

## Log-in Story

Topic: "As a user who may or may not have an account on the application, I want to either log into my account or continue with the app as a guest."

As an unregistered user, the user is presented with the option to use the app as a guest or to create an account. When the user selects to create an account he is prompted to either create an account using social apps/existing emails or to go through the **account creation**. The user is then allowed back to login again using the user's new credentials (case-sensitive) or linked account.

As a visitor, the user will still be allowed to **location search story** with limited functionality (e.g. they won't be emailed results). And, the user's information and preferences would not be stored.

As a registered user they will be able to login using their information or linked account. Although, there may be a need for two-factor authentication or captcha in order to login successfully. Upon successful login, the user will be allowed to **location search story**.

However, if the user's login fails e.g. they input their credentials wrong, they would be allowed to attempt another login. If successful they will carry on to **location search story**. On the other hand, if unsuccessful they would have to authenticate themselves through answering a question or providing their email in order to update/create a new password or find their username. They will then have to go through the login process again before carrying on to **location search story**.

## **Location Search Story**

Topic: "As a user, I want to be able to input the weather and date criteria I desire."

Following the log-in story, the user will begin the process of finding flights within specific weather parameters by inputting their desired specifications. On the main page, the user will have the opportunity to click on a drop down at the top of the screen labeled "Preferred Weather Climates." This drop down will feature options detailing specific temperature ranges in which ranges of temperature (i.e., 80-100 degree Fahrenheit) will be labeled under easily understandable group names (i.e., Hot Weather). The user will then have the optional opportunity to specify their search by clicking on the drop down "Weather Condition" that will only appear opaque after a preferred climate has been selected (This drop down will be present on the screen before the climate is selected but will be transparent to avoid users from clicking on it before its previous condition is satisfied).

This second drop down will feature more options for the user to specify what their desired vacation may look like. The drop down will include options like rainy, arid, or tropical. This further specification will help spell out the difference between hot vacations on an island versus a desert. Finally, the user will need to input their desired departure date. The user will be able to click on the calendar directly below the label "Departure Date" and navigate the included calendar. They will be able to use the top most bar to toggle between years, the second most bar for months, and will be able to click directly on the days listed within the calendar for days.

Once these prerequisites are satisfied, the user will be able to click on the now illuminated "Search" Button next to all of the other drop downs and calendar. Once this button has been clicked, the user will continue to the "Location Selection" user story.

## Location Selection Story

Topic: "As a user, I want to see a list of locations that match the conditions I desire."

Following the location search story, the user will be presented with a list of locations matching their input criteria. If there are no locations that match, they will be prompted with an error message instructing them to try changing their search parameters.

After successfully completing a search and receiving possible locations that match their conditions, the user will be able to scroll through the list of locations on a single vertical screen. Each entry in the list will show the name of the location, a small picture highlighting a specific part of the location, the cheapest flight available for that location, and the soonest departure date available for that location. At the top of the list they will have the option to sort the locations by either the cost of the flight (with the top of the list starting at the cheapest flights) or the date of departure (with the top of the list starting at the soonest flights). They can search through the list and tap on the entry that most interests them. There will be a "Save" button allowing the user to save this location to their account as well as a button labeled "Flights" that takes them to a new page displaying all the available flights for that location.

Upon receiving flight results for a selected destination, the user will once again be able to scroll through the list of flights on a single vertical screen. Similarly to the list of locations, at the top of the list they will have the option to sort the flights by either the cost of the flight (with the top of the list starting at the cheapest flights) or the date of departure (with the top of the list starting at the soonest flights). By tapping on a flight, they will be able to see more detailed information about it, such as the airport it departs from and arrives at, the departure and arrival time, the airline of the flight, and when available, a link to a website or app where they can purchase tickets for the flight. There will also be a "Save" button allowing the user to save this flight to their account.

## **Account Creation Story**

Topic: "As an unregistered user, I want to create an account on the application."

Either upon opening the app or after the user has followed the location selection story, the user is given the option to create an account. The user's account would be used to store user preferences such as their departure location and weather preferences. Those will be able to be changed but it saves the user from having to input the same information every time. The user will be able to create an account with their Google account and potentially other social media accounts. This reassures the user because some might be hesitant to have sensitive information like passwords with non well known services. The only information we would request from the user's Google profile is their name and email address. The account creation dialogue will follow Google's account creation dialogue, where it asks the user what Google account they want to use and if they are comfortable with Google sharing the specified information. If the user does not have a Google or social media account we might allow the user to just create an account, taking the necessary security precautions.

There will be a couple of restrictions while creating an account. One of the restrictions is there can only be one email associated with an account. We would also have a length restriction on the passwords. We would also encourage the user to employ a password manager when creating a password for their account. It is also possible that will could use a different type of account creation such as the magic link. The user would provide their email address and we would email them a link allowing them to login, this bypasses the need for a password. Either way, we would email the user a verification email ensuring that they own or at least have access to the email that they inputted. This is done by emailing the user a link which if they follow will confirm that they have access to the email account. Once the user has created an account they can proceed to the "complete story" user story.

## **Complete Story**

Topic: "As a user, I want to find a flight to a location that matches my desired criteria."

Upon selecting a location, the app will prompt the user to create an account or log-in to save this flight for future reference. Otherwise, they would stay as a guest. If the user was a guest, they could temporarily see the selection while the user is on the page. The feature might be helpful for someone who wants to see possible vacation destinations quickly.

App will save the selected flight (mentioned in the location selection story) for a logged-in user to their account. A user might want to keep information to compare a few selected choices. Then, they can either confirm one of them and delete the rest or keep them as saved options for future reference. Once a destination is selected, the app will prompt the user to confirm their selection (i.e., a pop-up that says, "Are you sure you want this selection? Yes or no"). The pop-up will help reduce clutter in the account with selects they no longer want. On the other hand, if they pressed the return button or tried to exit by accident, they might want the app to ask them whether they don't want the flight. The feature saves the user from restarting the search.

Once they confirm selection, the app might give a curated list of recommendations based on favorites saved and input criteria. The feature would help them quickly pick from similar options to compare later. In addition, they can access their saved choices on their account page. There, they can choose to keep or delete selected destinations. The app would again show a pop-up every time they decide to delete a choice. In addition, users can click on options to review details. The favorites page might have a sorting feature, similar to the one mentioned in location selection story, where they can sort based on preference. It would ease the decision making process.