travel Documents. This section contains the travel document details of a user.

1.6.1a Info button. This will show a pop out cloud explaining what the section is for.

1.6.1b Title. This is the section's title.

1.6.1c Edit button. When tapped, this will pop out an "Edit cloud" where users can edit or delete the details they have entered.

1.6.1d Privacy. This indicated that this section will **always** be private to the user only; and its privacy settings cannot be edited.

1.6.1e&h Country of passport and Passport Number. This is not a mandatory field; however, users can enter this data.

1.6.1f&g Issuing date and Expiration date. These are not mandatory fields; however, by entering this, users will be notified if their passport is about to expire twelve, six, three, and one month before the inputted expiration date.

1.6.1i Visa entry/entries. Visas can be entered by the users if desired. The app will only collect the country of the Visa, the type of visa (business, tourist, work, student, transit, exchange visitor, media, or domestic employee), and the expiration dates **only**. By entering the dates, users will be notified if their visa is about to expire twelve, six, three, and one month before the inputted expiration date of each visa.

NOTE: Expiration dates that are going to expire within the same year it is indicated should appear in **red**.

1.6.1g See more. This appear if there are more than two (2) visas entered by the user. It will hide the third, fourth and so on entries. When tapped, See more will expand and show other visas entries to the user. "See more" will become "See less" when expanded. To collapse the section, the user should be able to tap on "See less".

1.6.2 Travel Progress. This is a section that shows the app's calculations of all the travels of the user based on their Timeline entries. This section is system generated and content cannot be edited by the user.

1.6.2a Info button. This will show a pop out cloud explaining what the section is for.

1.6.2b Title. This is the section's title.

1.6.2c Privacy Settings. Users can change and customize the privacy settings of this specific section if they choose to. Privacy settings include private only to the user, seen by friends but not the public, public, and hidden from specific selected users.

1.6.2d Progress by Percentage. This item is displayed with an icon and text ("You have travelled XX% of the world..."). Only the percentage of the text will update every time. This is a calculation of all the countries the user has been to or visited, divided by all the countries in the world.

1.6.2e Progress by Distance. This item is displayed with an icon and text ("been on the road for XXXX kilometers..."). Only the number of kilometers (or miles if user is from the USA) will update every time. This is an estimated total of the travel route of the user, depending on the travel logs they entered.

1.6.2f Progress by Time. This item displayed with an icon and text ("for an estimate of XXX days."). Only the number of days will update every time. This is an estimated total number of days the person has been travelling depending on the number of days of all travel logs entered.

NOTE: 1.6.2d-f are displayed in carousel format.

1.6.3 Flag Collection. This displays the collection of flags of the countries the user has travelled to. This section is system generated and content cannot be edited by the user.

1.6.3a Info button. This will show a pop out cloud explaining what the section is for.

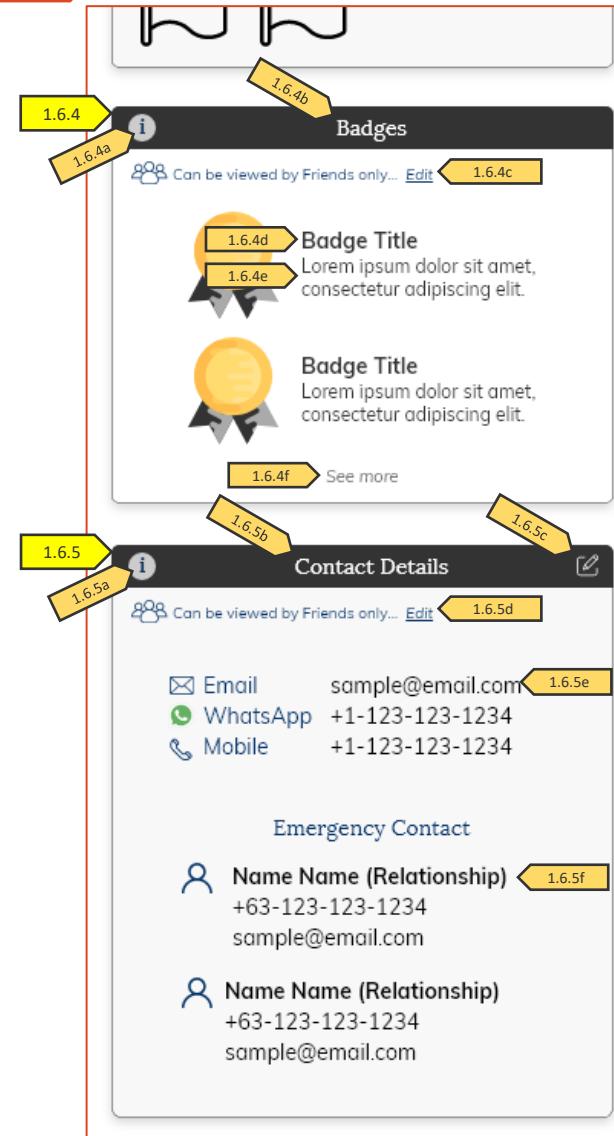
1.6.3b Title. This is the section's title.

1.6.3c Privacy Settings. See 1.6.2c.

1.6.3d Flag Icons. Four (4) Flag icons are displayed across per row. It will only show the most recent 16 flags (4 rows). If the user exceeds more than 16 flags, the section will show a 'See more' function (similar to 1.6.1g) which will expand and collapse (using 'See less') section accordingly.

1.6

... [continuation of 1.6]



1.6.4 Badges. This section shows the collection of badges a user gets, awarded by the system based on the travel logs they have entered. An example of a badge is "10 for 10: You've travelled 10 times in a span of only 10 months!". This section is system generated and content cannot be edited by the user. Each badge is displayed with an icon and text (1.6.4d-e).

1.6.4a Info button. This will show a pop out cloud explaining what the section is for.

1.6.4b Title. This is the section's title.

1.6.4c Privacy Settings. See 1.6.2c.

1.6.4d Badge title. This shows the title of the badge. The title can accommodate up to one line only (estimate of 5 words).

1.6.4e Badge description. This shows the description of the badge. This can accommodate up to three lines only (estimate of 15 words).

1.6.4f See more. Two badges will be displayed on the section. The first two badges displayed will be the most recent ones the user has gotten. If the user exceeds more than 2 badges, the section will show a 'See more' function (similar to 1.6.1g) which will expand and collapse (using 'See less') section accordingly.

1.6.5 Contact Details. This section contains the contact details of a user and their emergency contacts.

1.6.5a Info button. This will show a pop out cloud explaining what the section is for.

1.6.5b Title. This is the section's title.

1.6.5c Edit button. When tapped, this will pop out an "Edit cloud" where users can edit or delete the details they have entered.

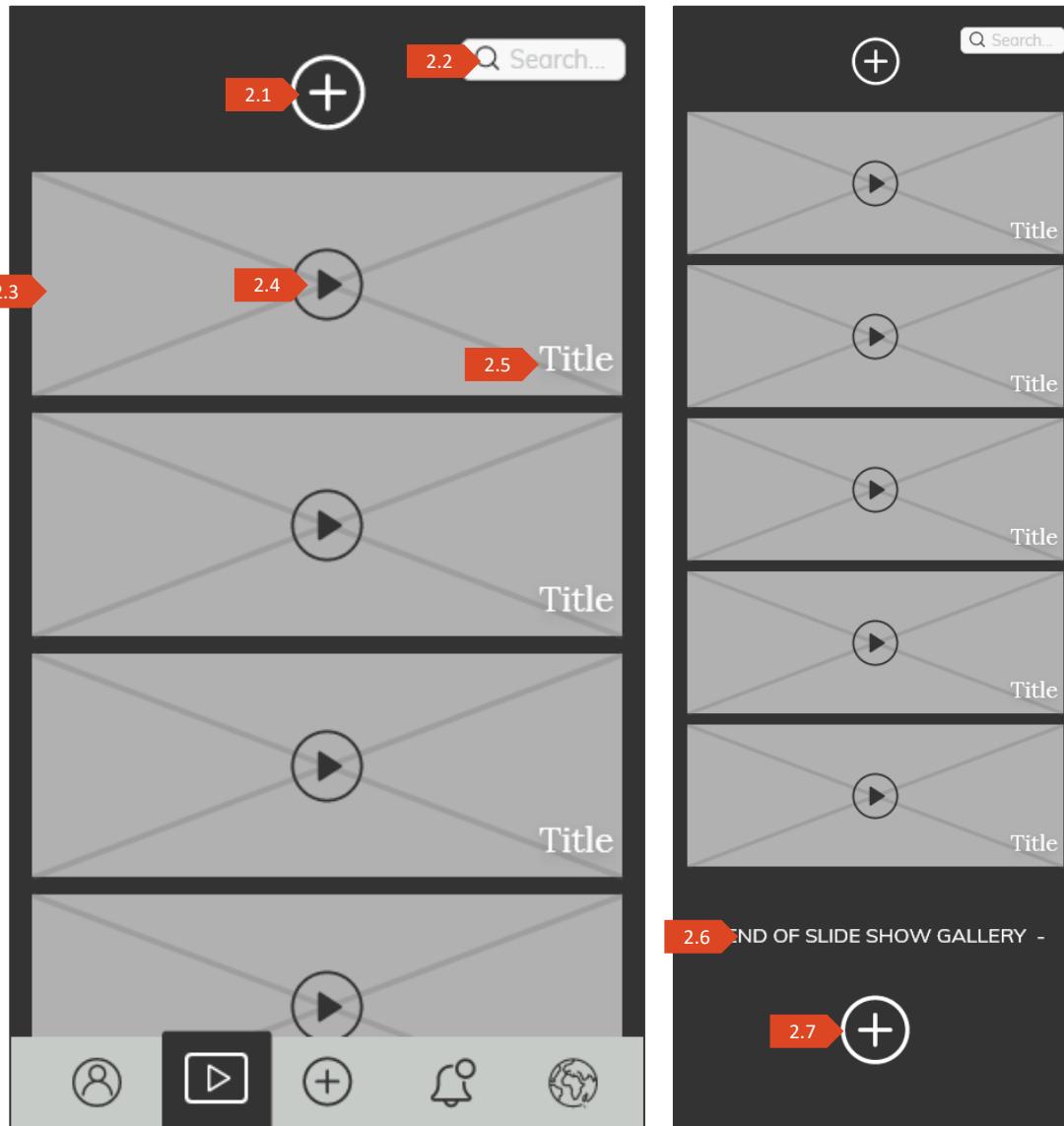
1.6.5d Privacy settings. See 1.6.2c.

1.6.5e User's contact detail entries.

Depending on the contact details that they opt in to enter, each contact detail entry will display as an icon, the field title (email, mobile, WhatsApp, Facebook, etc.) and the unique detail.

1.6.5f Emergency contact entries. Each emergency contact entry will appear with an icon and details will be in this sequence: the name on the first line together with the relationship of the user to said contact inside a parenthesis, a mobile number on the second line, and an email address on the third line.

2.0



2.0 Slideshow Gallery. When a user arrives in this menu, s/he has the option view and play slideshows that s/he has already created or create a new slideshow. Slideshows are a compilation of photos and videos grabbed from from a specific duration, specific trips, or specific tags.

2.1 & 2.7 Create new slideshow buttons. These buttons will redirect user to create a new slideshow. (See following pages for more details on 2.1 Create new Slideshow)

2.2 Search bar. This is a search bar which will allow users to search for slideshows by using keywords within video titles or dates they were published.

2.3 Video thumbnails. Videos are displayed in a horizontal grid format. The most recent goes on top, and the oldest at the bottom. (See following pages for more details on 2.9-11 Play Video View)

2.4 Play button icon. The play button is found on top of every video thumbnail. To play a video within the grid, the user must tap on the play button.

2.5 Video title. The video title of a specific video can be found on the bottom right corner of each video thumbnail.

2.6 End of Slideshow gallery. This is text found at the very bottom, under the very first slideshow created. indicating that the user has reached the end of the gallery.

2.1 (Page 1)

2.1.1 Back button. This will exit the form and redirect the user to 2.0.

2.1.2 Page status. This will indicate the page status for the user to see which page of the form she is currently on.

2.1.3 Filter: Start and End Dates. This is one of the three filters. It is a text and calendar dropdown field. If a user types in or chooses a Start Date, s/he is mandated to also include an end date. These dates indicate the start and end date for a specific duration where the system should grab photos and videos from for the slideshow.

2.1.4 Filter: Trips. This is one of the three filters. It is a dropdown field. The dropdown choices are the travel logs they have entered, presented in this format: **City, Country (Month, Year)**. (See 3.1.3 for more details on a travel log dates) For each row/field, a user can only input a specific travel once (meaning travels cannot repeat fields once already entered). They can filter up to a maximum of only 5 trips. Only two field rows (1 and 2) will be shown as default.

2.1.5 Add more trips. This button allows users to add an additional dropdown field for the Trips Filter. They can filter up to a maximum of only 5 trips.

2.1.6 Filter: Tags. This is one of the three filters. It is a dropdown field. The dropdown choices are the tags they have entered while creating a travel log. See 3.1.13 for more details on tags.

2.1.7 Add more tags. This button allows users to add an additional dropdown field for the Tags Filter. They can filter up to a maximum of only 5 tags. A tag cannot repeat itself if already entered.

NOTE: Not all three fields are mandatory; however, at least one of the three filters must be answered in order for the system to grab media from a specific group (depending on the filter).

2.1.8 Next button. This button will only show up once at least 1 filter has been filled out (dates, trips, tags). This will redirect users to 2.1 Page 2.

2.1.9 Info button. This will show a pop out cloud explaining what this page is for.

2.1.10 Page status. The number has moved from left to middle and has changed "1" to "2". The left circle is filled out—indicating they are done with this Page/Part (Part 1).

2.1.11 Background music. This is a dropdown field. The user can select only one media for each Create new slideshow entry. If they choose to skip this field, the system will use a default media as the background music. [List of \[music\] media choices to follow.](#)

2.1.12 Theme. This is a dropdown field. The user can select a theme for the slideshow. A "theme" is basically a compilation of photo and video transition effects (a template) that will be applied to the bucket of photos and media gathered from the filters on 2.1 Page 1. If they choose to skip this field, the system will use a default theme as the background music. [List of theme choices to follow.](#)

2.1.13 Title field. This is a text field with a maximum of 70 characters, including spaces. This will be the title of the video content being created.

2.1.14 & 15 Info buttons. These buttons will open a popup cloud containing text that explains what the background music or the theme is for.

2.1.16 Skip / Next button. This will redirect the user to 2.1 Page 3. If a user does not answer any of the fields from 2.1.10-16, this button will appear as "Skip"; however, if a user answers even just one of the fields, it will appear as "Next".

2.1 (Page 2)

2.1.10 Page status. The number has moved from left to middle and has changed "1" to "2". The left circle is filled out—indicating they are done with this Page/Part (Part 1).

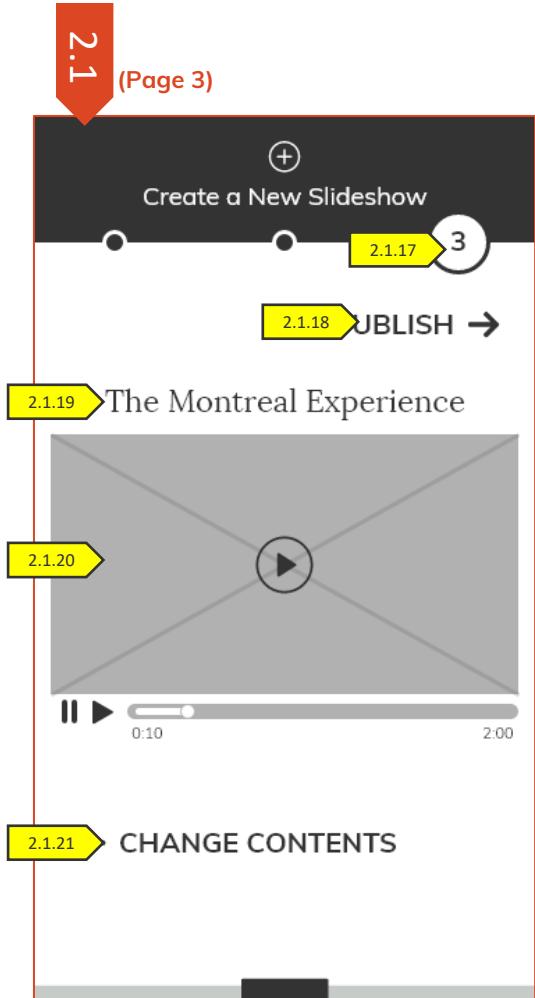
2.1.11 Background music. This is a dropdown field. The user can select only one media for each Create new slideshow entry. If they choose to skip this field, the system will use a default media as the background music. [List of \[music\] media choices to follow.](#)

2.1.12 Theme. This is a dropdown field. The user can select a theme for the slideshow. A "theme" is basically a compilation of photo and video transition effects (a template) that will be applied to the bucket of photos and media gathered from the filters on 2.1 Page 1. If they choose to skip this field, the system will use a default theme as the background music. [List of theme choices to follow.](#)

2.1.13 Title field. This is a text field with a maximum of 70 characters, including spaces. This will be the title of the video content being created.

2.1.14 & 15 Info buttons. These buttons will open a popup cloud containing text that explains what the background music or the theme is for.

2.1.16 Skip / Next button. This will redirect the user to 2.1 Page 3. If a user does not answer any of the fields from 2.1.10-16, this button will appear as "Skip"; however, if a user answers even just one of the fields, it will appear as "Next".



2.1 (PART 3 OF 3). Create new slideshow

Page 3. This is the last page of the form. This page is a review page. It will allow users to watch the system-generated video slideshow. Each slideshow is limited to only 4 minutes. When generating a slideshows, each photo cannot exceed more than 3 seconds and cannot be less than 0.5 second; each video cannot exceed more than 15 seconds and cannot be less than 3 seconds. When grabbing photos from the filters, the system will choose media at random.

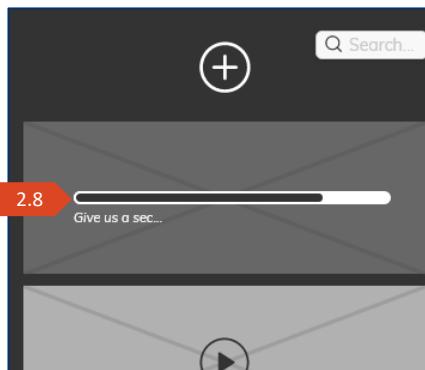
2.1.17 Page status. The number has moved from middle to right and has changed "2" to "3". The two first circles are filled out—indicating they are done with previous pages.

2.1.18 Publish button. This will upload and publish the generated video content. Content will appear on the top of the gallery when finished uploading. (See 2.8 for uploading new slideshow format)

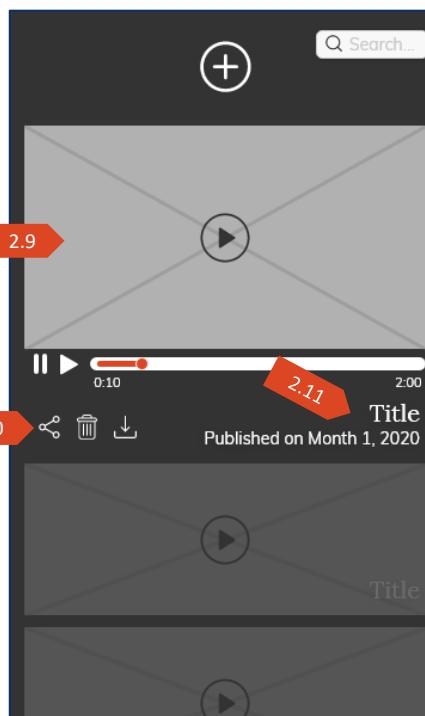
2.1.19 Title preview. This will preview the title entered in Page 2 (2.1.3).

2.1.20 Play video preview. This will show the video generated by the system. When paused, it is shown with a play button in the middle of the thumbnail to indicate that the user needs to play and review it.

2.1.21 (Edit) Change contents button. This is a button redirecting the user to Page 1 of 2.1. The user will be able to edit the filters to allow the system to re-grab media from different groups.



2.8 Uploading new slideshow. When system is uploading a new slideshow entry, the gallery will show a loading bar to indicate that the slideshow is on its way to being published.



2.9 Play video view. When a video thumbnail is tapped, it will lead to the playing of the video. The play timeline, play button, pause button, title, publish date, and share/delete/download icons will also then be visible. All other content within the gallery will fade/lose opacity by 70-80%.

2.10 Share, Delete and Download icons.

These icons will allow the user to delete the video, share the video via link in emails, social media or direct messages, or download the video in mp4 format.

NOTE: Only users with the premium account that download the videos.

2.11 Video title and publish date. This will indicate the title of the video and the date it was published.

3.0

3.0 (Page 1)

3.1 (Page 1)

3.1.1 3.1.2 3.1.3 3.1.4 3.1.5 3.1.6 3.1.7 3.1.8 3.1.9

3.1 Add new Travel Log

3.1.1 Location* Search or type...

3.1.2 Start Date Month* Day Year* ▾

3.1.3 End Date Month* Day Year* ▾

3.1.4 Describe your trip Type...

3.1.5 Your best photos in this trip...

Upload photo or video 0 / 5

* Mandatory field(s)

3.1.6

3.0 Add New Travel Log/Goal. When a user arrives to this menu, s/he has the option to add a Travel Log, Travel goal, or be redirected to create a Slideshow instead. (See 2.0 for more details on Slideshows and the Slideshow Gallery)

3.1 Travel Log option. This will redirect the user to the Add New Travel Log pages (3.1.1-33) pages of the app. These pages are basically forms/questions that will collect data from the users about an ongoing or past travel.

3.2 Travel Goal option. This will redirect the user to the Add New Travel Goal pages of the app. These pages are basically forms/questions that will collect data from users about a travel goal (year, month, city and country only).

3.3 Create a slideshow link. This will redirect the users to the Slideshow Gallery (2.0) section of the app.

3.4 Info button. This will show a pop out cloud explaining what this page is for.

3.1 (PART 1 OF 3). Add New Travel Log Page 1. This is basically a three-page form collecting data from users about an ongoing or past travel.

3.1.1 Page status. This will indicate the page status for the user to see which page of the form she is currently on.

3.1.2 Location. This field is a Search bar, dropdown field. Users can type in a city and select from a dropdown list that matches the characters they have typed in. If users have opted in to share their geolocation, this field can automatically show the location of the user on top of the list. This field is mandatory

3.1.3 Start date and End Date. Only the Month and the Year of both Dates are mandatory fields. Users can either type in the answer or choose a dates from a dropdown calendar.

3.1.4 Describe your trip. This is not a mandatory field. Users can type up to 2,500 characters on this field, including word and paragraph spaces.

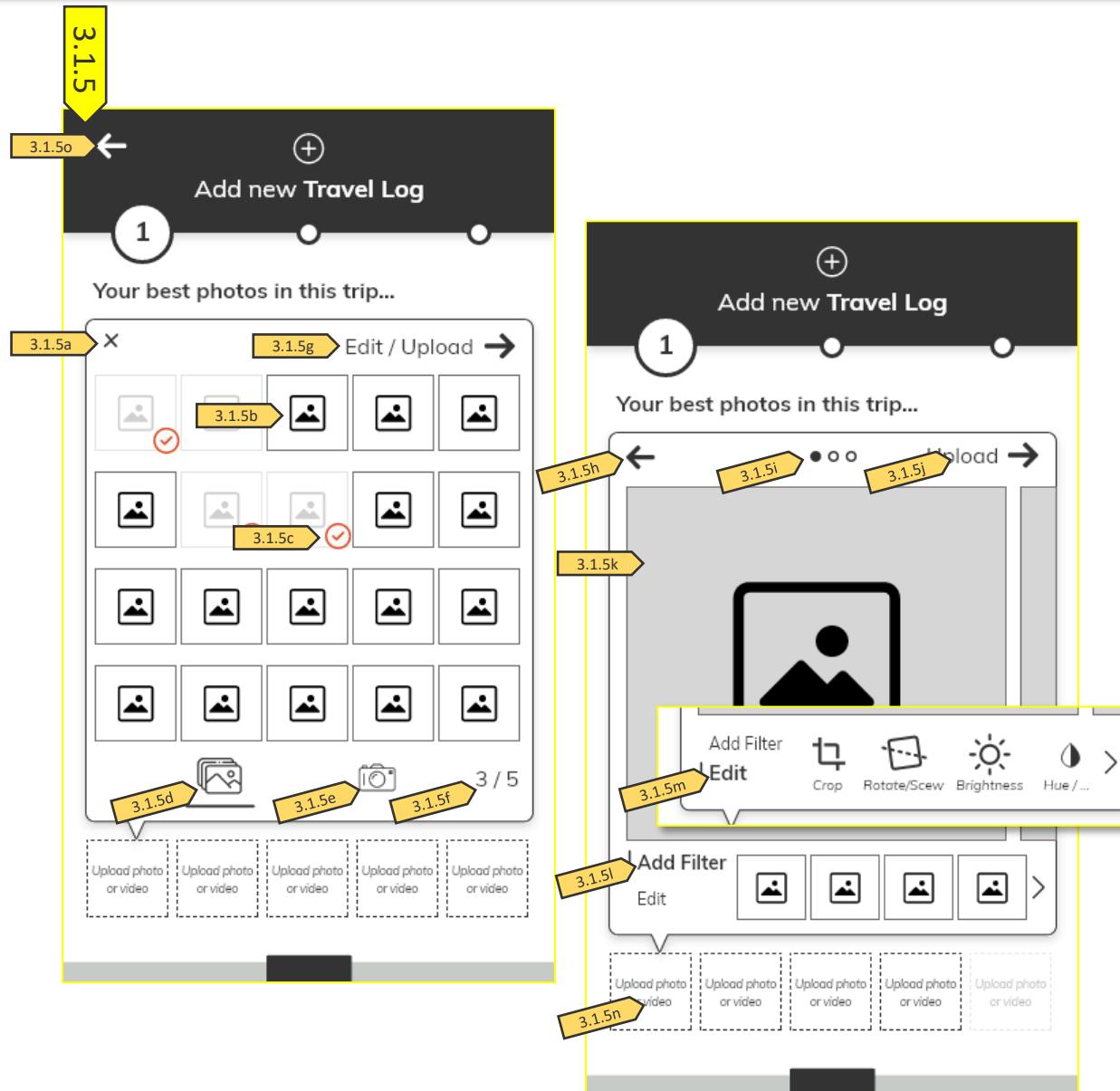
3.1.5 Uploading photos. This is not a mandatory field. Users can upload up to a maximum of 5 photos per travel log entry. When tapped, the Upload Cloud will pop out and users can choose which photos they want. (See following pages for more details on 3.1.5 Uploading Photos)

3.1.6 Photos uploaded status. This will indicate the number of photo uploaded for the travel log entry once the user has chosen 1-5 photos.

3.1.7 Info button. This will show a pop out cloud explaining what this page is for.

3.1.8 Next button. This button will only show up once the mandatory fields have been filled out (location, months and years). Users can skip all other non-mandatory fields. This will redirect users to 3.1 Page 2A.

3.1.9 Back button. When tapped, users will be redirected back to 3.0.



3.1.5 Uploading photos: Upload Cloud. Users can upload up to a maximum of 5 photos/videos (5 in total) per travel log entry. When tapped, the Upload Cloud will pop out and users can choose which photos or videos they want. There are two parts to the Cloud: (1) Selecting photos [3.1.5a-g] and (2) Editing Section [3.1.5.h-o].

3.1.5a Exit Button. This will exit the cloud and redirect the user to Part 1 (3.1).

3.1.5b Gallery grid. This will preview the photos of the user's phone gallery if granted the permission to access it. If not granted, the user must use the camera instead to upload a photo (if granted permission to access the camera). If both permissions are not granted, users cannot upload any photo. The grid will show 5 photos per row and column and is scrollable from top to bottom within the space of the 5x5 grid.

3.1.5c Selected media. When a photo is selected, it will automatically be counted on the Selected photos Status (3.1.5f), it will fade/lose opacity by 70%, and a check mark icon will appear on the bottom right portion of the thumbnail of the photo. Only 1-minute long videos can be uploaded; if the video selected is long, the system will trim the video to the first 60 seconds of the video.

3.1.5d Gallery Icon. When the Cloud is opened, the Gallery view is set by default. This icon will be marked differently from the Camera icon if the user are on the Gallery view.

3.1.5e Camera Icon. When tapped, users can take a photo or video directly instead of choosing from the gallery.

3.1.5f No. of Selected Photo/Video Status. This will show the number of selected photos the user has already selected within the gallery or the number of photos collected from using the camera.

3.1.5g Edit / Upload button & arrow. This will lead to the second portion of the Upload Cloud, which is the Editing Section.

3.1.5h Back arrow. This will redirect the users back to selecting photos.

3.1.5i No. status of selected media. This will display the number of photos/videos they are currently editing within the carousel edit.

3.1.5j Upload button & arrow. This opt the app to upload the photos they have selected and edited and embed it on the travel log entry being made.

3.1.5k Selected media Carousel. This is in carousel format. The carousel will show the photos selected from the previous page. The photo displayed will be the photo being edited.

3.1.5l Add Filter. This will allow the user to add a filter on the photo/video being edited (photo displayed within the carousel).

3.1.5m Edit. This will allow the user to crop (for photos only), adjust, and toggle with the brightness, hue and saturation of the photo being edited (photo displayed within the carousel).

3.1.5n Selected media Preview. These boxes will show how many photos/videos were selected to be uploaded. If 1 is selected, the other 4 slots will fade and lose opacity; if 2, the other 3 will fade and lose opacity; and so on.

3.1.5o Main back button. This will exit the cloud and redirect the user to Part 1 (3.1). This will disappear on the second portion of the Upload Cloud (Editing Section) to prevent users from returning to 3.1 without uploading the photos they selected.

3.1 (Page 2A)

3.1.10 Back button. This will redirect the user to Page/Part 1 of 3.1.

3.1.11 Page status. The number has moved from left to middle and has changed "1" to "2". The left circle is filled out—indicating they are done with this Page/Part (Part 1).

3.1.12 City & Country. This will display the city and the country they indicated in Part 1 to help users recall which travel log they are inputting.

3.1.13 Who were you with. This field will allow users to tag other users/friends they were with during the trip.

3.1.14 L/B Toggle. This will allow users to toggle whether the travel is a trip for business or leisure.

3.1.15 L/B default status and setting. This indicates where the toggle is set by default; so if they do not move or touch the toggle, it will be set to the default setting. They can change the default by tapping on "Edit"—wherein a pop out will let them change the default setting.

3.1.16 Tags. This is a dropdown and a text field. Users can put one-word/unspaced tags separated by commas, or they can choose from "common tags" which will show on the dropdown. Common tags are a list of recommended tags e.g. #People, #Restaurants, #Nightlife, etc.

3.1.17 Spend: Currency. When tapped, this will automatically display the corresponding currency depending on the passport the user has entered in 1.6.1 Travel Documents.

3.1.18 Spend: Number (Minimum and Maximum). This is a numbers-only text field. The user can enter an estimated number using only one field or a number range using both fields.

3.1.19 Privacy toggle. This will toggle if "Spend" can be seen by the user's friends or by the user only. This field cannot be shown to other users not connected (not friends) with the user—cannot be shown in public.

3.1.20 Notes. This will collect any other notes the user may want to include. This is a text field with a maximum of only 700 characters, including spaces and paragraph spaces.

3.1.21 Privacy toggle. Same specs as 3.1.19.

3.1.22 Skip / Next button. This will redirect the user to Part2B (3.1.23-26)—a pop up form. If a user **does not** answer any of the fields from 3.1.13 to 3.1.20, this button will appear as "Skip"; however, if a user answers even just one of the fields, it will appear as "Next".

3.1

(Page 2B)

3.1.23 ←

Add new Travel Log

2

City, Country

3.1.24 Want to help your fellow travelers?
Your answers will help a lot of people get better informed and prepared!

Tell us, how was your stay in

3.1.25 City, Country

3.1.26 Sure

3.1.27 Next time

3.1.26

3.1.26 ←

Add new Travel Log

2

City, Country

3.1.27g SKIP →

3.1.27a i

Each answer is appreciated!

How was the weather?
3.1.27b Select one or multiple...

Is it a place for all ages?
3.1.27c Select only one...

Was it LGBTQ+ friendly?
3.1.27d Select only one...

Do they have ramps?
3.1.27e Select only one...

Do they have tactile pavement?
3.1.27f Select only one...

3.1 (PART 2B OF 3). Add New Travel Log

Page 2B. This is part of Page 2; however, it is a skippable, 5-question pop up form. The questions and fields in Part 2B are in a popup form because we want to capture the attention of users to answer these questions and collect their insights. These questions will collect insightful data for other users to be more informed. Part2B includes 3.1.23-26.

3.1.23 Back button. This will redirect the user back to Page/Part 2A and will exit the popup form.

3.1.24 Question / Pop up question. This is text inviting users to answer the popup form.

3.1.25 City and Country. This will display the city and the country they indicated in Part 1 to help users recall which travel log they are inputting.

3.1.26 Agree (Sure) to answer. This will redirect the user to the 5-questions of the form.

3.1.26a Info button. This will show a pop out cloud explaining what the section is for.

3.1.26b Weather. This field is a dropdown field. Users can choose one or more corresponding answers within the dropdown. Choices are sunny, hot, fair, foggy, a bit snowy, snowy, a bit windy, very windy, cloudy, rainy/rain, storm, lightning, other, and didn't notice.

3.1.26c Age-friendliness. This field is a dropdown field. Users can choose only one corresponding answer within the dropdown. Choices are generally for all ages/family friendly, parental guidance suggested, parents strongly cautioned (PG13), adults only (+17), not very senior friendly, not kid friendly nor senior friendly, and no answer/didn't notice.

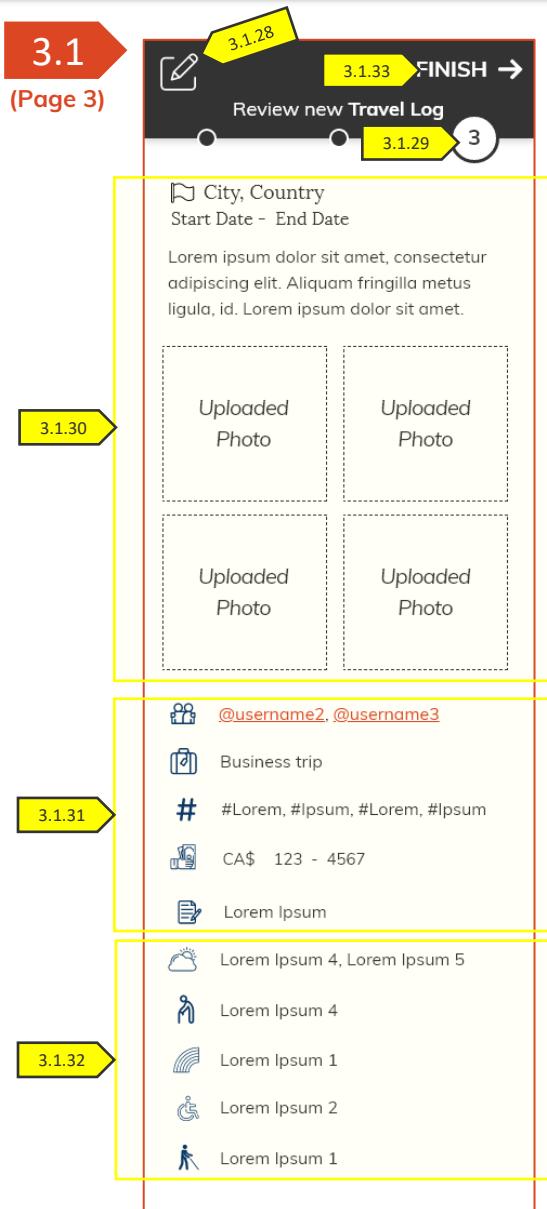
3.1.26d LGBTQ+ openness. This field is a dropdown field. Users can choose only one corresponding answer within the dropdown. Choices are highly liberal/open, moderately liberal/open, moderately conservative, highly conservative, and no answer/didn't notice.

3.1.26e Ramps. This field is a dropdown field. Users can choose only one corresponding answer within the dropdown. Choices are yes in most places, yes in some places, noticed only a few, no there were almost none and no answer/didn't notice.

3.1.26f Tactile Pavements. This field is a dropdown field. Users can choose only one corresponding answer within the dropdown. Choices are yes in most places, yes in some places, noticed only a few, no there were almost none and no answer/didn't notice.

3.1.26g Skip / Next button. This will redirect the user 3.1 Part3 (3.1.28-33)– the Review Page of 3.1. If a user does not answer any of the fields from 3.1.27a-f, this button will appear as "Skip"; however, if a user answers even just one of the fields, it will appear as "Next".

3.1.27 Decline (Next time) to answer. This will redirect the user 3.1 Part3 (3.1.28-33)– the Review Page of 3.1. If a user does not answer any of the fields from 3.1.13 to 3.1.20, this button will appear as "Skip"; however, if a user answers even just one of the fields, it will appear as "Next".



3.1 (PART 3 OF 3). Add New Travel Log Page 3. This is Page 3 of 3.1. This is a Review page. This last page collects all the answers from the fields under 3.1 and displays them to allow users to review all the details before finishing and uploading on the timeline.

3.1.28 Edit button. When tapped, this will redirect back to 3.1 Part 1 and users can edit the details they have entered.

3.1.29 Page status. The number has moved from middle to right and has changed “2” to “3”. The two first circles are filled out—indicating they are done with previous pages.

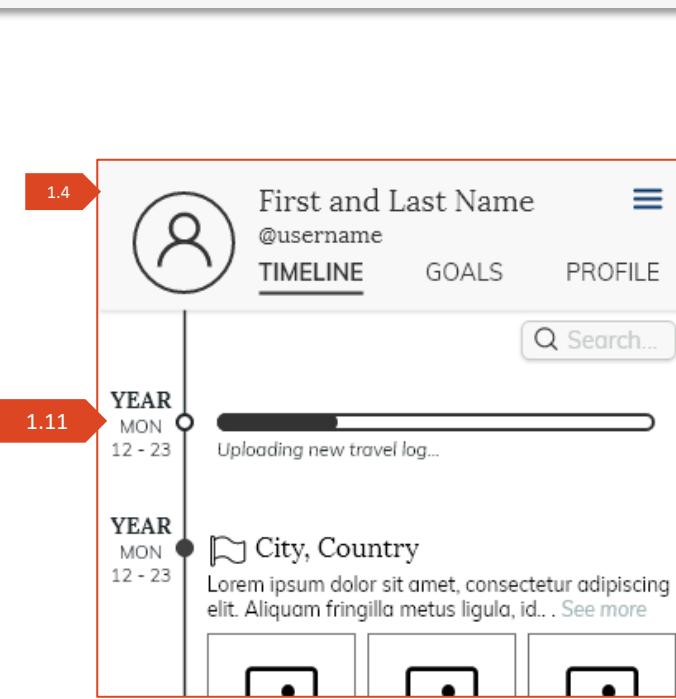
3.1.30 Part 1 answers. This will display all the answers from Part 1 (location, dates, description, and photos). If 5 photos were uploaded, it will occupy 1 row. If 4 photos were uploaded, it will occupy 2 rows (2x2). If 3 photos were uploaded, it will occupy 1 row. If 1 photo is uploaded, it will occupy the width of the grid in one row.

3.1.31 Part 2a answers. This will display all the answers from Part 2a. Each field is accompanied on the left with its corresponding icon. The users tagged and tags inputted in fields 3.1.13 and 3.1.16 will show as a link. All else will be shown as text.

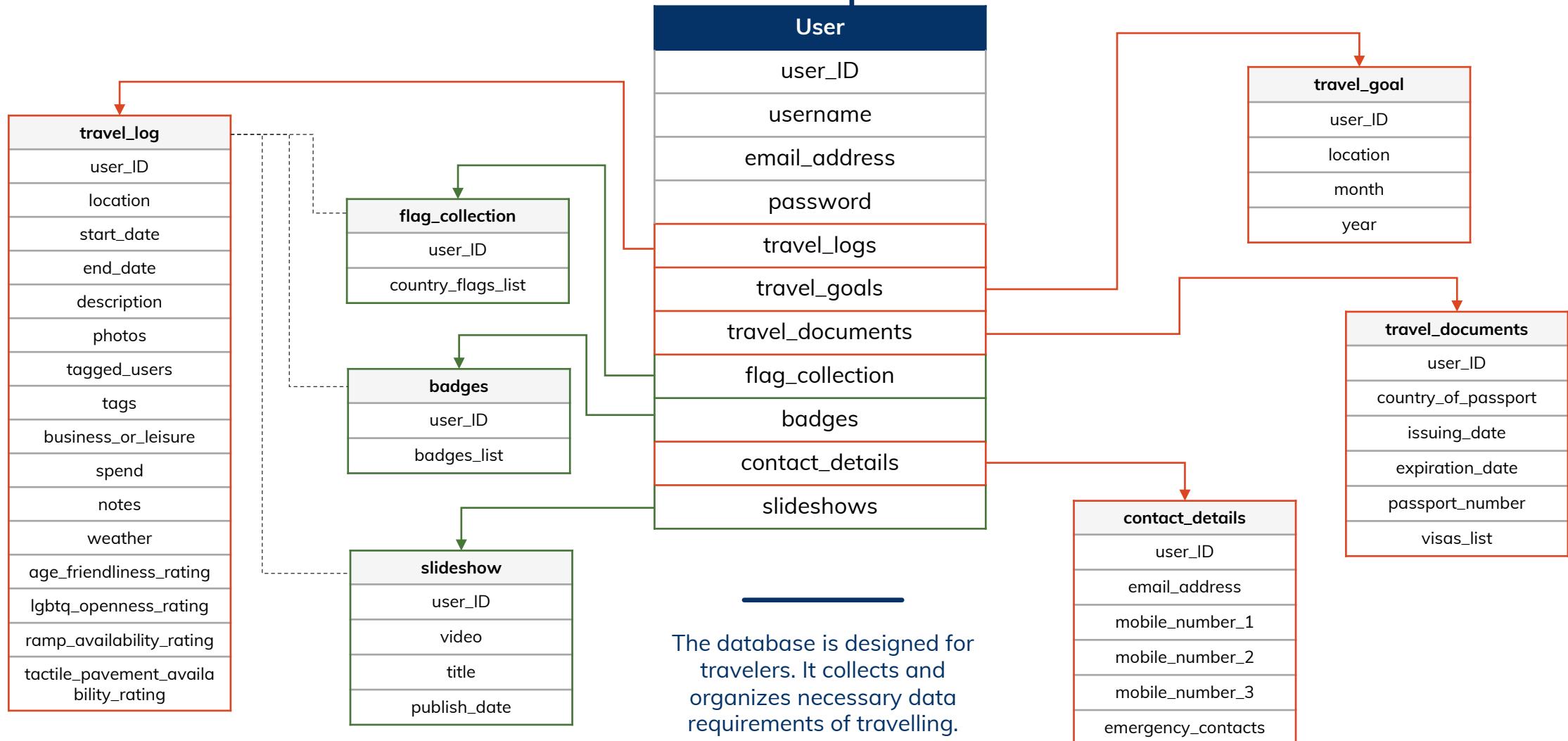
3.1.32 Part 2b answers. This will display all the answers from Part 2b. Each field is accompanied on the left with its corresponding icon.

NOTE: If there is a field unanswered, display **still include** the field; however put the corresponding text as “-” (one dash)

3.1.33 Finish. When tapped, system will upload all data collected for travel log entry and will display data on the Timeline. (See more details on 1.11 Uploading new travel entry)



1.11 Uploading new entry. When system is uploading a new entry, the Timeline will show a loading bar on the timeline. The bar will display where the entry fits. For example, if the user is inputting a past travel, under an already existing entry that happened more recent, the loading bar will appear at the bottom of said recent entry.



Type of Platform, Project and Company

Mobile Only

Type of Platform

The platform is designed as a **native app for Android phones** because:

- It needs access to device features like the camera, photo gallery & GPS
- It benefits from real-time interactions like profile updates and push notifications
- 7 out of the top 10 countries that travel the most (Finland, USA, Sweden, Denmark, Norway, Hongkong, New Zealand, Canada, Australia, and France) use Android over other operating systems

Complex project that processes heavy loads

Type of Project

A. Size

It aims to be a social network with multiple features on top of its main function. Each user profile can interact with another and interact within the platform in real-time.

B. Speed

It will need to process heavy loads because of its ability to allow users to update in real-time and access on-the-go functions while travelling.

Proven market: User needs driven

Type of Company

Goal:

Make a platform that will streamline recording and documenting a user's travels.

Risk:

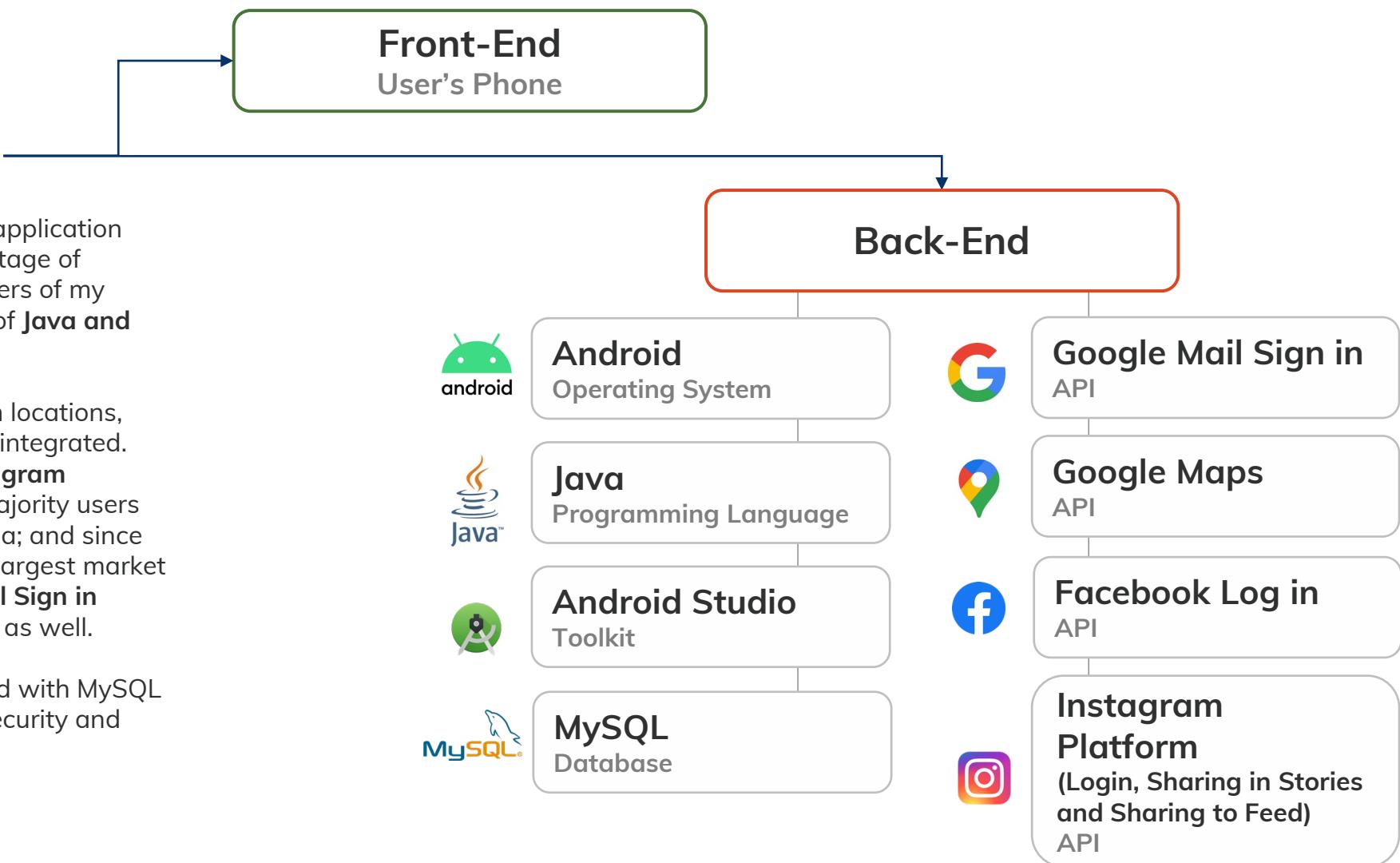
The main concern is data capacity and scalability because of the load it will need to collect from users; thus, volume and throughput are largely put to risk in maintaining the performance.

Which code?

It is an Android, mobile first application because of the larger percentage of Android-users versus iOS users of my target market; thus, the use of **Java and Android Studio**.

Also, since it relies heavily on locations, **Google Maps API** should be integrated. APIs for **Facebook and Instagram** integration are ideal since majority users (travelers) are on social media; and since Google Mail still obtains the largest market share for emails, **Google Mail Sign in** integration should be placed as well.

The database will be handled with MySQL because of its strong data security and reliability.



Risk Zones & Ethical Considerations

Since my platform heavily relies on user input, my top risk and ethical risk considerations include **data control and monetization** (Risk Zone 6), **user understanding and disinformation** (Risk Zone 1 and 7) and **hateful criminal actors** (Risk Zone 8).

Basic data collection of e-mail addresses and passwords are mandatory to protect one profile from another. However, the product is also designed to collect sensitive information like passport details or visa credentials. Having these on the system helps a user track important details, like expiration or application dates, but to manage this risk I chose to have these fields optional and generic, meaning the actual passport identification number(s) will not be required and rather only the country and date(s), so users have more control over the data they input into the system. These details are confidential and are set automatically to be private. The worst possible risk for collecting this type of data is if the system gets hacked or if private information leaks. Hence, **security is a priority**.

On another note, profile data that they can choose to either share or keep private are their actual travel logs and destinations. The **details collected in these fields will vary**; however, users may not be aware that whether or not they choose to make these public or private, the **data collected from them will be computed into the overall average**. For example, when a user has his travels private, their rating on the "weather conditions" and "LGBTQ+ -openness" fields will still be computed into the average for cases where other users want to know these basic ratings of a

certain location or country. Users may not be aware of this function and may be surprised to know that their rating will still matter on the overall average scale despite having a private account. **These data can be monetized to better understand the details of a certain location, better understand statistics in travelling**, and better inform other users of what they need to do or prepare for when going to said locations.

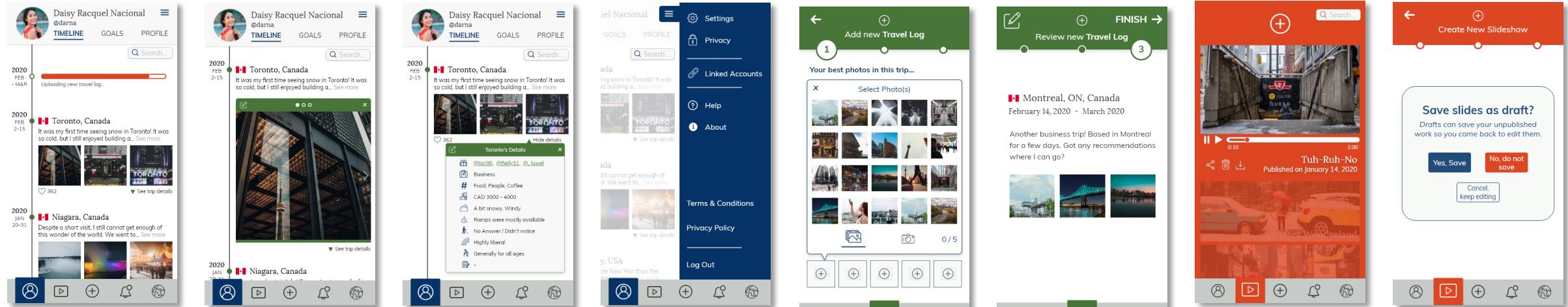
Because of this data monetization, **economic inequalities** can also play a minor risk. There are countries that have a significantly higher number of travelers compared to other countries because of the economic differences and financial capacity of its citizens. Though this does not necessarily make non-users suffer, in a worst case scenario, data collected from some users can set a prefaced reputation about the economy of certain countries that do not and cannot compete with the most number of travelers in the world.

Budget range, weather conditions, age-friendliness, LGBTQ+ -openness and disability ramps and tactile pavement accessibility fields were added into the add new travel log form because of the support it can give to other travelers—users trust users. If majority of users say that a certain location is sunny during May or June, others can believe so. This data is user generated; however, it does not imply that it is always true and completely trusting this becomes a risk to other users. Despite users trusting other users, **user-generated content is always open to interpretation and correction**.

Another consideration in regards with this rating system is finding the line between user freedom and restrictions. I wanted to limit their input on weather conditions, age-friendliness, LGBTQ+ -openness, and disability ramps and tactile pavement accessibility into only either multiple choices (sunny, rainy, fair, etc.) or ratings (very conservative to highly liberal) because I wanted to **prevent hate actions and words on the platform**; and rather make these fields uniform. This uniformity also means I am limiting the users from expressing, commenting and/or justifying. In a worst-case scenario, the rating system **can even imply discrimination** against a certain location.

As part of the principle of keeping or maintaining a hate-free platform, it has been made a decision **not** to have a comments section for any user travel log. User-to-user interaction will be limited to private messaging (added feature) and a number-of-likes pointing system. This decision, however, **does not shield a user from harassment or stalking, especially since my platform may require a location log-in**.

My platform hardly has impact to propaganda, addiction and surveillance state, since my platform does not require to everyday-usage (unless a person travels from one location to another year-round, which has a highly niche possibility).



View Prototype →

Full link: <https://xd.adobe.com/view/b446b883-948e-4494-6178-c90cb9857b9a-c277/>



End.

Karen Yao, Project Owner
Centennial College, Toronto, Canada
M: +1-437-972-5938 or +63-917-314-0094
E: karensueannyao@gmail.com or kyao3@my.centennialcollege.ca

“Take nothing but pictures, leave nothing but **footprints** and kill nothing but time.”
— John Muir (1838-1914), Mountaineer / Aliyyah Eniath, Author (The Yard, 2016)