



**voyage**  
*a trip made for you*

Group 4  
Rui Machado (113765)  
Guilherme Rosa (113968)  
João Roldão (113920)  
Henrique Teixeira (114588)  
Henrique Freitas (114990)

Advisors  
Osvaldo Pacheco  
Daniel Ferreira

# PROBLEM

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- **Lack of local knowledge**

Travelers often struggle to plan personalized trips due to a lack of local knowledge

- **Overwhelming number of choices**

The vast number of online options leads to decision fatigue, making it difficult to select activities that best align with the user's vision

- **Finding and planning activities aligned with their preferences**

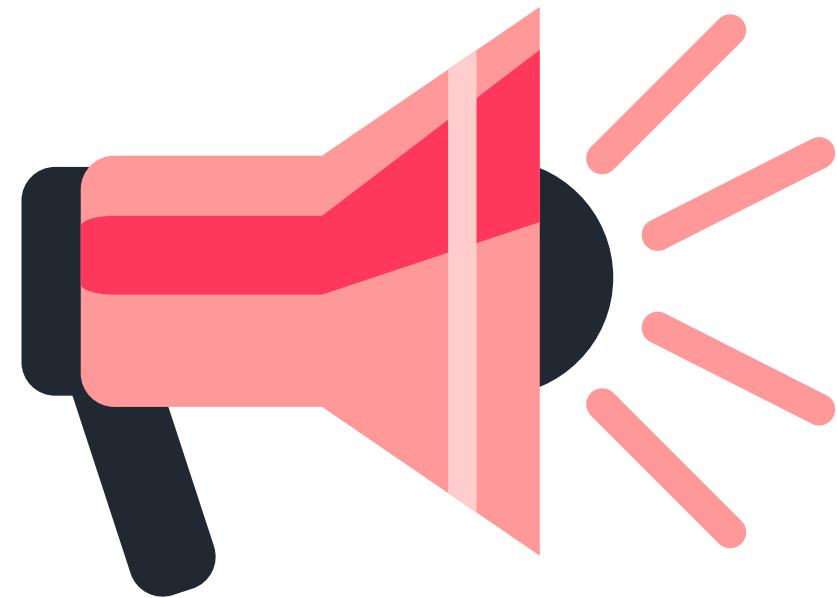
It can take a lot of time and be very tedious to plan activities aligned with your preferences in a local you don't know



# MAIN FEATURES

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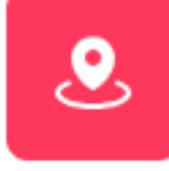
- Personalized trips with the user preferences
- Individual & Group Trips
- 3 Types of Trips



Visit Place



Road Trip



Zone Trip

# STATE OF THE ART

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Service	Layla AI	Wonderplan	Mindtrip	Voyage
Budgeting	✓	✓	✓	✓
Trip planning	✗	✓	✓	✓
Zone Setting	✗	✗	✓	✓
Group Planning	✗	✗	✓	✓
Reusable Preferences Profile	✗	✗	✗	✓

# FUNCTIONAL REQUIREMENTS

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## ● Personalized Trip Management

- Individual Trip
- Group Trip
- Place Trip
- RoadTrip Trip
- Zone Trip
- Edit trips
- Reload trip with the same or new preferences
- Export trip to Google Maps

## ● User Profiles & Social Features

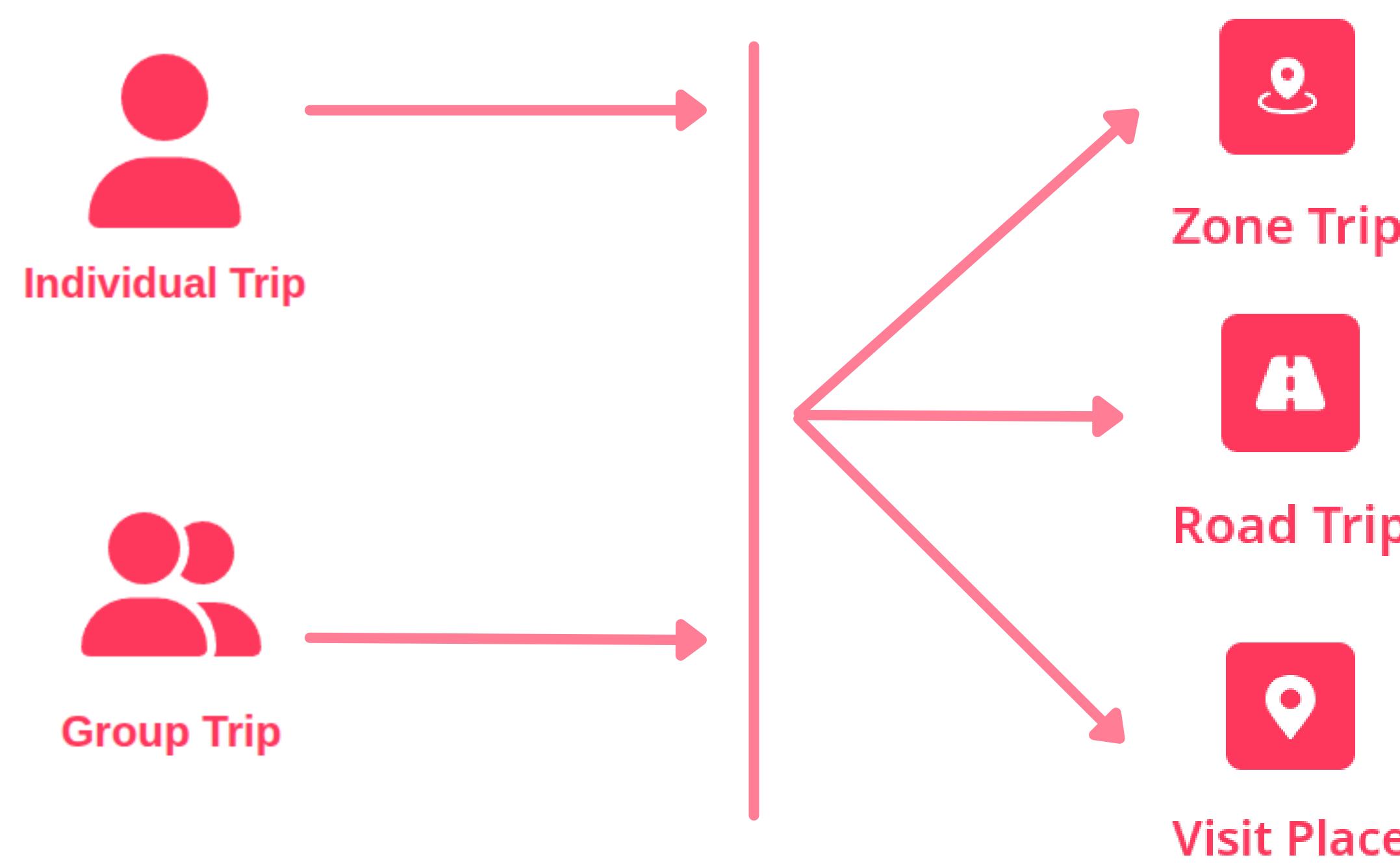
- Manage friend requests
- View friends' travel stats.
- Update privacy settings

## ● Place Management

- Save favorite places.
- Check place details



# CORE USE CASES



# MAIN USE CASE

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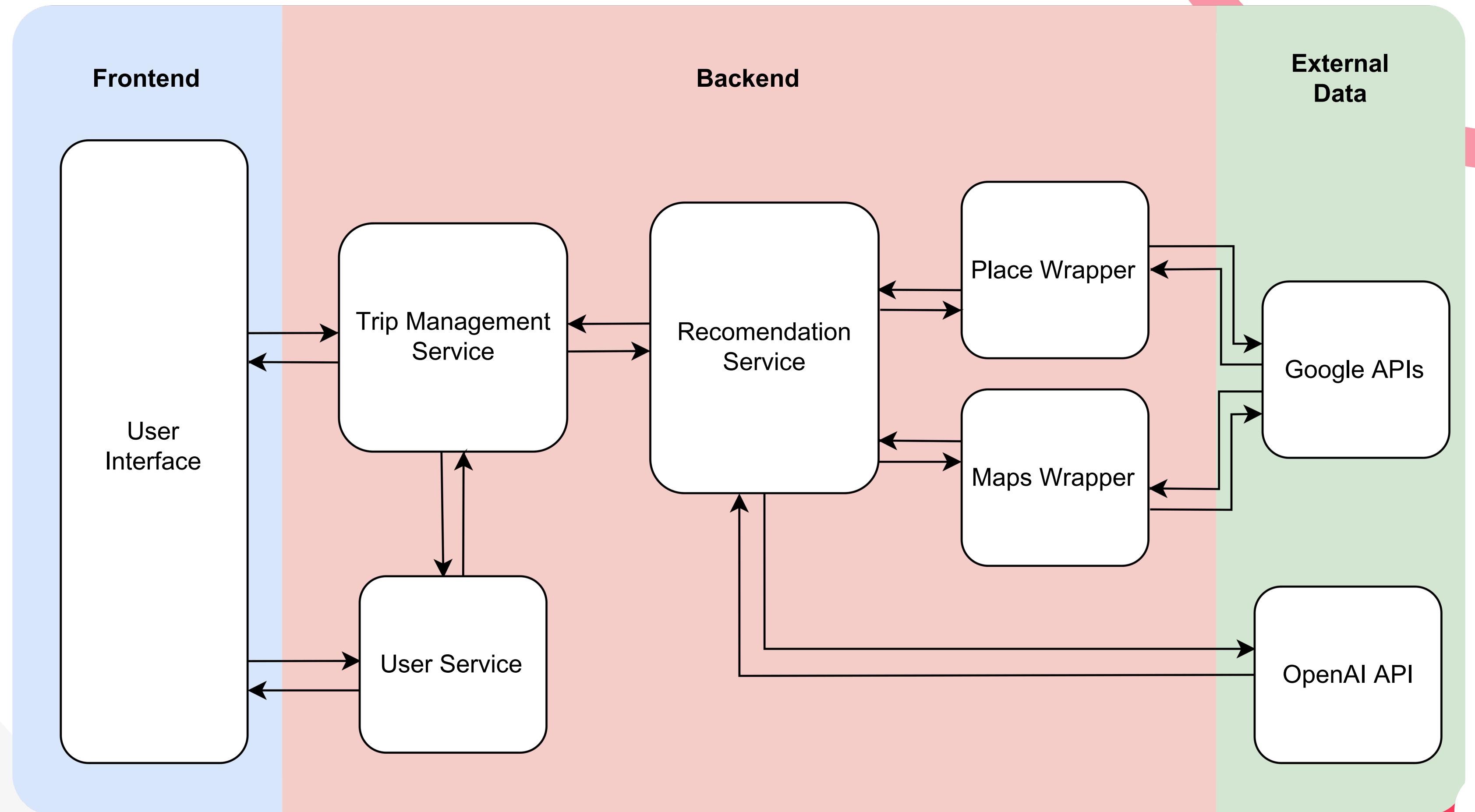
Group Trip



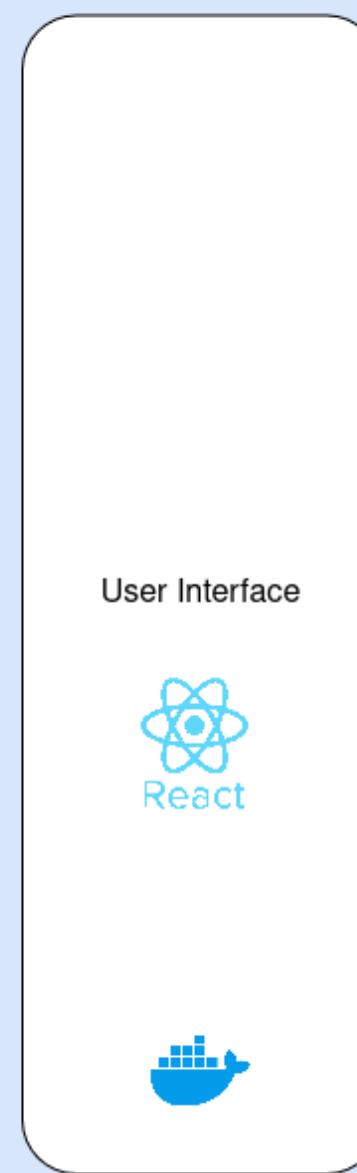
Visit Place

## Main Steps

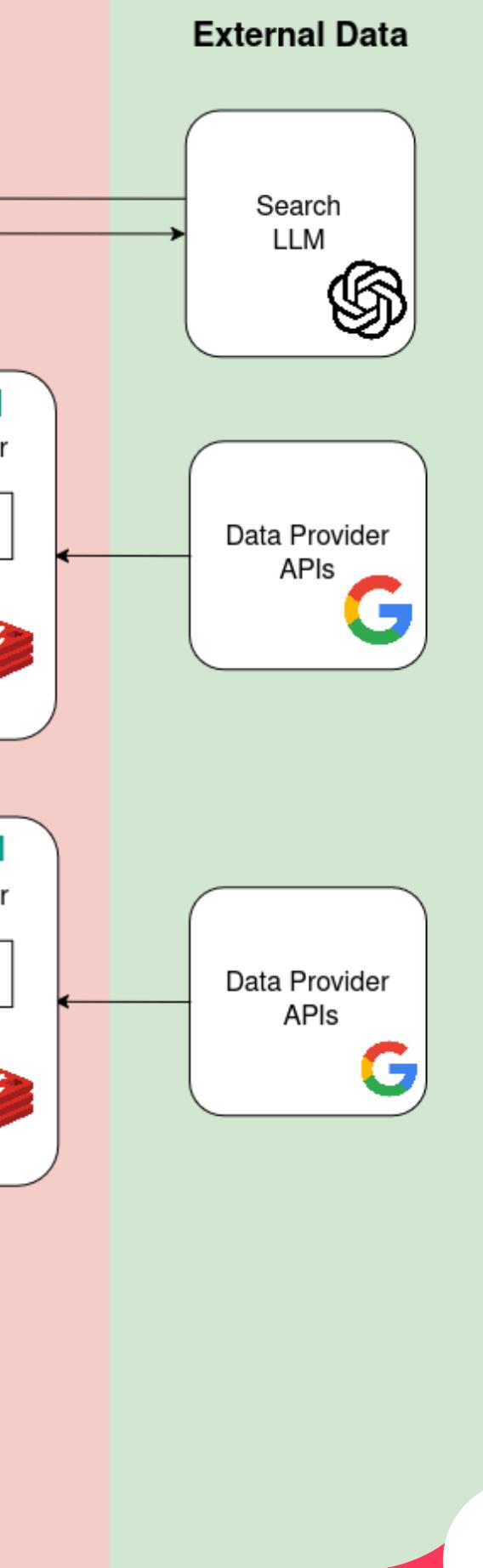
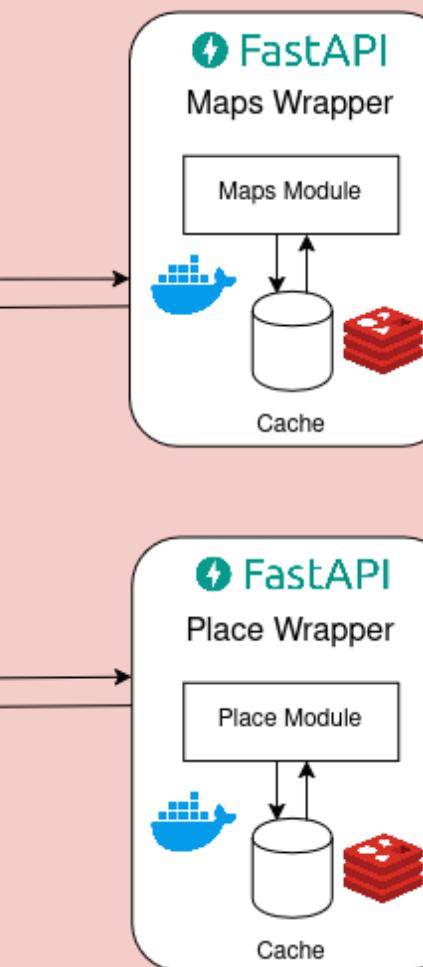
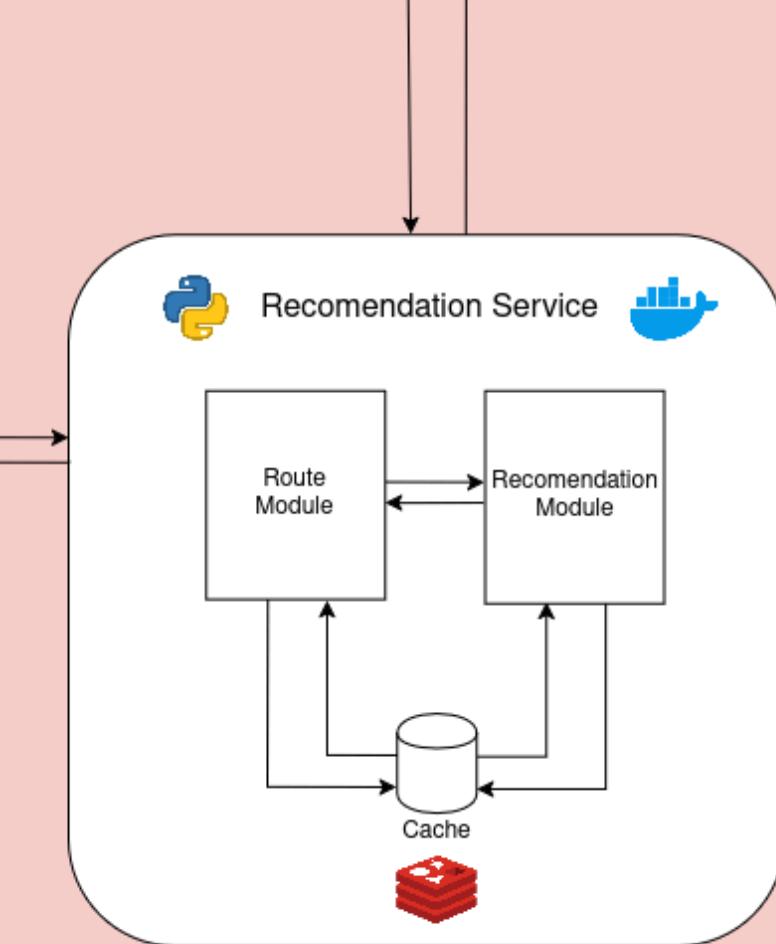
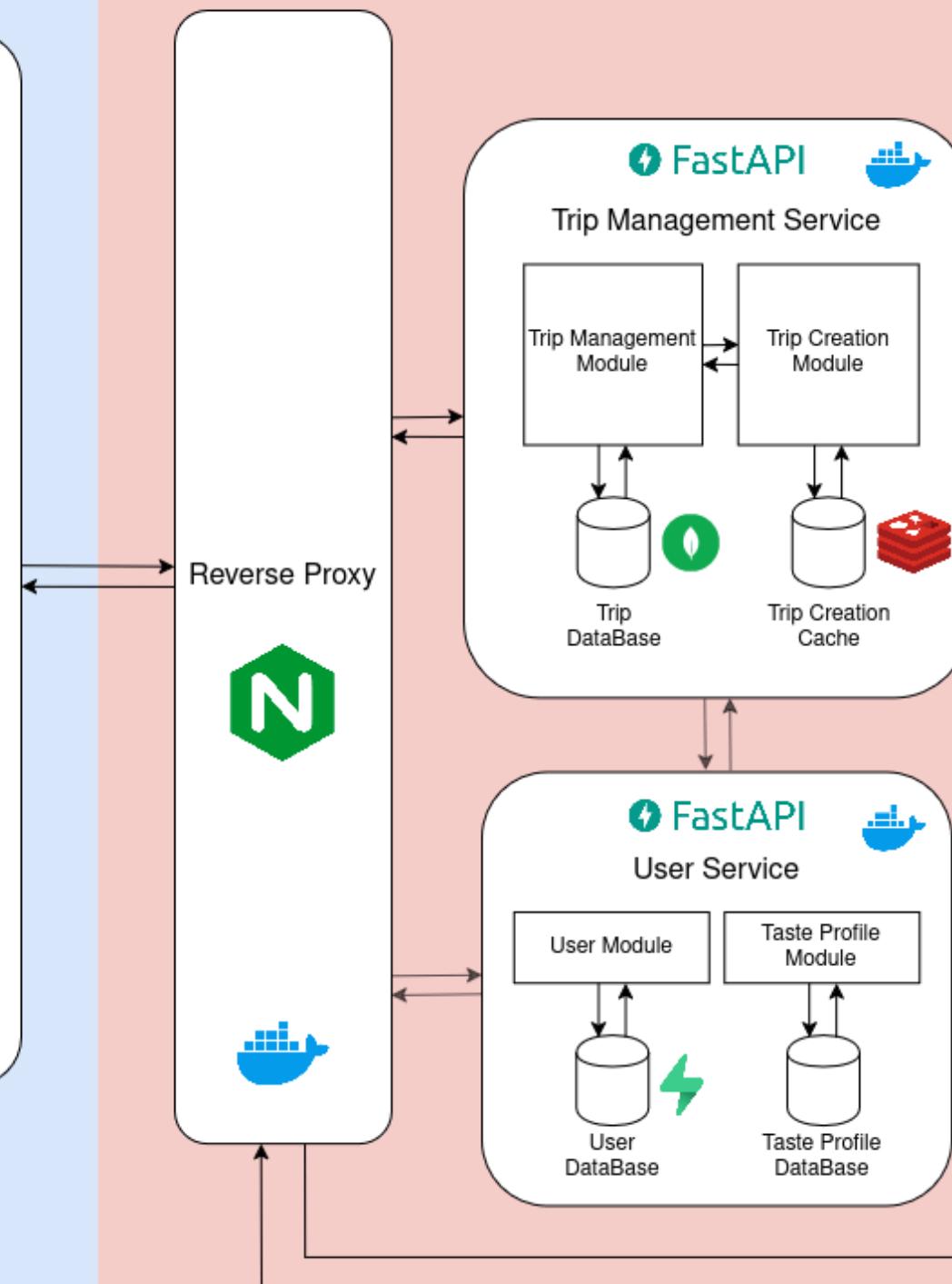
- 1 Create a new trip
- 2 Edit the itinerary
- 3 Save the itinerary



## Frontend



## Backend



1

# Create a New Trip - Invite Friends to Group Trip

The screenshot shows the 'Add friends to the trip' screen of the Voyage app. At the top, there is a navigation bar with a red circle containing the number '1' on the left, followed by the 'voyage' logo and a progress bar with six numbered circles (1 to 6). On the far left, there is a vertical sidebar with several icons: a red plus sign, a location pin, a heart, a group of people, a double arrow, and a gear.

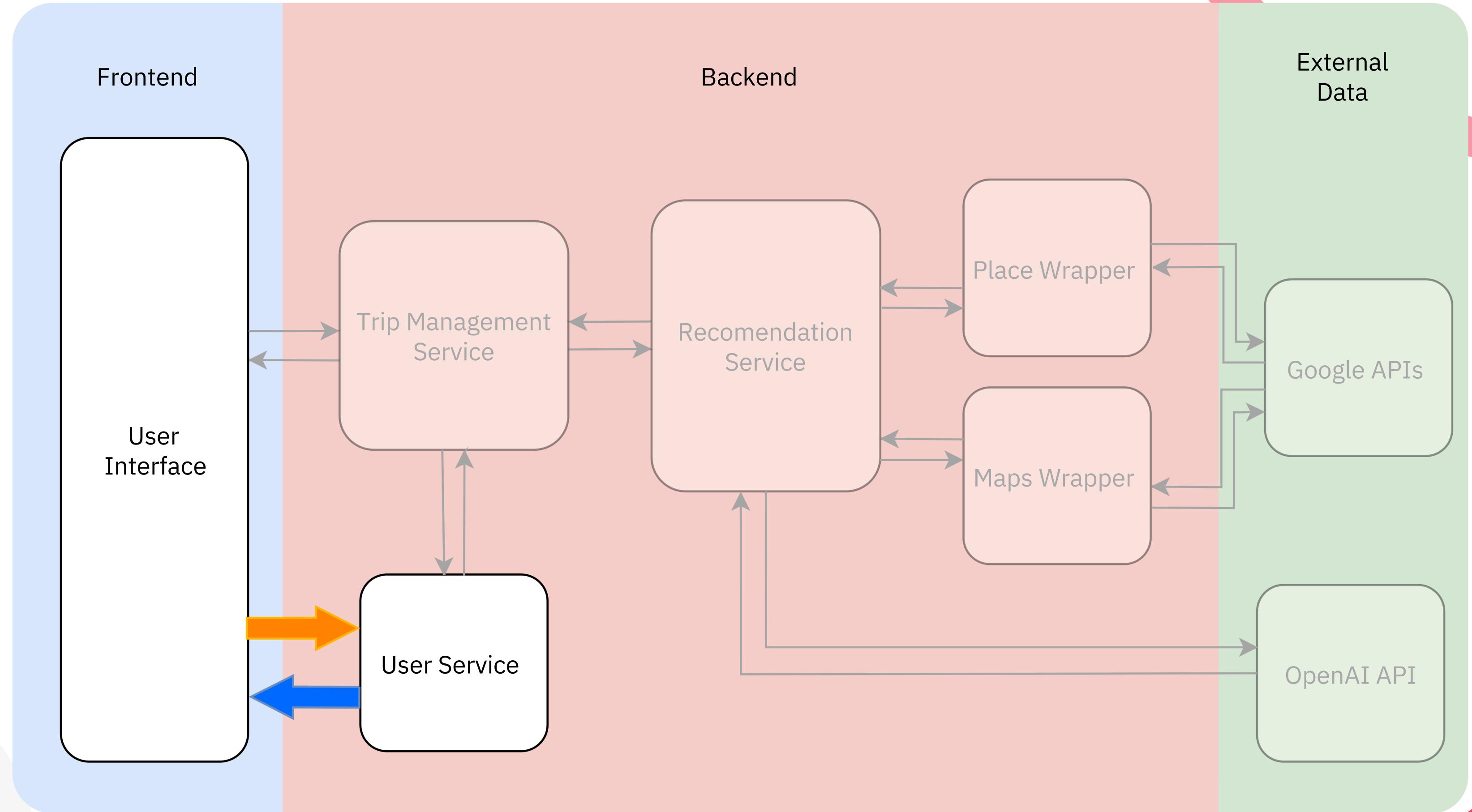
The main content area has a title 'Add friends to the trip' with a blue arrow icon pointing to the right. Below it, there are two sections: 'Your Friends' and 'Send a link'.

**Your Friends:** This section displays a grid of friend profiles. Each profile includes a circular photo, a name, and a red plus sign indicating they can be added. The profiles are arranged in two rows:

- Row 1: Osvaldo Pacheco, Guilherme Rosa, Daniel Ferreira, Rui Machado
- Row 2: Henrique Teixeira, Henrique Freitas, João Roldão

**Send a link:** This section contains a search bar labeled '@ Tag' with a red arrow icon to its right. Below the search bar, the text 'Friends Added' is displayed, followed by the message 'No friends added yet.'

At the bottom of the screen, there are navigation buttons: a red 'Back' button on the left and a light blue 'Next' button on the right.



1

# Create a New Trip - Select Place



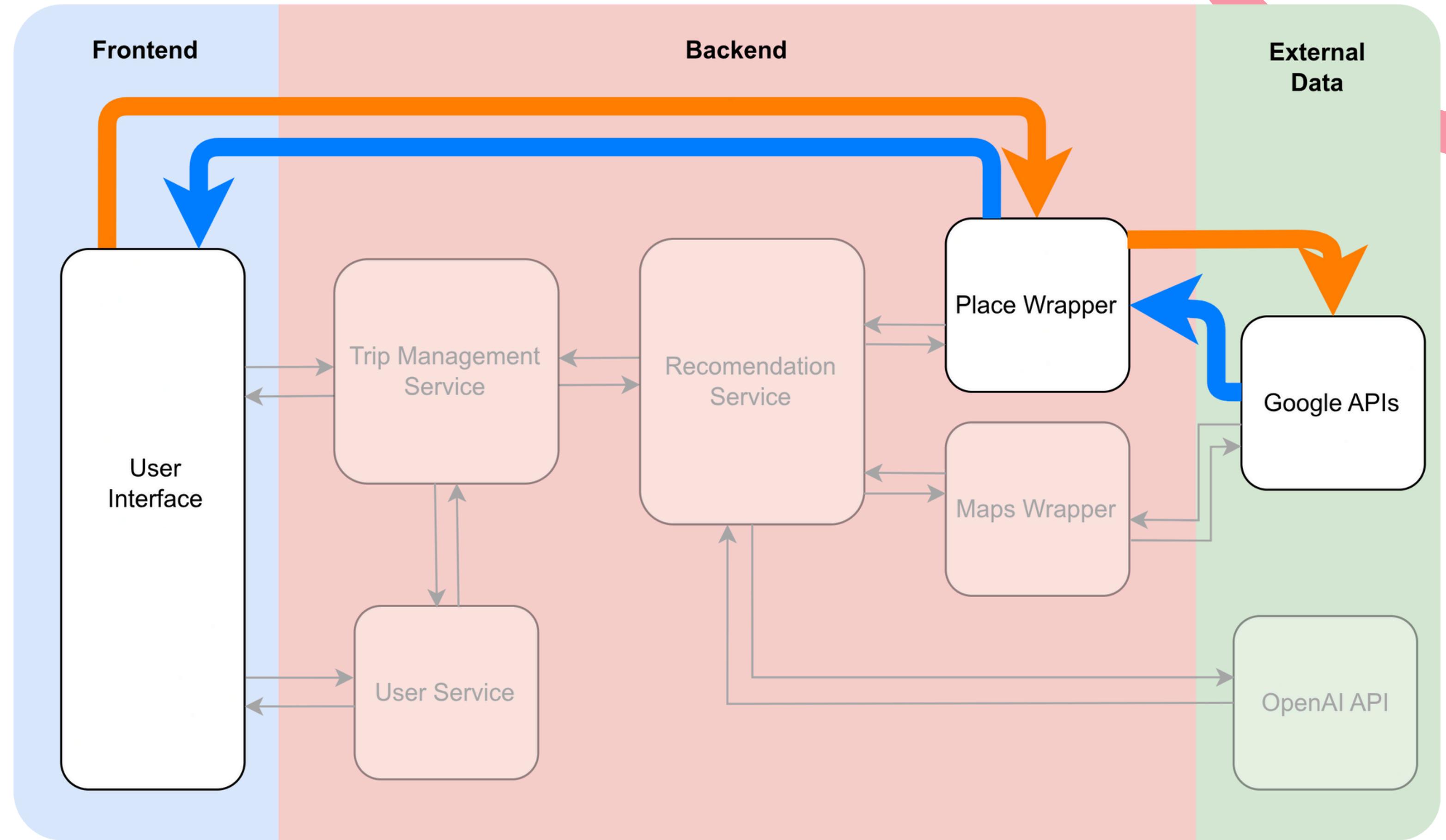
Choose a **location** to go to!

Insert a location that you would like to visit...

Back Next



A map of Europe with major cities marked and labeled. The countries shown include the United Kingdom, Ireland, France, Spain, Portugal, Italy, Greece, and Russia. Major cities labeled include London, Paris, Rome, Berlin, Vienna, Prague, Krakow, Warsaw, and Budapest.



1

# Create a New Trip - Specify Trip Details & Preferences

voyage

1 2 3 4 5 6

Dates

Start Date:  
07/08/2025

Budget

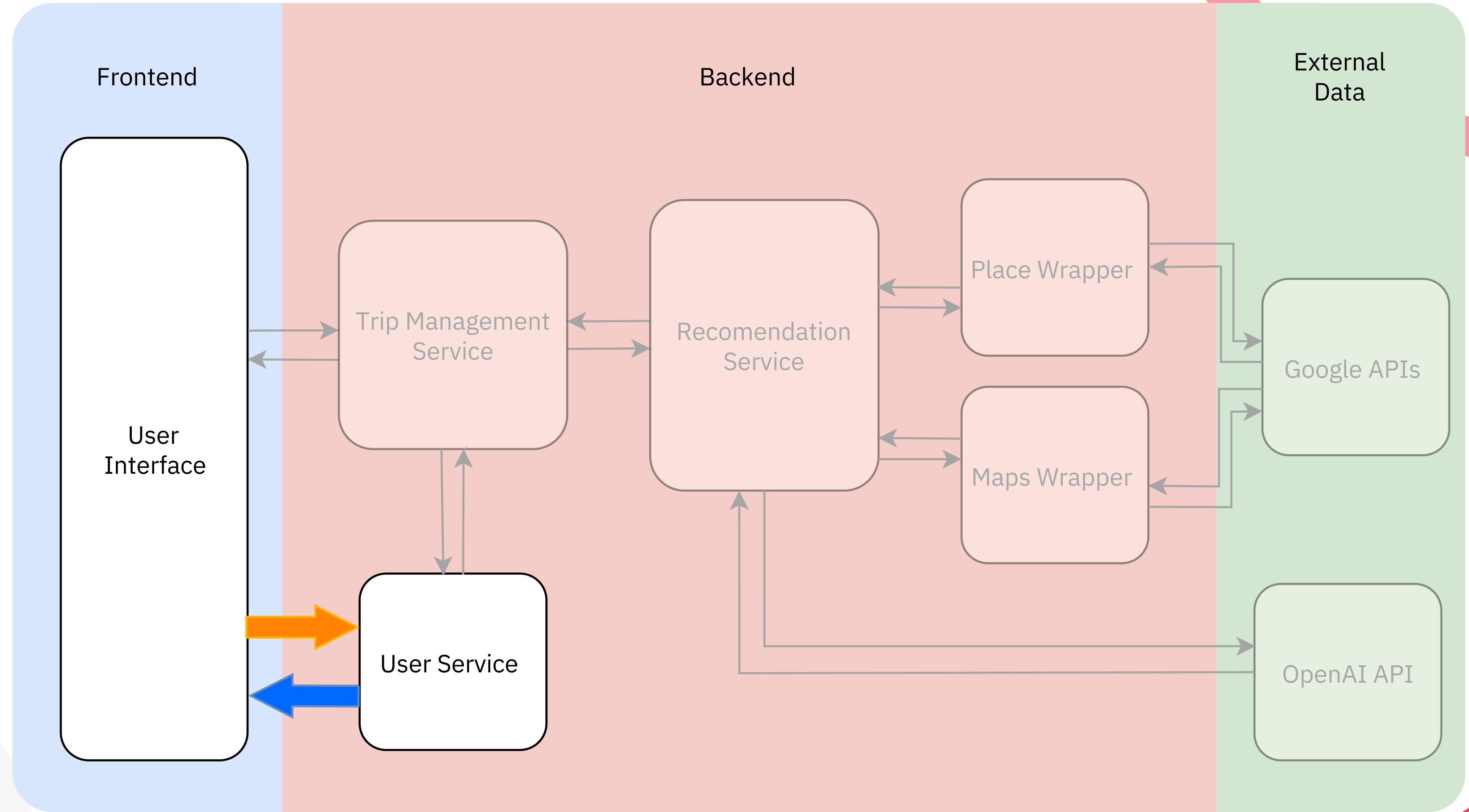
Give us the maximum value that you would like to spend

500 €

0 2500 +

+ Back Next →

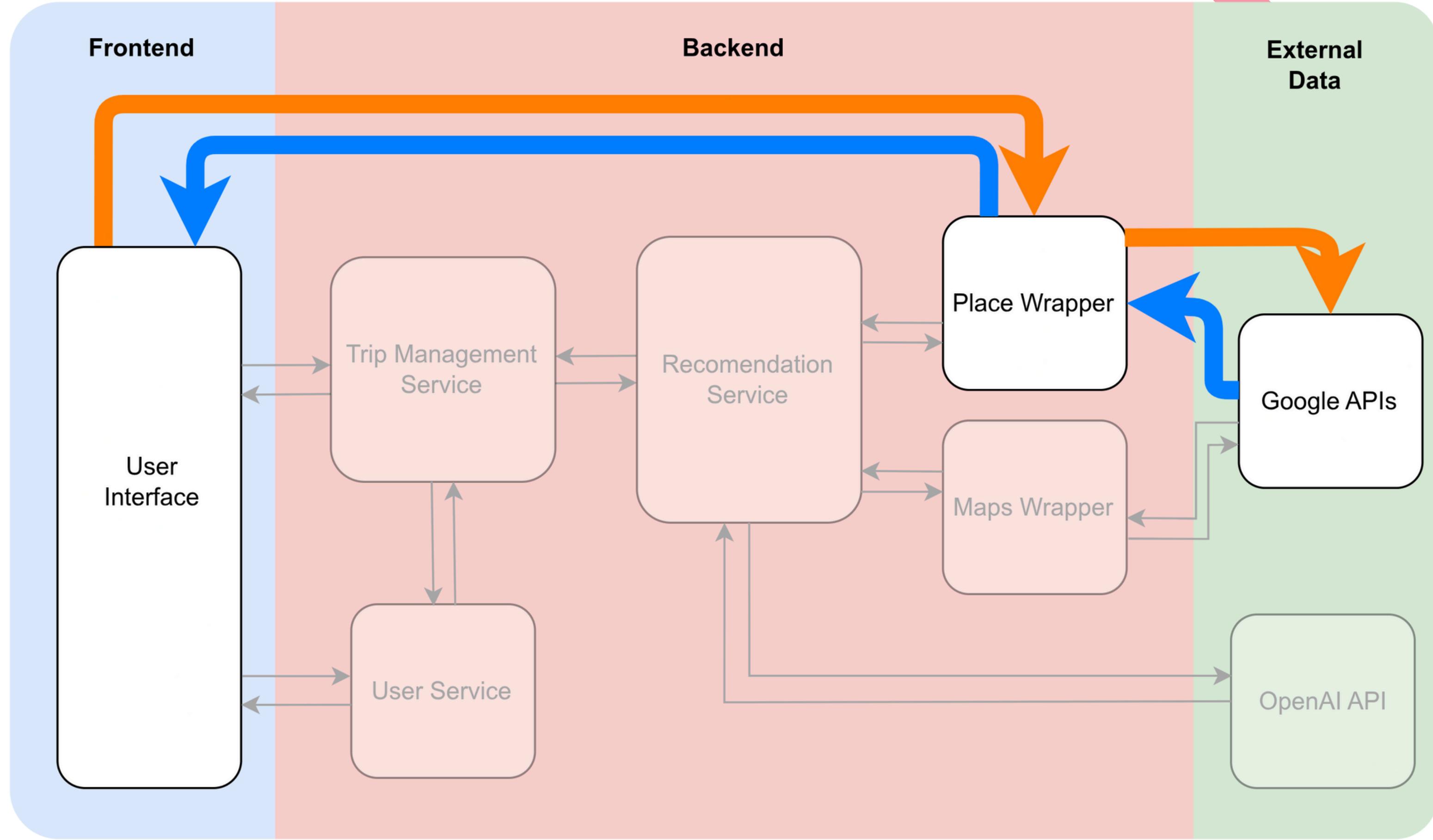
Profile icons: User, Photo, Plus, Location, Heart, People, Refresh, Settings



1

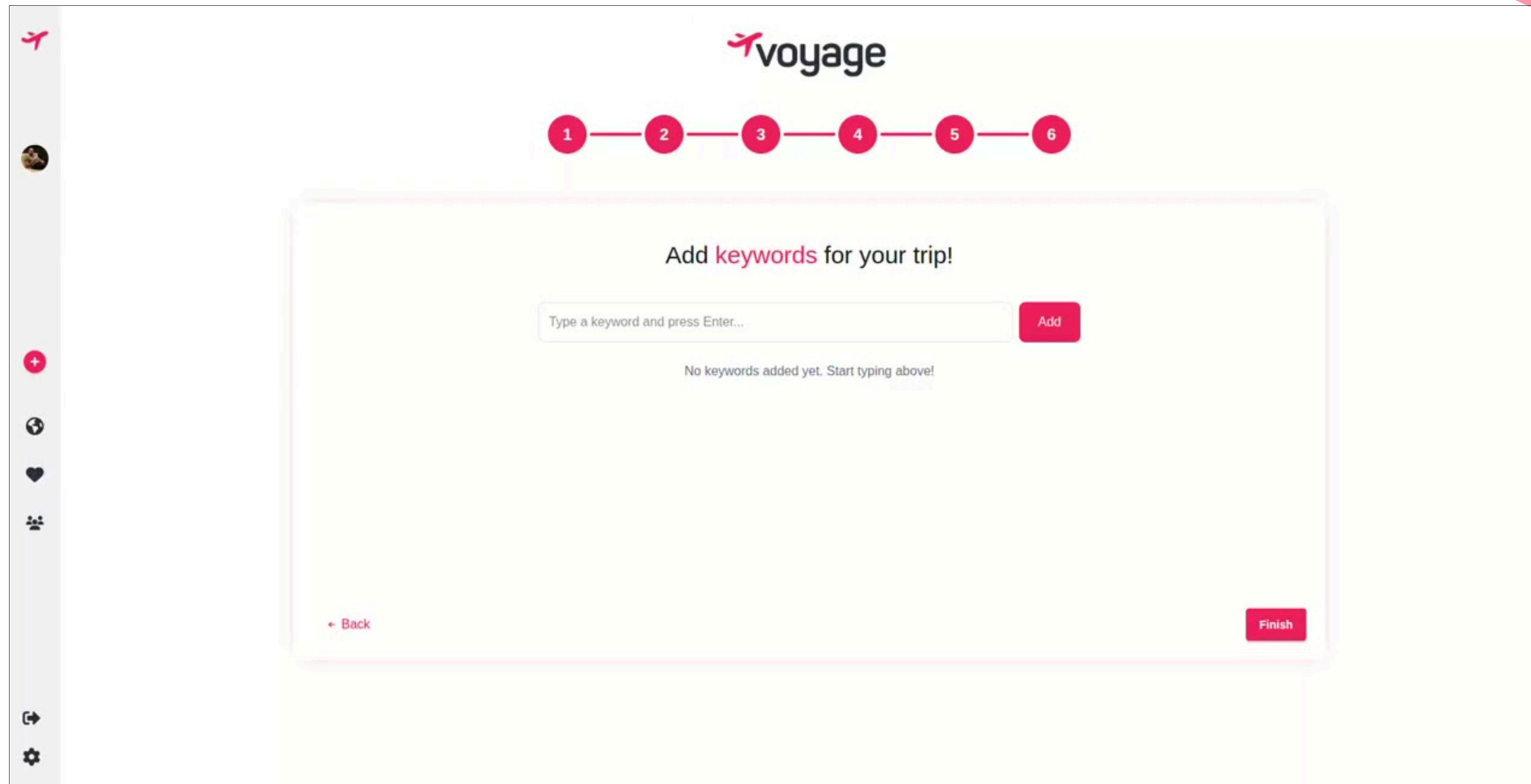
# Create a New Trip - Select Must Visit Places

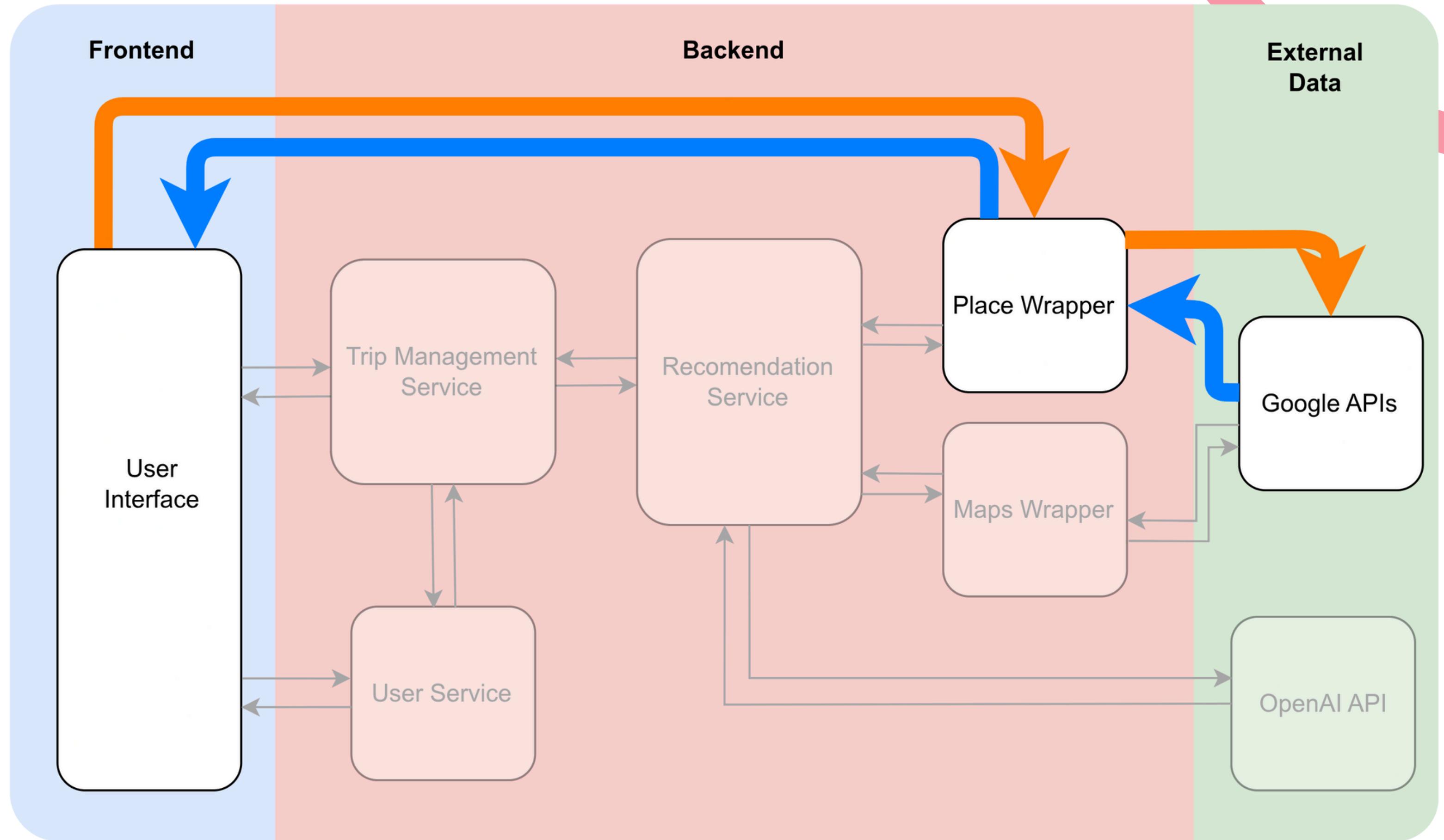
The screenshot shows the 'voyage' app interface for creating a new trip. On the left is a vertical sidebar with icons for flight, profile, add, location, heart, group, location, and gear. The main screen has a red header bar at the top. In the center, the 'voyage' logo is displayed above a horizontal progress bar consisting of six red circles numbered 1 through 6. Below the progress bar is a section titled 'Add places you must visit!' with a search bar containing the placeholder 'casa ba' and a note 'No must-visit places added yet.' A large airplane icon is centered on the page. At the bottom, there are 'Back' and 'Next' buttons.



1

# Create a New Trip - Choose Trip Keywords





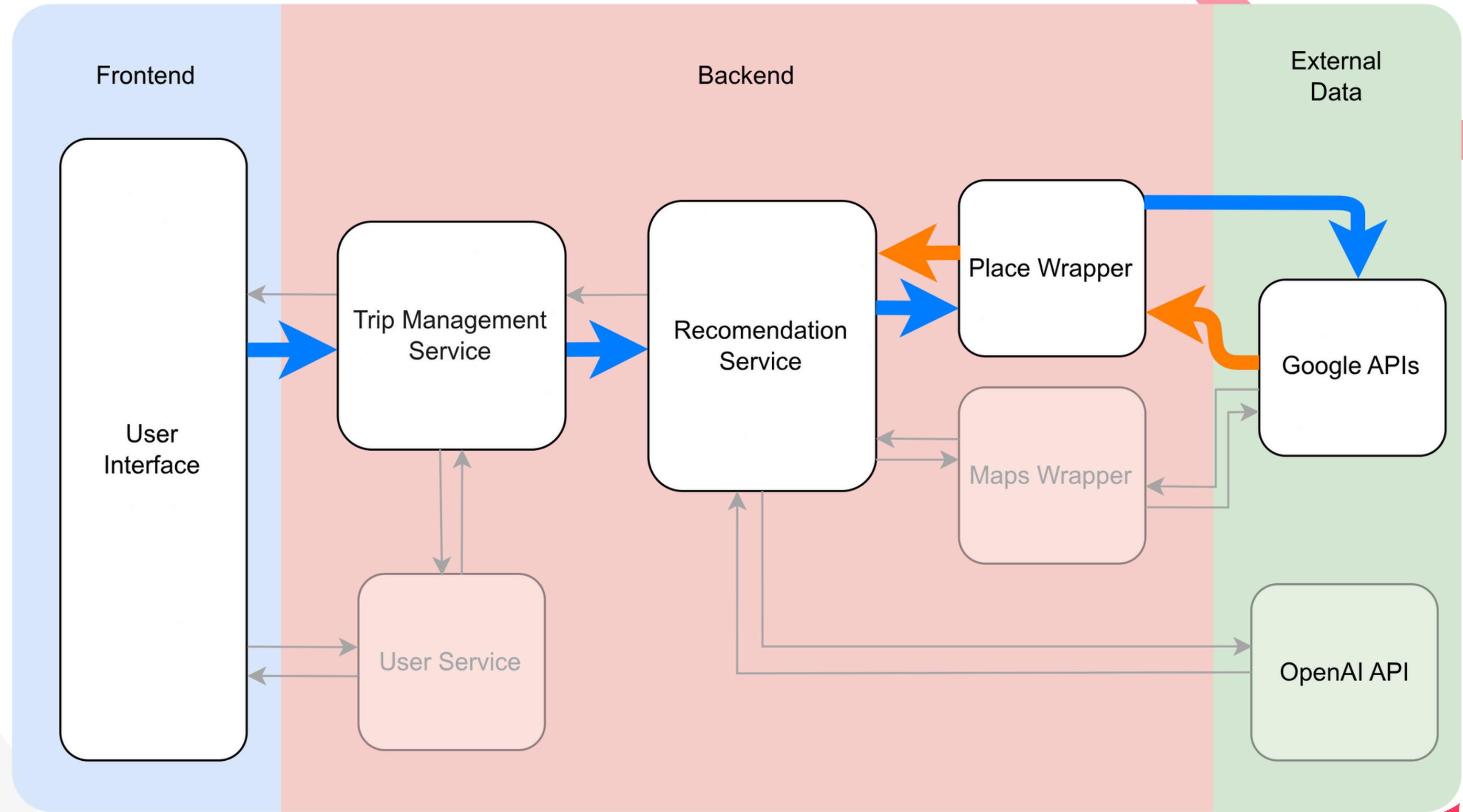
1

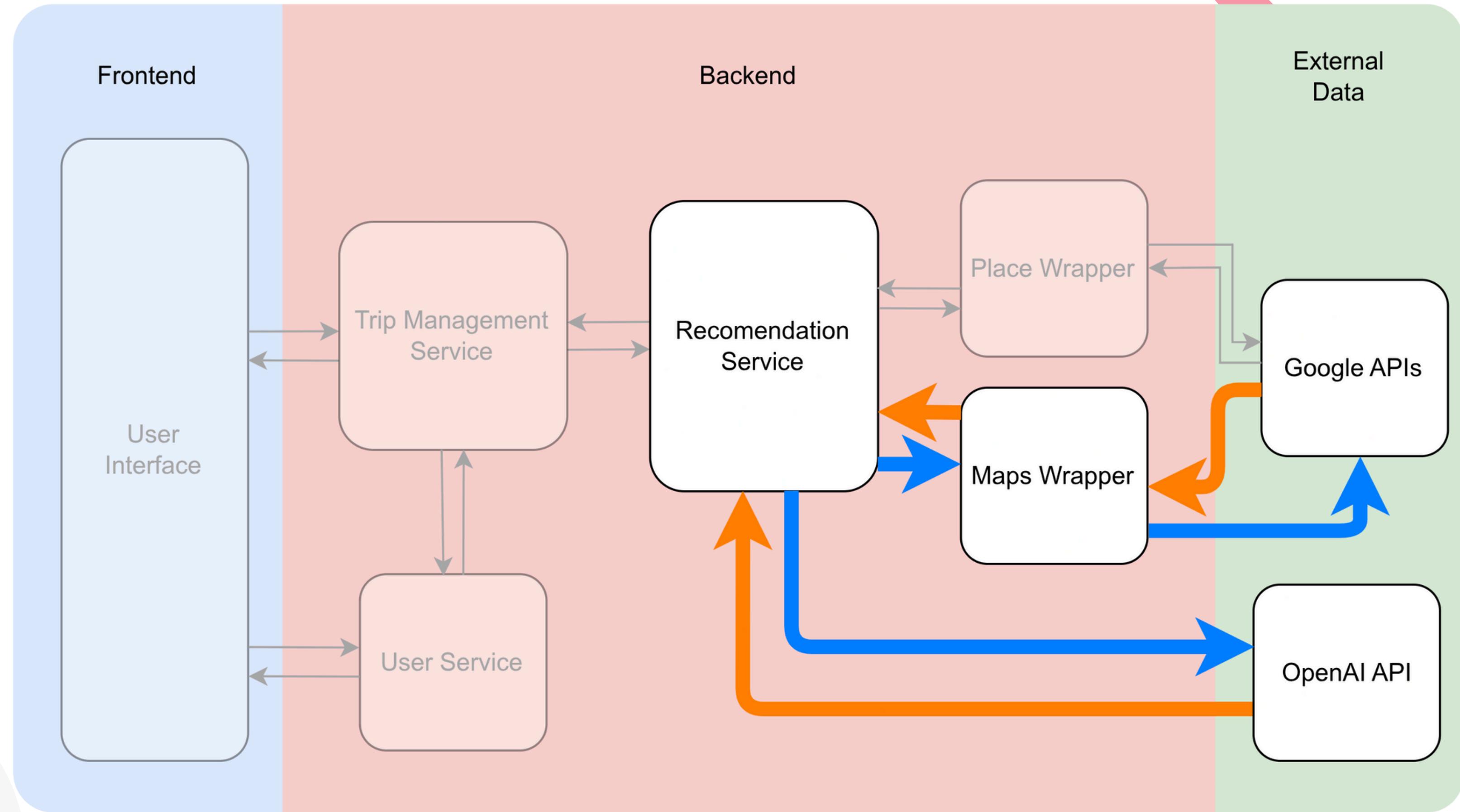
# Create a New Trip - Finish Trip Creation

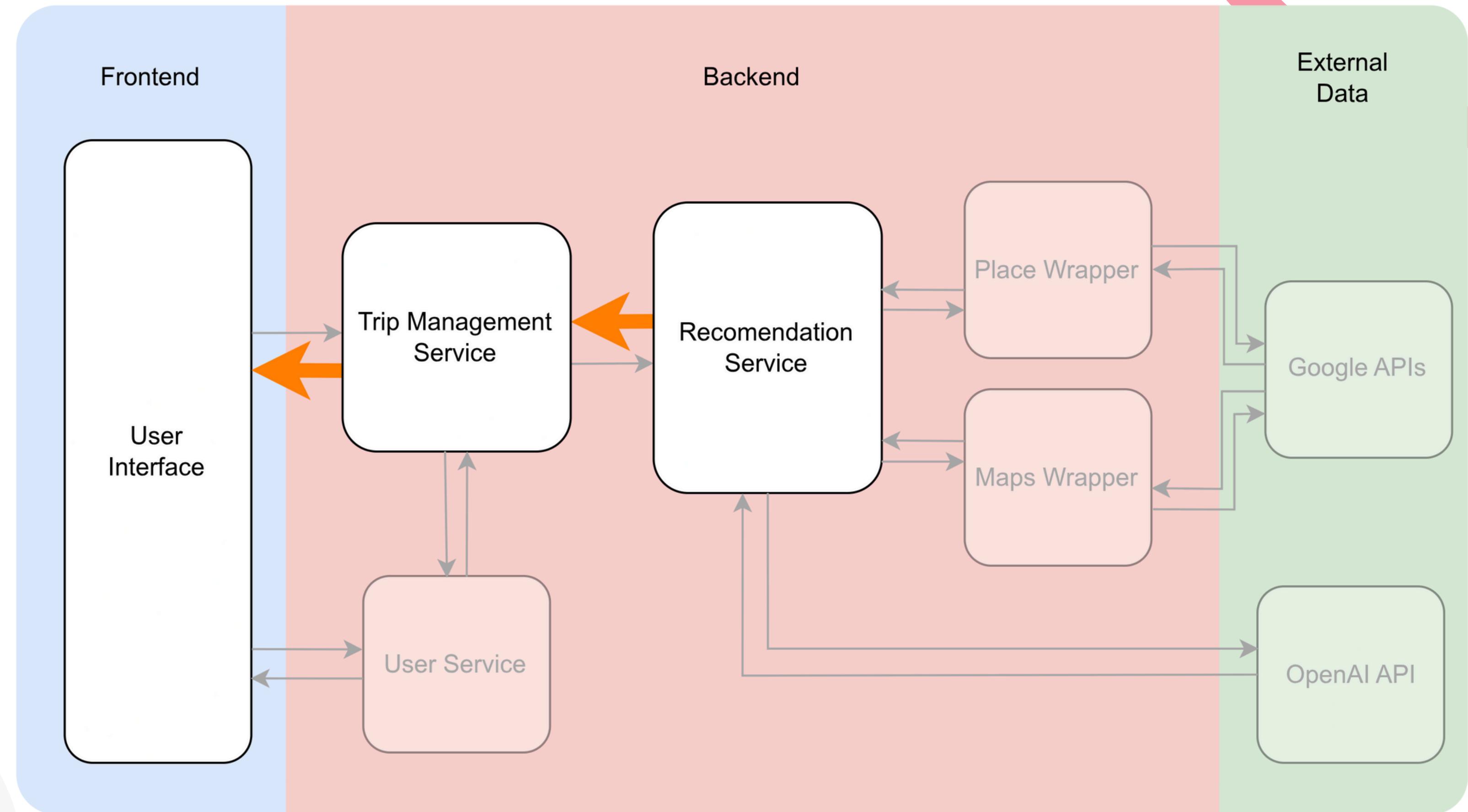


Creating your itinerary...

This may take up to 1 minute

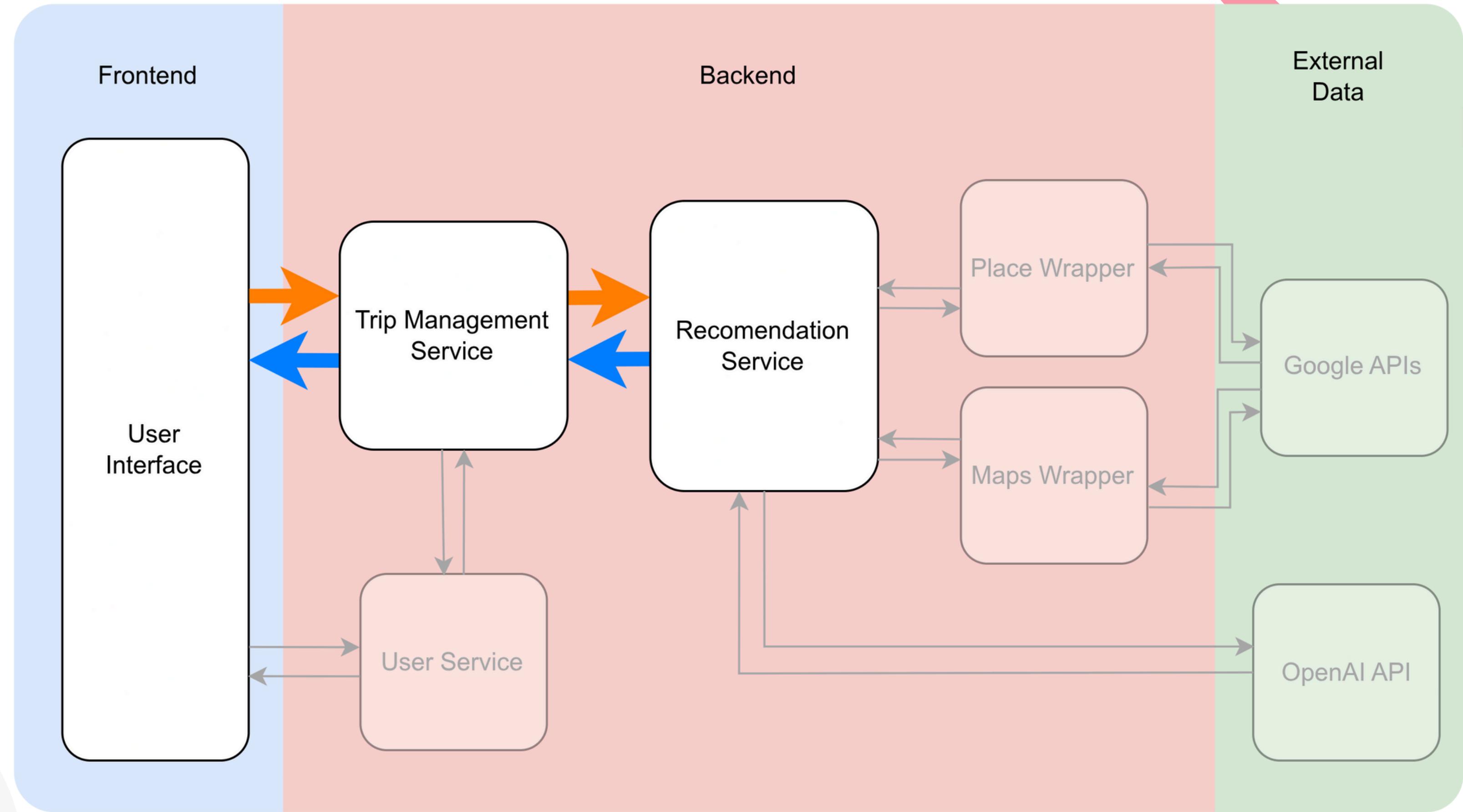






# Edit Itinerary - Reload and Delete an Activity

The screenshot shows the voyage app's travel planning interface. On the left, a sidebar for user Joao Almeida displays a profile picture, trip count (1), friend count (7), and country count (1). It also includes a red 'Create' button and links for Trips, Saved, and Friends. At the bottom are Logout and Settings buttons. The main area shows a travel itinerary for 'Barcelona, Spain' over 3 days for 1 person. Day 1 includes stops at a Garden (11:30 AM - 12:30 PM) and Parc del Turó (01:00 PM - 04:00 PM). Day 2 includes stops at Palau de la Música Catalana (04:30 PM - 05:30 PM) and Palau Güell (08:00 PM - 10:00 PM). Day 3 starts at Via Augusta (3) and follows a route through various neighborhoods like Sant Pere, Santa Caterina i la Ribera (1), Gothic Quarter (4), and El Raval. The itinerary ends at Museu Nacional d'Art de Catalunya (MNAC) (5). A map on the right shows the route and surrounding landmarks like Sagrada Família and El Parc i la Llacuna del Poblenou.



2

# Edit Itinerary - Change Trip Preferences

**voyage**

Joao Almeida  
@joao

1 Trips   7 Friends   1 Countries

**Create**

Trips: 1  
Saved: 0  
Friends: 7

Logout   Settings

**Barcelona, Spain**

3 days | 1 person | Barcelona, Spain

**Preferences**

Day 1   Day 2   Day 3

- 1 HM Masaje Terapéutico Relax, Massage Therapeutic a Domicilio o en Studio. Descontracturantes Deportivos Quiromasajes
- 2 Ciutadella Park
- 3 Arc de Triomf
- 4 Casa Batlló

**Preferences Profile**  
Current Trip Profile (ID: 69)

How interested are you in experiencing local culture on this trip?  
(e.g., museums, art galleries, cultural performances)

1 2 3 4 5 6 7  
Not at all   Very much

How much do you want to include outdoor activities during this trip?  
(e.g., hiking, biking, exploring nature parks)

1 2 3 4 5 6 7  
Not at all   Very much

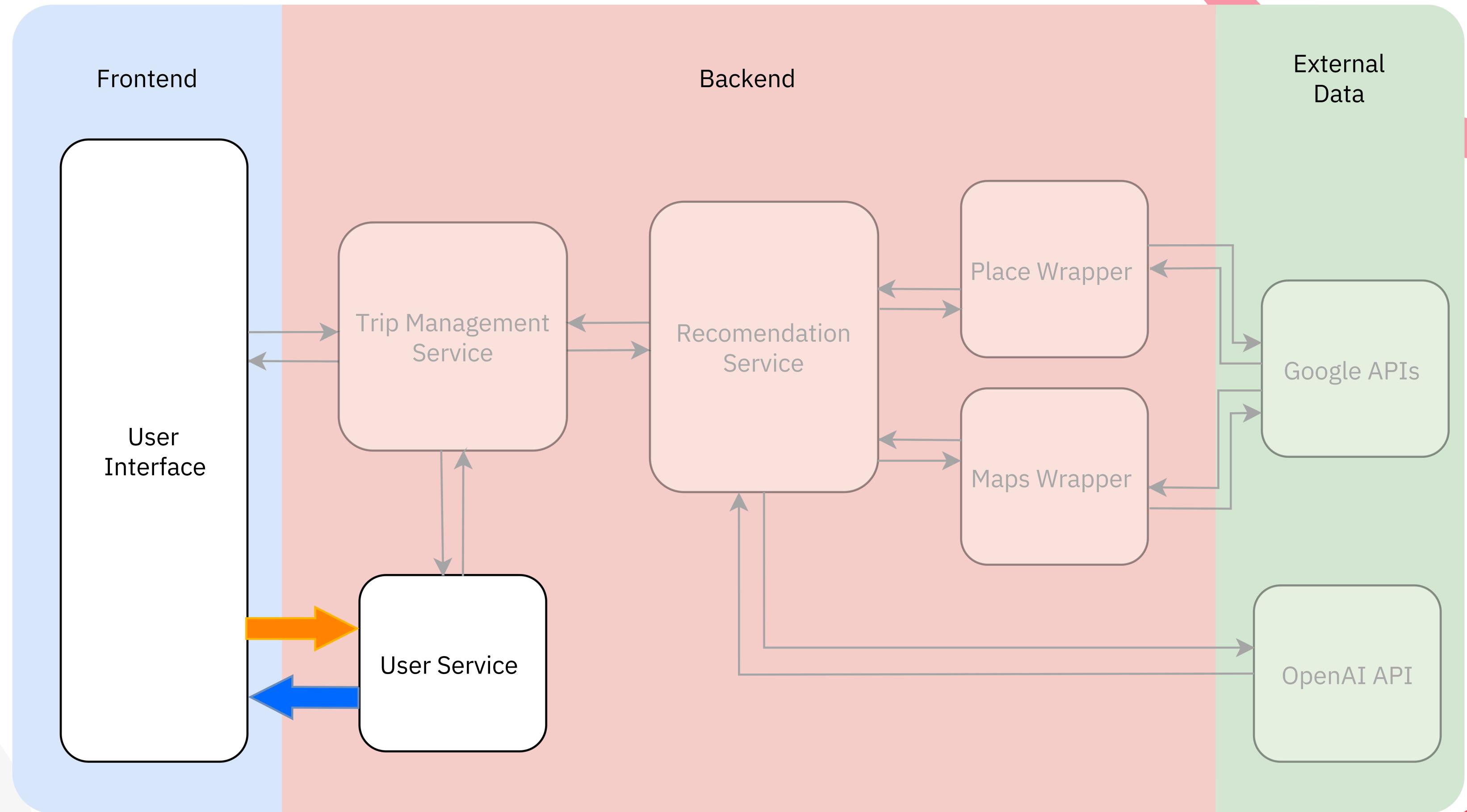
How adventurous do you want your trip to be?  
(e.g., exploring, extreme sports, active experiences)

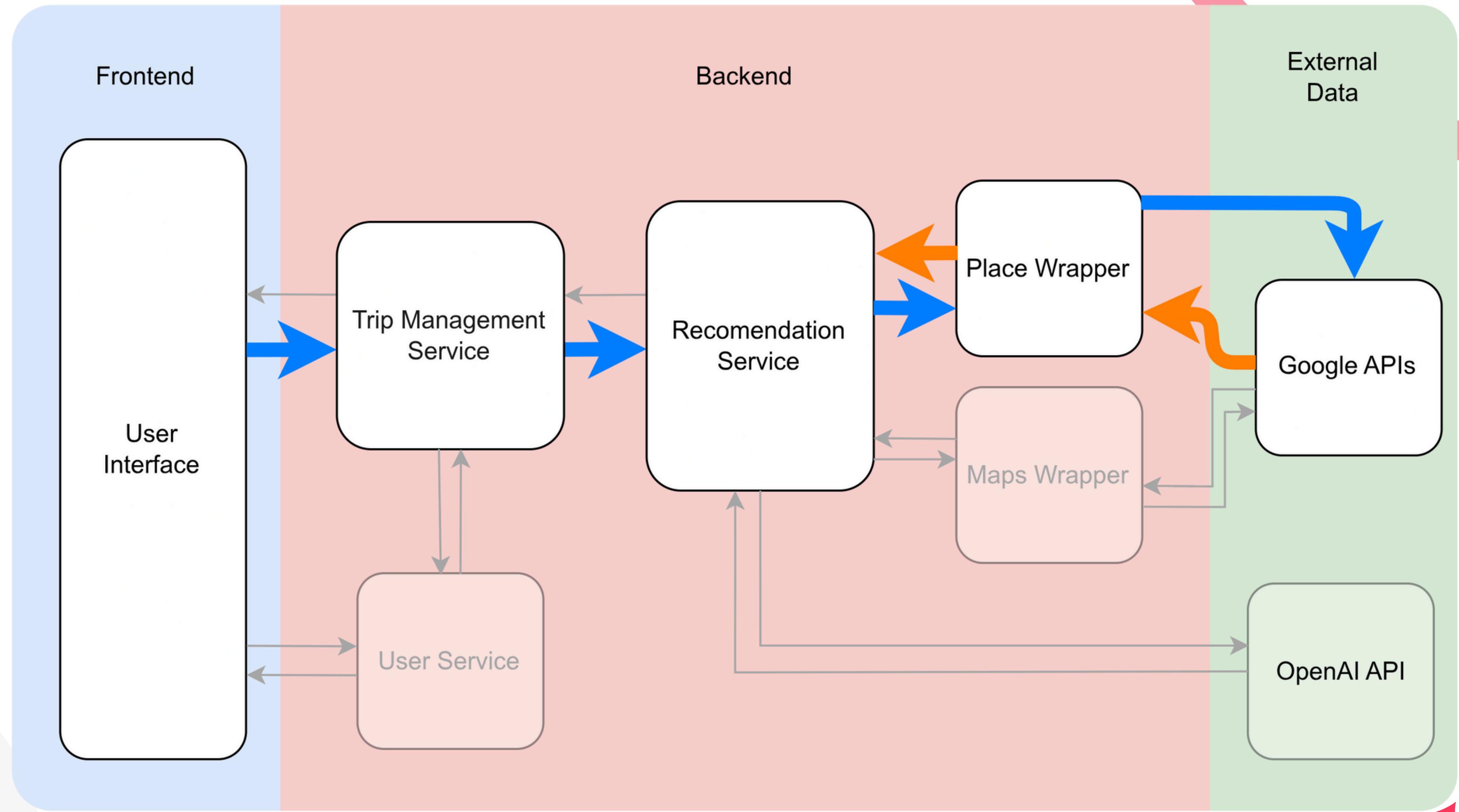
1 2 3 4 5 6 7  
Not at all   Very much

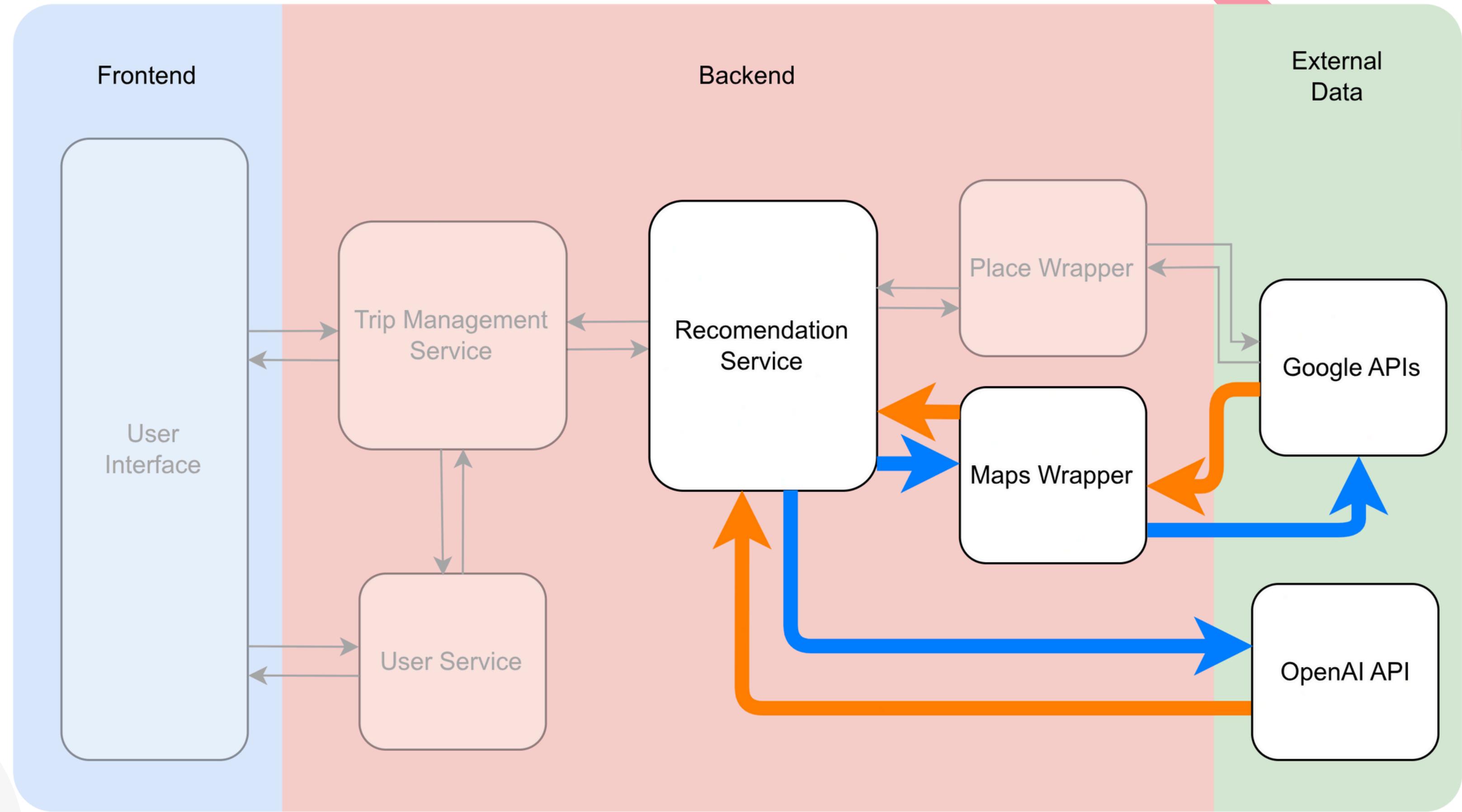
Are you looking to meet new people during this trip?  
(e.g., group tours, social events, nightlife, staying in hostels)

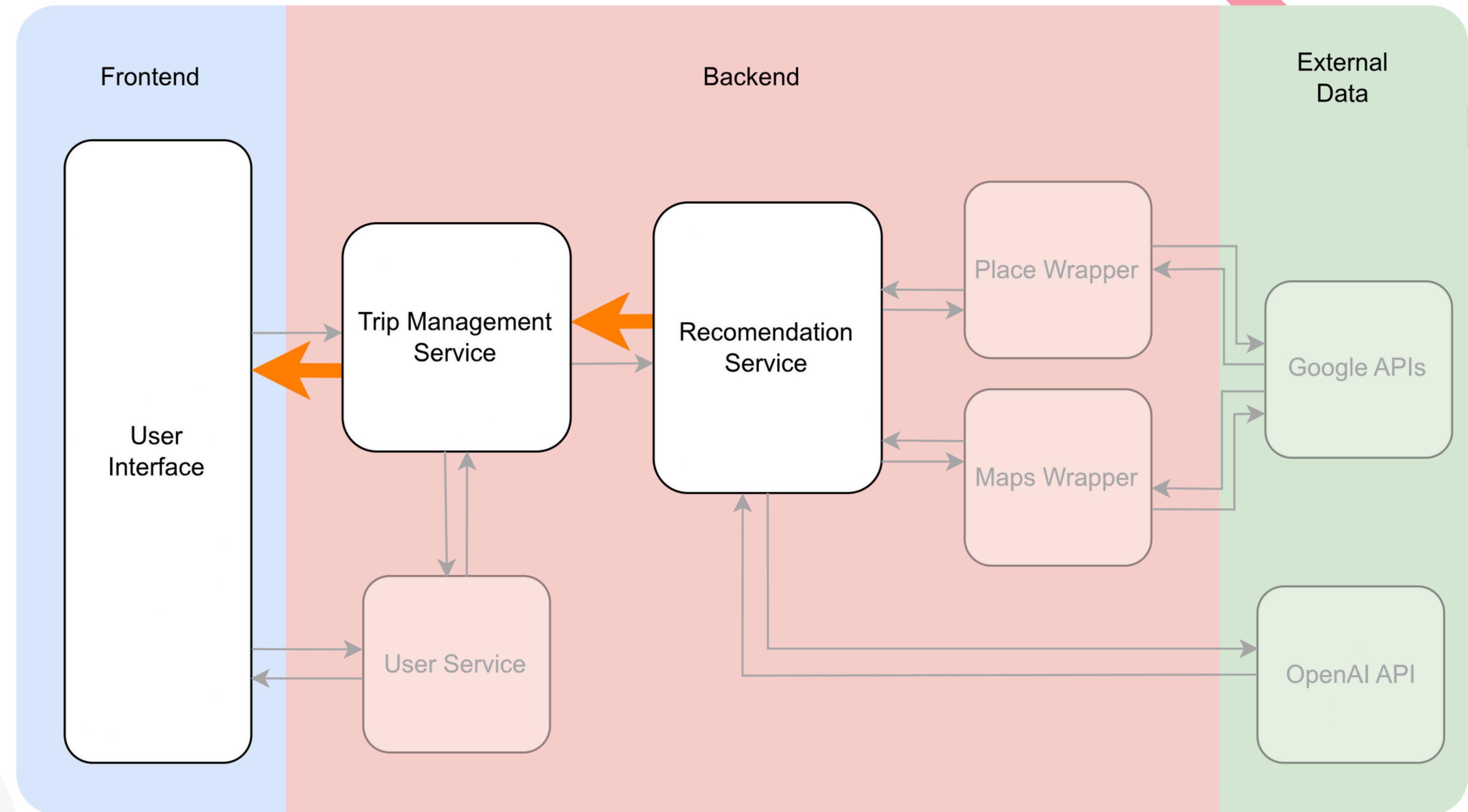
1 2 3 4 5 6 7  
Not at all   Very much

**Cancel** **Save & Update**









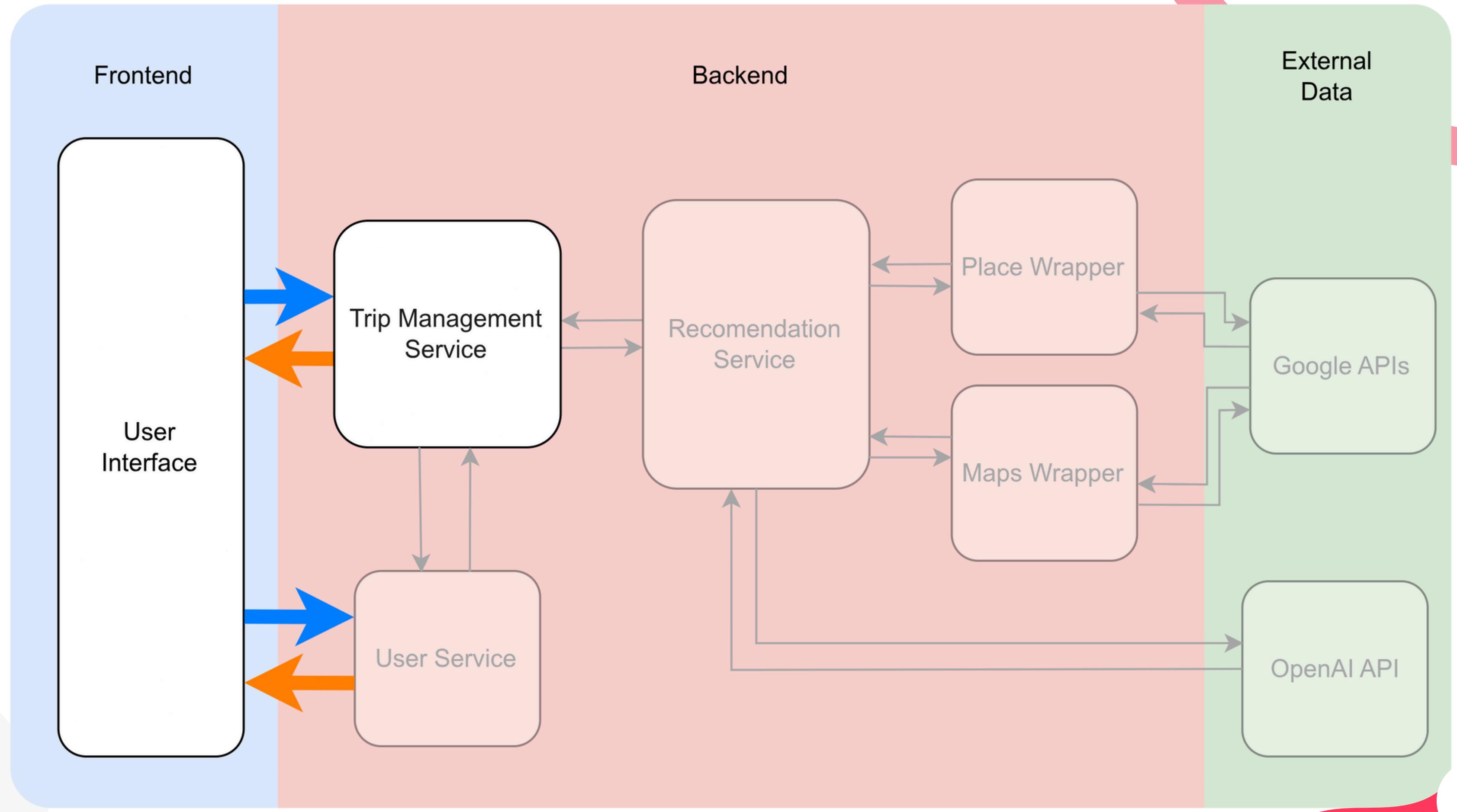
3

# Save the itinerary

The screenshot shows the voyage app interface for a trip to Barcelona, Spain. On the left, the user profile of Joao Almeida (@joao) is displayed, showing 1 trip, 7 friends, and 1 country visited. The main screen shows a map of Barcelona with a red route line and numbered pins indicating the itinerary. The route starts in the Eixample district (1), goes through Sants-Montjuïc (2), El Poble-sec (3), La Barceloneta (4), Ciutadella Park (5), and ends at the Arc de Triomf (6). The itinerary details for Day 1 are listed:

- 1 Ciutadella Park (09:00 AM - 10:00 AM, Park)
- 2 Arc de Triomf (10:15 AM - 10:45 AM, Attractions)
- 3 Plaça de Catalunya (11:00 AM - 12:00 PM, Plaza)
- 4 La Pedrera - Casa Milà (12:15 PM - 01:15 PM, Museum)

The map on the right shows the full route across the city, with the red line connecting the numbered pins.



# ENJOY!

**Joao Almeida**

@joao

**1**  
Trips    **7**  
Friends    **1**  
Countries

**+ Create**

**Trips**    **1**

**Saved**    **0**

**Friends**    **7**

**Logout**

**Settings**

**Barcelona, Spain**

3 days

1 person

Barcelona, Spain

Preferences

Day 1

Day 2

Day 3

Church

Parc del Laberint d'Horta  
10:30 AM - 12:30 PM  
City Hall

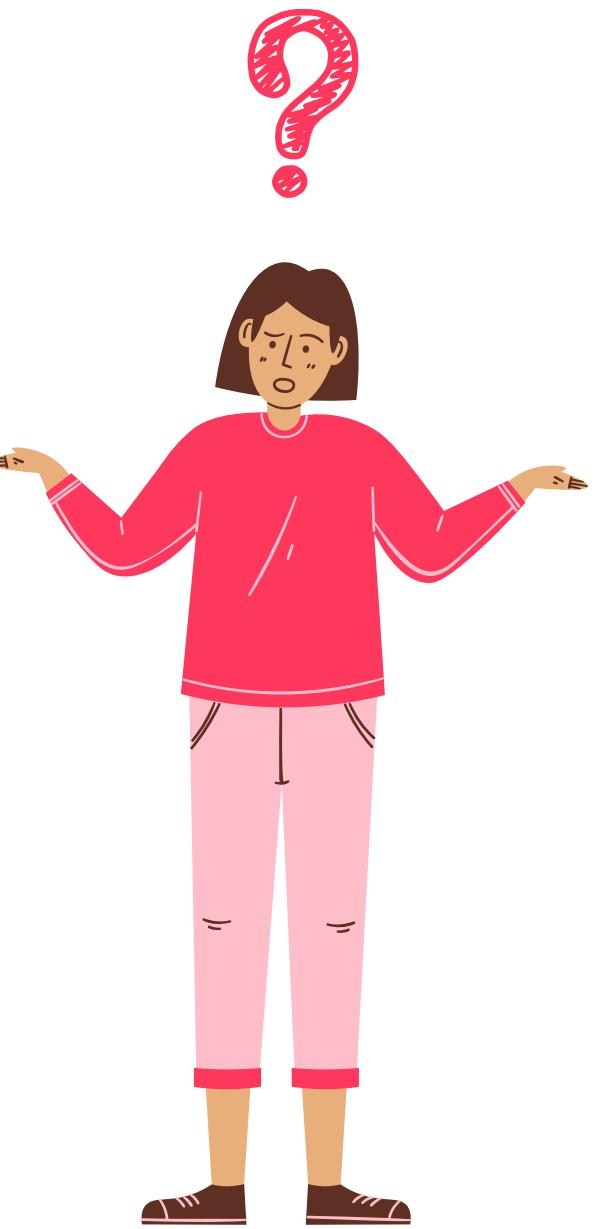
CosmoCaixa Museum of Science  
01:30 PM - 03:30 PM  
Museum

Montjuïc Castle  
04:00 PM - 05:30 PM  
Historical Place

Jardins de Mossèn Costa i Llobera

Keyboard shortcuts Map data ©2025 Google, Inst. Geogr. Nacional Terms Report a map error

What if the application  
isn't as **intuitive** as we  
thought?



What if the provided  
**itinerary suggestions**  
are not good?

The platform would lose all  
its value !!

# USABILITY TESTS

- 18 students, 2 teachers

## Tasks

- Login in the application
- Check a friend's profile
- Create a Place Group Trip with that friend
- Create two individual trips to the same place

## Evaluation

- Observation
- Post Task Questionnaire
- SUS (System Usability Scale)

I think it is likely I would use this system again \*

1 2 3 4 5

Totally Disagree      Totally Agree

I feel the results the platform provided me took very well into account my personal preferences \*

1 2 3 4 5

Totally Disagree      Totally Agree

I am happy with the quality of the results provided by the platform \*

1 2 3 4 5

Totally Disagree      Totally Agree

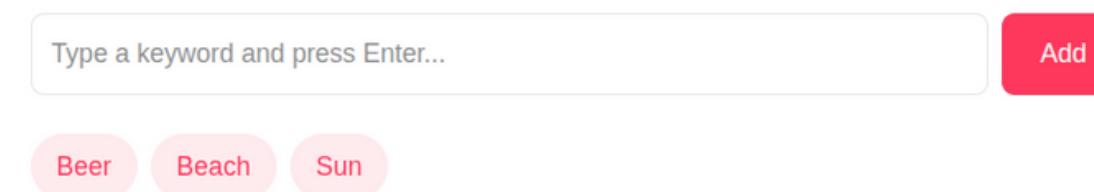
[OPTIONAL] Please leave any comments about the user experience provided by the application/system

Texto de resposta longa

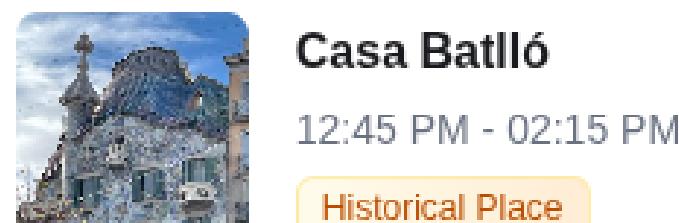
# FEEDBACK



Keyboard **input** for budgeting

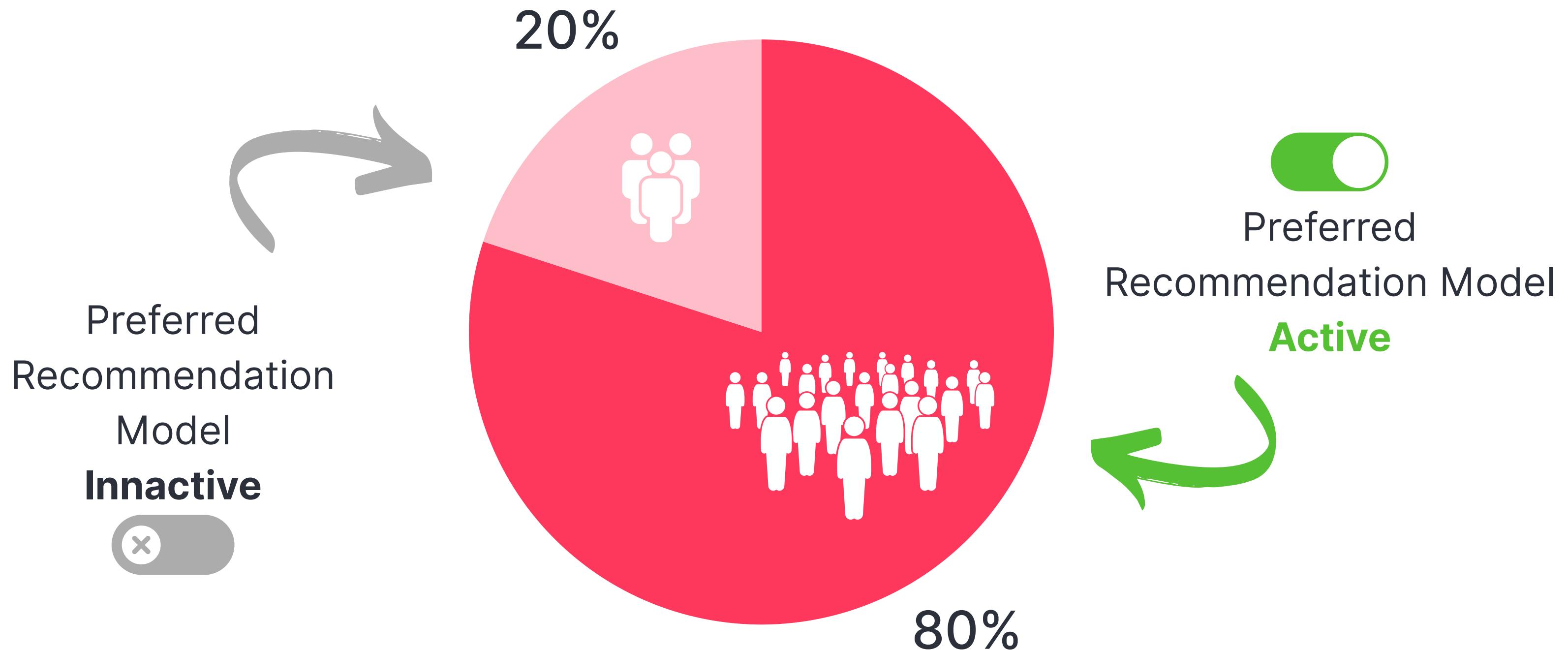


Add **button** to add keyword



Add **tags** to activities

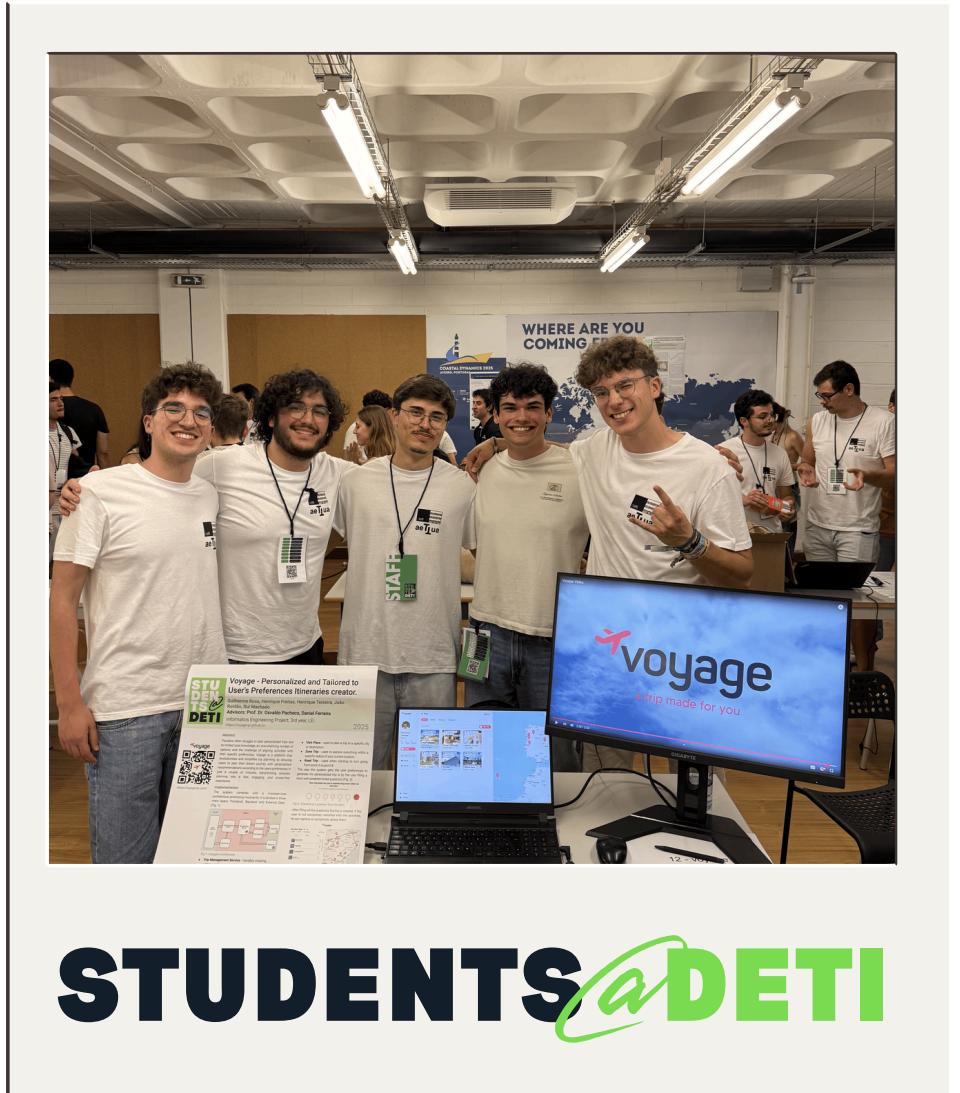
# VALIDATION



# CONCLUSION



# Mission Accomplished



# Deployed!

# Thank you!

The screenshot shows a web-based application interface for 'voyage'. At the top, there's a navigation bar with links for 'Milestones', 'Calendar', 'Meetings', and social sharing icons for 'GitHub' and 'Google Drive'. Below the header, a large banner features the text 'A Trip made for You Where Your Taste Shapes the Journey' in bold black and red font. A subtitle below it reads 'Because your taste deserves more than generic recommendations'. A 'Learn more' button is located at the bottom left of the banner. To the right of the banner is a stylized illustration of a person in a red shirt and black pants walking towards a white van, with a red airplane flying above them. The background of the main area is light gray.

<https://voyage-pi.github.io/> ← Documentation

Website → <https://voyage-pi.com/>





**[www.voyage-pi.com](http://www.voyage-pi.com)**

