
TRAVEL PLANNER

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Description

- ★ A mobile travel planning system designed to help users efficiently organize activities and manage their calendars while visiting a destination city.

- ❑ **Search**, select, and schedule activities, hotel bookings, restaurants, and entertainment options within a range of up to 30 miles from the chosen location.

- ❑ **Organize** search results into 3 lists: hotels, restaurants, and entertainment.

- ❑ **Move** selected activities from their lists into an integrated calendar interface for streamlined trip planning and time management.

Use case 1: Sign up

Description

The system will allow users to create an account by providing necessary information like username, email, and password.

Goal

The goal is to successfully register new users so they can access personalized features, such as multiple calendar and personalized filter options.

Primary Actor

The primary actor is the new traveller signing up for an account.

Precondition

The user must have not registered previously and needs to provide all required details (e.g., username, valid email, password).

Success end condition

The user successfully creates an account and is redirected to the recommendations page.

Failure end condition

The system displays an error message if the signup process fails and the user is not directed to the next step.

Trigger

The user enters the app and is redirected to the signup/login page. The user clicks on the signup button to create a new account.

Main success scenario:

1. The user successfully enters all required information (e.g., email, password) in the signup form.
2. The user is redirected to the main page.

Error scenarios

1. The signup form does not load or responds slowly.
2. The entered email is already associated with an existing account.
3. Invalid input is detected (e.g., weak password, missing fields).
4. An error occurs while verifying the email or during account creation.

Use case 2: Log in

Description

The system will allow users to log in by providing their registered email and password.

Goal

The system will allow users to see their saved calendar and selected activities that they have chosen before

Primary Actor

The primary actor is a returning traveler who already has an account.

Precondition

The user must have previously created an account and provide valid login credentials (e.g., email, password).

Success end condition

The user successfully logs in and is redirected to the main page.

Failure end condition

The system displays an error message if the login fails, and the user is not directed to the next step.

Trigger

The user enters the app and is redirected to the signup/login page. The user clicks on the login button and provides their registered credentials.

Main success scenario:

1. The user successfully enters the correct email and password.
2. The user is redirected to the main page.

Error scenarios

1. The entered email is not associated with an existing account.
2. Incorrect email or password is provided.
3. An error occurs during authentication or verifying credentials.

Use case 3: Search results

Description

The system will search for matching events, hotels, and restaurants based on the user's entered location.

Goal

The goal is to provide the user with recommendations from our database for the specific location they have selected.

Primary Actor

The primary actor will be the traveller.

Precondition

The user must be logged in and have entered their desired location.

Success end condition

The system presents relevant insights and recommendations about the location.

Failure end condition

No recommendations are found for the specified location.

Trigger

The user enters the app and input the locations.

Main success scenario:

1. The user enters their desired location.
2. Relevant search results for that location are displayed

Error scenarios

1. The search results do not load.
2. The location does not exist.
3. Our database lacks information about the location.
4. No information is found for the entered location, either through the API or via the web scraping processes in our system.

Use case 4: Filter search results

Description

The user filters search results in desired location.

Goal

The goal is to allow user to refine and narrow the search results.

Primary Actor

The primary actor will be the traveller.

Precondition

The user needs to be logged on, put in the desired location then choose the filters they want to apply to the search results.

Success end condition

The results are tailored to align with the user's preferences.

Failure end condition

The system displays an error message if the results fail to appear.

Trigger

The user clicks on the filter button.

Main success scenario:

1. The user enters their desired location.
2. The search results associated with given location are displayed.
3. The user clicks on the filter button then chooses the filters they would like to apply. (the user can specify if they only want to see restaurants, or only hotels...Also additional filters to specify what kind of restaurants , events or hotels)
4. System provides a list that aligns with the user's preferences.

Error scenarios

1. Results fail to appear.
2. User unable to select multiple filters.
3. User unable to select any filter.
4. The filter button does not work.

Use case 5: Generate chosen lists

Description

The user selects activities, and the system adds them to chosen lists according to their categories (hotel, restaurant, entertainment) **and destination**.

Goal

Enable the user to easily access and manage their preferred activities in preparation for future calendar integration.

Primary Actor

The primary actor will be the user.

Precondition

The user must select their preferred activities from filtered search results.

Success end condition

The chosen lists are generated with all activities selected by the user and can be viewed in preferred calendar.

Failure end condition

Activities failed to be added into chosen lists according to their categories **and the destination**.

Trigger

The user clicks on the add button of an activity.

Main success scenario:

1. The user looks through the filtered search results.
2. The user finds one interested activity and clicks the add button in an activity option.
3. **The system asks for the preferred calendar if the user account has multiple plans.**
4. **The user confirms the calendar.**
5. The system adds the activity to its corresponding chosen list: hotel/ restaurant/ entertainment.
6. The system pop up a message: "Activity added! Check to view my lists." with a button that navigates the user to calendar with chosen lists.
7. The message disappear automatically in 3 seconds without action.

Error scenarios

1. User unable to select any filter.
2. User unable to select multiple activities.
3. Add button does not work.
4. Navigation button does not work.
5. The message does not disappear in 3 seconds.
6. Activity added to wrong category list.
7. **Activity added to wrong calendar by destination.**

Use case 6: Create the first calendar

Description

The user creates a calendar using activities from saved lists.

Goal

The goal is to allow the user to organize the list they saved into a calendar.

Primary Actor

The primary actor will be the user with account.

Precondition

The user needs to save hotels, events or restaurants from the search results.

Success end condition

The user's saved list is organized into a calendar.

Failure end condition

The system displays an error message if the calendar fails to appear/ The user is not able to access saved lists/ Activities cannot be dragged from lists.

Trigger

1. The user clicks on the new calendar icon that prompts them to create a calendar.

Main success scenario

1. User clicks the new calendar icon from calendar page.
2. System displays the saved lists in the sidebar of the calendar and prompts user to name the new calendar.
3. User drags an item from saved lists to a specific time on the calendar.
4. User indicates when they're done adding to calendar.
5. System confirms and saves the edited calendar.

Error scenarios

1. The new calendar icon does not work.
2. System does not display the saved list.
3. Elements of result list cannot be moved to the user's calendar.
4. Calendar cannot be saved.

User case 7: Review and Revise on created calendar

Description

The user reviews or revises an existing calendar.

Goal

The goal is to allow the user to review or revise an existing calendar.

Primary Actor

The primary actor will be the user.

Precondition

The user needs to have an account and a calendar that has been created.

Success end condition

The user is able to review the calendar and make any preferred changes.

Failure end condition

Calendar fails to appear/ Calendar failed to save from last time/
The user is unable to make changes on their previously made calendar/ The edit button failed to work

Trigger

The user clicks the calendar icon or clicks the edit button on calendar.

Main success scenario:

1. The user enters account and password.
2. System presents the search screen.
3. User clicks the calendar icon.
4. System displays saved calendar from last edit.

(Revise scenario continued)

5. User opens the sidebar to view saved activities.
6. User moves, adds/ deletes the activities on calendar.
7. User indicates when they're done modifying the calendar.
8. System confirms and saves the edited calendar.

Error scenarios

1. Calendar fails to appear.
2. Calendar failed to save from last time.
3. Edit button does not work
4. User unable to modify on the existed calendar.

Use case 8: Create another calendar

Description

The user creates multiple calendars for different destinations.

Goal

The goal is to allow the user to create multiple plans for different destinations.

Primary Actor

The primary actor will be the user.

Precondition

The user has an account with 1+ calendar, searched for activities in a new destination and generated chosen lists.

Success end condition

The user created a new calendar for another destination with new chosen lists.

Failure end condition

A new calendar fails to appear/ Activities are not from a new chosen list created from new destination search result/ Activities are added in existing calendars.

Trigger

The user clicks on the new calendar icon that prompts them to create a new calendar.

Main success scenario

1. User clicks the new calendar icon.
2. System displays names of all destination that has saved lists in the sidebar of the calendar.
3. User selects the new destination name.
4. System displays saved lists under the new destination only, and automatically prompts user to name the new calendar.
5. User drags an item from saved lists to a specific time on the calendar.
6. User indicates when they're done adding to calendar.
7. System confirms and saves the new calendar.

Error scenarios

1. The new calendar icon does not work.
2. System does not display the saved list.
3. Wrong saved lists were displayed after selection.
4. Calendar is not named after selection.
5. Elements of saved list cannot be moved to the user's calendar.
6. Calendar cannot be saved.

User case 9: delete a calendar

Description

The user is looking to delete an existing calendar.

Goal

The goal is to allow the user to delete their calendars.

Primary Actor

The primary actor will be the user.

Precondition

The user need to be logged on, and has created 1+ calendar.

Success end condition

The user's calendar is deleted.

Failure end condition

The user's calendar is not deleted.

Trigger

The user clicks on "delete my account".

Main success scenario:

1. User clicks on the calendar icon.
2. System displays all calendars created previously.
3. User clicks on the delete button of a specific calendar.
4. System requires confirmation.
5. User confirms their choice of deleting the calendar.
6. Calendar is deleted.

Error scenarios

1. Calendars are not displayed.
2. "Delete" button does not work.
3. Calendar is deleted before asking user to confirm their choice.
4. Calendar is not deleted after confirmation.

User case 10: delete account

Description

The user is looking to delete their account.

Goal

The goal is to allow the user to delete their account.

Primary Actor

The primary actor will be the user.

Precondition

The user need to be logged on, go to setting then select “delete my account”.

Success end condition

The user’s account is deleted.

Failure end condition

The system displays an error message if the user’s account is not deleted.

Trigger

1. The user clicks on “delete my account”.

Main success scenario: creation

1. User clicks on settings.
2. User clicks on “delete my account” button.
3. User confirms their choice of deleting their account.
4. Account is deleted.

Error scenarios

1. Account is not deleted.
2. Account is deleted before asking user to confirm their choice.
3. The “delete my account” button does not work.