



# Software Engineering

Lab 3

Group 7

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## User Stories :

1. Front of Card : As a "new traveller", I want to "create a Routier account so that "I can personalize my trip planning experience".

Back of Card :

Description :

The user wants to register a new account on the Routier platform with their basic preferences.

Acceptance Criteria:

- The registration page should prompt the user to enter their name, email address, and a password.
- After submitting the required information, the user should receive a confirmation message indicating successful registration.
- Upon registration, the user's account should be created and their information securely stored.
- Once logged in, the user should be able to access their profile.
- In the profile section, the user should be able to view and update their travel preferences, such as interests (e.g., adventure, food, culture) and travel style (e.g., solo, family, group).
- The user should also have the ability to view a history of their past trips that were planned using the platform.

2. Front of Card : As a "traveller" I want to "be able to document my trip and share it" so that "I can share my experiences with my friends and family".

Back of Card : After the trip, the user should have the option to make their trip journal public or share it with specific contacts. The shared journal should be viewable as a chronological story, including photos and captions.

3. Front of Card : As a "traveller", I want to "access real-time information through Routier, including weather updates, local events, and sudden changes in attraction opening hours," so that "I can make informed decisions, adjust my plans accordingly, and have a smooth travel experience".

Back of Card :

Description:

The user aims to access real-time information through Routier while on a trip, including weather updates, local events, and unexpected changes in attraction opening hours.

Acceptance Criteria:

- The user can open the Routier app during their trip.
- The app's home screen prominently displays real-time weather updates for the current location.

- The user can navigate to a "Local Events" section to view ongoing events in the area.
  - Routier's notification system promptly informs the user about any sudden changes in attraction opening hours, ensuring they stay informed about closures or adjustments.
  - Weather, events, and opening hour information is updated in real-time, keeping the user well-informed throughout their journey.
  - The user can customize their notification preferences, choosing to receive updates for weather changes, events, or opening hour adjustment.
4. Front of Card : As a user, I want to set my budget range for travel expenses so that the recommendations align with my financial preferences.

Back of Card :

Description:

Users have the ability to set a preferred budget range for travel expenses within the Routier app. Acceptance Criteria:

- Users can access the budget setting feature within their profile.
  - Users can set a minimum and maximum budget range for their trip expenses.
  - The app's algorithm considers the specified budget range when generating recommendations.
  - Recommendations exceeding the budget range are clearly marked.
  - Changes to the budget range are saved automatically.
  - Users receive real-time feedback on how their budget choice impacts recommendations.
  - The app handles errors or unexpected inputs gracefully with helpful messages.
5. Front of Card : As a "traveller returning from a trip", I want "Routier to prompt me to rate and review the places I visited", so that "I can contribute to app improvement and help fellow travelers make informed decisions based on shared experiences".

Back of Card : After completing a trip, Routier encourages users to provide feedback by rating and reviewing the places they visited. This feedback mechanism supports the app's ongoing enhancements and empowers future travelers to make well-informed decisions based on shared experiences.

6. Front of Card : As a "traveler eager to explore a new destination", I want to "see a tailored list of recommended places to visit, activities, and attractions specific to my chosen destination," so that "I can efficiently plan my itinerary and make the most of my trip".

Back of Card :

Description:

As a user, I want to see a tailored list of recommended places to visit, activities, and attractions at my chosen destination. This will help me discover relevant options for my trip that align with my interests and preferences.

Acceptance Criteria:

- The platform should have a section that displays the recommended places, activities, and attractions. The recommendations should be based on the user's provided travel preferences, interests, preferred destinations, and experience types.
- Each recommendation should include a brief description, images, and relevant information (e.g., opening hours, location).
- The user should have the option to filter or sort recommendations based on different criteria (e.g., popularity, rating, distance).
- Clicking on a specific recommendation should provide the user with more detailed information about that place or activity.
- The platform should continuously learn from the user's interactions and feedback to improve the relevance and accuracy of recommendations over time.

7. Front of Card : As a "user", I want "the option to get directions to each recommended place from my current location" so that "I don't have any difficulty in finding the places".

Back of Card :

Description:

The user wants directions to each recommended place from their location.

Acceptance Criteria:

- Each recommended place on the map should have a clear and easily accessible option to get directions.
- The "Get Directions" option should be available in a way that's intuitive and visible when viewing a recommended place's details.
- Clicking or tapping the "Get Directions" option should initiate navigation from the user's current location to the selected recommended place.
- If the user decides to change their mind and not proceed with navigation, there should be a clear way to cancel the navigation request.
- The navigation interface should be user-friendly, with clear visual cues and spoken instructions for each step of the route.

8. Front of Card : As a "traveller eager to stay organised and informed", I want to "receive notifications and reminders about my upcoming trips, reservations, and suggested activities through the Routier app", so that "I can effectively manage my travel plans, avoid missing important details, and make the most of my journey".

Back of Card :

Description:

The user should receive notifications and reminders about the upcoming trips, reservations, and suggested activities.

Acceptance Criteria:

- The user should have the option to enable or disable notifications for upcoming trips, reservations, and suggested activities.
- The user should receive a notification well in advance of any upcoming trip, reservation, or suggested activity.
- Notifications for upcoming trips should include details such as the destination, departure date and time, and a link to the itinerary.
- The user should be able to access more details about the trip, reservation, or activity directly from the notification.
- Notifications should be clear, concise, and provide the necessary information without overwhelming the user.
- Users should have the option to mark notifications as "read" or "dismissed" to clear them from their notification feed.
- The user's privacy and data security should be maintained when sending and receiving notifications.

9. Front of Card : As a "user", I want "the ability to access my travel plans and recommendations offline, especially when I'm traveling to areas with limited connectivity".

Back of Card :

Description:

When traveling to areas with limited connectivity, I want the ability to access my travel plans and recommendations offline, ensuring I stay informed and organized throughout my journey.

Acceptance Criteria:

- The application should allow users to download and store their travel plans, reservations, and recommended activities for offline access.
- Users should be able to view their offline content, including itinerary details and recommendations, without requiring an active internet connection.
- The offline content should include essential information such as dates, times, addresses, and descriptions for each travel item.

10. Front of Card : As a "traveller who values personalized experiences", I want to "provide feedback on the accuracy and relevance of the recommendations I received from Routier", so that "I can help refine the suggestions and ensure that the app tailors its suggestions to align better with my preferences".

Back of Card :

Description:

The user should have the ability to provide feedback on the recommendations they receive from Routier. This feedback mechanism will help us improve the accuracy and relevance of our suggestions over time. Users should be able to share their opinions and insights about whether the recommendations aligned with their preferences and interests.

Acceptance Criteria:

- A "Provide Feedback" option should be prominently available within the app's user interface, accessible from the recommendations screen.
- Upon selecting the "Provide Feedback" option, the user should be presented with a form or interface where they can input their feedback.
- The feedback form should include a section to rate the overall accuracy and relevance of the recommendations on a scale of 1 to 5.
- Routier's backend system should store and associate user feedback with the specific recommendations that were provided.
- The collected feedback should be analyzed periodically to identify patterns and areas for improvement.
- The app should encourage users to provide feedback at various intervals to ensure a continuous feedback loop.