



# FINAL PROJECT BSC COMPUTER SCIENCE

GroupTripper - A collaborative trip planner web app

Susanna Ventafridda, May 2023

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# Project proposal

As a final project, I am going to build a collaboration web application that allows to plan and track trips as a group more effectively: GroupTripper.

## Motivation for the project

Recent statistics about travel support the need for this application. According to TravelPerk [TravelPerk 2022], most American adults prefer booking their trips online, especially on their phones. Additionally, TravelPerk reports that travelers visit an average of 38 websites to complete and book their travel plans. Furthermore, TravelPerk highlights that the biggest frustration standing in the way of planning a trip is the need to compare different options.

GroupTripper aims to be the best social network application on the market that facilitates planning trips as a group online, minimizing the so called “analysis paralysis” associated with the planning process. The idea of developing this app comes from the personal experience of planning trips as a group of friends. Everyone has different date preferences, people post different options on a chat. There is no systematic way to track these options, and the result is that it takes forever to decide. With GroupTripper, instead, users can enter personal date and destination preferences and find common availability. GroupTripper recognizes its users’ needs: having to compare different trip options and overcome the “analysis paralysis”. Users can prepare different trip options, assign research tasks to their friends, and let friends vote to facilitate decision making. This way, GroupTripper allows to complete your trip plans faster.

## Literature review

In order to ensure that we develop a unique market proposition, we can start by analyzing the existing online competition.

To identify potential competitors, I have used the following keywords searches in Google: “trip planning website”, “website for planning trips as a group”, “group trip planning”. Through these keywords I have found a useful [online article](#), mentioning some of the apps listed below. The table below contains the competitors I have identified, in order of relevance. The table contains a brief description of the product, as well as strengths and weaknesses, which I gathered after exploring each website. Finally, for each solution I noted what features I would like GroupTripper to have, as well as opportunities for improvement.

| Relevance | Tool  | Pros   | Cons   | GroupTripper opportunities   |
|-----------|---|--|--|--|
| 1         | <a href="https://www.troupe.com/">https://www.troupe.com/</a><br><br>PLAN GROUP TRIPS WITHOUT THE HEADACHE.<br><br>Say goodbye to long email threads and group texts. Troupe is your one stop shop to | <ul style="list-style-type: none"><li>Specifically built to create a trip plan as a group.</li><li>The organizer sets a time window within which collaborators can propose dates, destination, stay, and activities. The organizer can then close the time window to propose and open a time window to</li></ul> | <ul style="list-style-type: none"><li>No section to propose options on transportation</li><li>Does not allow multi-destination trips</li><li>For each category, it only lets choose one item (one set of dates, one destination, one stay)</li></ul> | <ul style="list-style-type: none"><li>Expands on the features available but allow the group to propose full plans and vote on the whole</li><li>Add transportation options and multi-destination trips</li><li>Automatically save the chosen itinerary</li></ul> |

|   |  |   |   |  |
|---|--|---|---|--|
|   | <p>plan a group trip everyone will love.</p> <p>Invite friends to vote on important details like when to go, where to stay, and what to do. Now that's group travel untangled.</p> | <p>allow everyone to vote on the proposed options. Once this time window is closed, the option with highest votes is chosen. The organizer can then create an itinerary that includes only the chosen options.</p> <ul style="list-style-type: none"> <li>▪ Integrates with Expedia API to search for accommodation in app.</li> <li>▪ Lets you explore features before signing up</li> </ul> | <ul style="list-style-type: none"> <li>▪ Requires to manually create an itinerary instead of automatically building it from the choices made.</li> <li>▪ Only iOS App, no Android</li> <li>▪ Does not allow to vote on different trip proposals as a whole. Forces to first choose dates, then location etc. However, choosing dates in most cases depends on price for flights and hotels on the dates. Need to have visibility on the whole thing to decide.</li> <li>▪ Does not propose activities by location</li> <li>▪ <u><a href="#">SEO seems unoptimized.</a></u> People don't find the tool with keyword "trip planner" or "travel planner" as opposed to <u><a href="#">Wanderlog.com</a></u>.</li> <li>▪ Only advertises on YouTube and Pinterest</li> <li>▪ Only available in English (hence used only in English-speaking countries)</li> </ul> | <ul style="list-style-type: none"> <li>▪ Ensure the site can be found with common search terms used by Wanderlog.com "trip planner app", "travel planner app"</li> <li>▪ [After MVP] Integrate with TripAdvisor API to propose activities by location (potential revenue strategy via applying to affiliate links program) and / or <u><a href="#">Google Maps API (pricing)</a></u> to search for places nearby or free search with <u><a href="#">OpenStreetMap</a></u> or <u><a href="#">alternatives</a></u>.</li> <li>▪ Will make it available in different languages: Italian, Spanish, French to begin with.</li> </ul> |
| 2 | <a href="https://wanderlog.com/">https://wanderlog.com/</a>  | <ul style="list-style-type: none"> <li>▪ Good features to save plan itineraries, hotels,</li> </ul>   | <ul style="list-style-type: none"> <li>▪ Assumes that you have already decided on a</li> </ul>  | <ul style="list-style-type: none"> <li>▪ Allows to choose a destination together by comparing</li> </ul>   |

|   |   |  |  |   |
|---|---|--|--|---|
|   | You'll never travel without our trip planner again Build, organize, and map your itineraries in a free travel app designed for vacations & road trips | <p>transportations, and activities.</p> <ul style="list-style-type: none"> <li>▪ Activities recommendations</li> <li>▪ Scratch-map feature allows to save visited places with a pin</li> <li>▪ In-app search of hotels</li> <li>▪ Allows forwarding emails with bookings, parses content and adds to plan</li> <li>▪ Freemium plan. Pro features: adding attachments, rental car deals, dark mode</li> <li>▪ <u>Good SEO</u>: people find the site by googling “trip planner”, “itinerary planner”, “travel planner”</li> <li>▪ Good advertisement on Facebook, Reddit, Youtube, Instagram. Uses Google Adsense</li> <li>▪ Can add custom or default todo lists to each step of itinerary</li> </ul> | <p>destination and dates</p> <ul style="list-style-type: none"> <li>▪ Does not allow friends to vote on options</li> <li>▪ Scratch-map feature doesn't allow comparison with different friends. Would be nice to have pop up notifications recommending common destinations that friends want to visit.</li> <li>▪ No clear way to add friends from profile</li> <li>▪ Doesn't allow to assign status to trips and filtering by status.</li> <li>▪ Doesn't add completed trips to map automatically.</li> <li>▪ Requires sign-up before exploring features</li> <li>▪ Only available in English</li> </ul> | <p>different options as a group</p> <ul style="list-style-type: none"> <li>▪ [After MVP] Has scratch-map feature that allows to compare visited countries with friends</li> <li>▪ Allows to enter visited places and places you want to visit. Spots common desired destinations and proposes trips with notifications.</li> <li>▪ User friendly way to add friends</li> <li>▪ Have status field for trips and allow easy search (hide completed trips)</li> <li>▪ [After MVP] Will also use a freemium model</li> <li>▪ [After MVP] Will also advertise with Adsense and on Facebook, Insta, Youtube.</li> <li>▪ Will allow to add custom or default todo lists</li> <li>▪ Will allows users to explore features without signing up</li> </ul> |
| 3 | <a href="https://www.pilotplans.com/">https://www.pilotplans.com/</a><br>The Social Trip Planning Tool<br>To make the most of every trip              | <ul style="list-style-type: none"> <li>▪ Intuitive way to create a multi-destination travel plan, including accommodation, transportation, and activities</li> <li>▪ Adds chosen destination to a map</li> <li>▪ Intuitive to add friends</li> <li>▪ Allows to add noted and files</li> </ul>  | <ul style="list-style-type: none"> <li>▪ Does not recommend activities</li> <li>▪ Not though to collaborate and vote on a plan</li> <li>▪ <u>Not optimized SEO</u> – people don't reach the site via</li> </ul>  | <ul style="list-style-type: none"> <li>▪ Will leverage the intuitive design to add items to the trip plan</li> <li>▪ [After MVP] Will integrate the map view – automatically adding location on a map once the user adds them to the list.</li> </ul>   |

|   |   |   |  |  |
|---|---|---|--|--|
|   |   | <ul style="list-style-type: none"> <li>▪ In-app chat to discuss with friends added to the trip</li> <li>▪ Advertises on LinkedIn, YouTube, Facebook, Google Adsense</li> </ul>  | <ul style="list-style-type: none"> <li>▪ meaningful keywords</li> <li>▪ Only available in English</li> <li>▪ No Android App</li> </ul>   | <ul style="list-style-type: none"> <li>▪ Will implement integrated chat that allows discussing each trip with participants.</li> </ul>   |
| 4 | <p><a href="https://planify.io/">https://planify.io/</a></p> <p>“Plan, share, engage”</p> <p>Planify saves you time and removes the complexity of gathering information from multiple partners. Create an up-to-date, changeable and attractive plan to share with your participants.</p> | <ul style="list-style-type: none"> <li>▪ Allows to create a plan by entering start date and name of plan. Then allows to add activities with detailed description such as start and end datetime, type of activity (transportation, hotel check-in etc.).</li> <li>▪ Allows to download plan as a PDF.</li> <li>▪ Different languages supported</li> <li>▪ <a href="#">3 different payment plans</a> with 2 weeks trial</li> <li>▪ Has Android app</li> </ul> | <ul style="list-style-type: none"> <li>▪ No Group collaboration features.</li> <li>▪ Unintuitive UI to add activities and reorganize them (can't shuffle them once created)</li> <li>▪ Unfortunately, <a href="#">no web traffic statistics are available</a>.</li> <li>▪ Need to commit to a trial before being able to explore features</li> </ul> | <ul style="list-style-type: none"> <li>▪ Will integrate activities details like start and end time, address, URL, adding documents</li> <li>▪ Will allow to download plans as PDF (maybe premium feature)</li> </ul> |
| 5 | <p><a href="https://www.planharmony.com/">https://www.planharmony.com/</a></p> <p>Bring harmony to planning travel with friends</p>   | <ul style="list-style-type: none"> <li>▪ Free</li> <li>▪ Creates a calendar view that can be exported to Google calendar</li> <li>▪ Allows to browse activities by location (Trip Advisor API integration)</li> <li>▪ Trip budget and bill splitting functionality</li> <li>▪ Todo lists</li> <li>▪ Voting</li> <li>▪ Map view</li> </ul>   | <ul style="list-style-type: none"> <li>▪ No mobile version</li> <li>▪ Voting functionality only allows to add positive votes. No action is then taken with votes.</li> <li>▪ Feature proposing activities by location doesn't work (in beta)</li> </ul>  | <ul style="list-style-type: none"> <li>▪ Like the fact that there is one way to add events. One form in which based on the selected event category, one can fill in different fields.</li> </ul>                     |
| 6 | <p><a href="https://mitravelapp.com/">https://mitravelapp.com/</a></p> <p>MiTravel is a virtual planning board for travel enthusiasts and avid planners to collaboratively plan and visualize their best trips together.</p>  | <ul style="list-style-type: none"> <li>▪ Create polls to make decisions quickly</li> </ul>  | <ul style="list-style-type: none"> <li>▪ Limited features</li> <li>▪ Kanban board looks chaotic and does not finalize plan. More for brainstorming but format does not look like a tidy plan.</li> </ul>   | <ul style="list-style-type: none"> <li>▪ Will have custom poll functionality</li> </ul>  |

|   |  |  |   |   |
|---|--|--|---|---|
| 7 | <p><a href="https://travelmobi.li.com/">https://travelmobi.li.com/</a></p> <p>Providing travelers with an organizational tool that eliminates the headaches of gathering everyone's information.</p> <p>Mobili takes the hassle out of travel planning for individuals and groups! Track, manage and organize your trip details, accommodation and travel itinerary in one handy place. Traveling with a group? Share and compare your details side by side in real-time with everybody in the group, use the in-app messenger or see their location in real time! No more stress, no more fuss. Focus on your bags – we'll handle the rest!</p> | <ul style="list-style-type: none"> <li>▪ Allows to enter individual travel details per each group member (if travelers start from different places)</li> <li>▪ Allows to track group members position on the map at the time the trip is active</li> <li>▪ Spend tracking functionality</li> </ul> | <ul style="list-style-type: none"> <li>▪ No website, only apps</li> <li>▪ No voting capabilities</li> </ul> | <ul style="list-style-type: none"> <li>▪ Will include functionality to specify what group members participate to which activities (allow some activities to be shared only by a subset of group)</li> <li>▪ Will have spend tracking functionality</li> </ul> |
| 8 | <p><a href="https://www.tripit.com/web/free">https://www.tripit.com/web/free</a></p>   | <ul style="list-style-type: none"> <li>▪ Allows to enter dates and location of a trip and forward booking confirmations to an email address to create a trip plan that can be exported to calendar and shared</li> </ul>   | <ul style="list-style-type: none"> <li>▪ No group planning collaboration features</li> </ul>                | <ul style="list-style-type: none"> <li>▪ [After MVP] Will consider adding this feature, which is also present on Wanderlog.com</li> </ul>   |

|    |   |  |  |   |
|----|---|--|--|---|
|    |   | <ul style="list-style-type: none"> <li>▪ Freemium plan. Pro plan allows to track plane seats, notifies on plane ticket fares, check-in reminder, shares travel plan with friends, provides country specific travel information, allows to add documents, photos etc.</li> <li>▪ Multiple language support</li> </ul> |  |   |
| 9  | <p><a href="https://hoku.travel/">https://hoku.travel/</a></p> <p>Hoku   The best trip planner to organize travel with friends</p> <p>Our trip planner helps friends organize all travel-related plans and explore activities around the world, so you can spend less time planning your vacations.</p> |  | <ul style="list-style-type: none"> <li>▪ No website to try out functionality</li> <li>▪ Can't <a href="#">download the app</a> on <a href="#">PlayStore</a></li> </ul> | <ul style="list-style-type: none"> <li>▪ Will have both a website and [After MVP] an app for Android and iOS</li> </ul>   |
| 10 | <a href="https://github.com/hucki/grouptripper">https://github.com/hucki/grouptripper</a>   | <ul style="list-style-type: none"> <li>▪ Open source project found online that has functionality to add locations to a map with itinerary</li> </ul>   | <ul style="list-style-type: none"> <li>▪ No hosted service. Just a thesis project</li> </ul>   | <ul style="list-style-type: none"> <li>▪ Will assess if I can leverage any of their existing functionality, taking inspiration on displaying destinations on a map</li> </ul> |

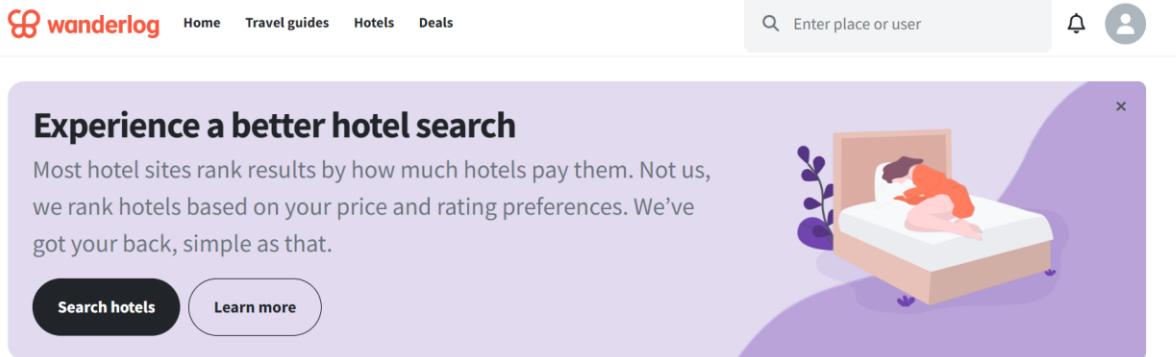
## References

- [1] TravelPerk. 2022. 60+ online travel booking statistics & trends. Retrieved May 18, 2023 from <https://www.travelperk.com/blog/online-travel-booking-statistics/>

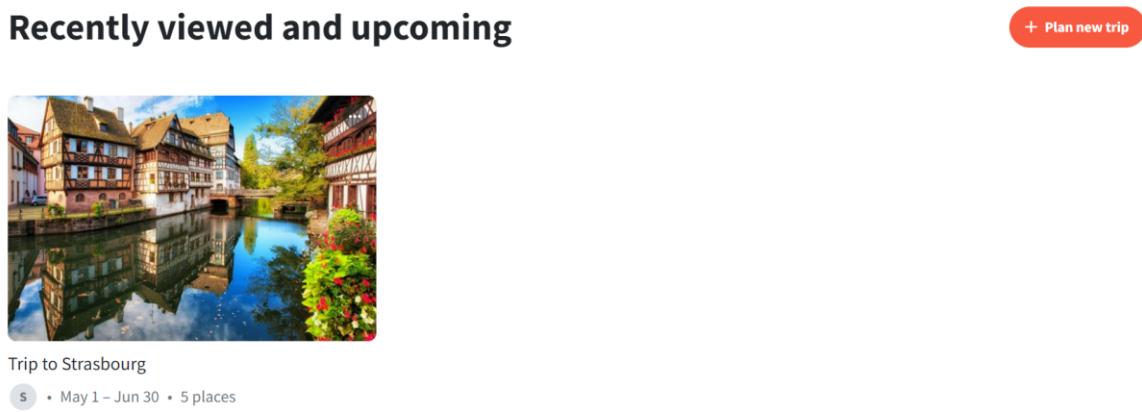
## Appendix

### Wanderlog

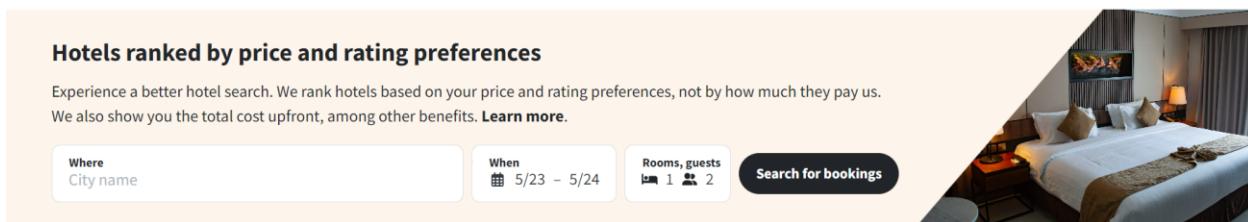
#### 1) Home



The banner features the Wanderlog logo and navigation links for Home, Travel guides, Hotels, and Deals. A search bar with placeholder text "Enter place or user" is positioned next to a bell icon and a user profile icon. The main headline reads "Experience a better hotel search". Below it, a subtext states: "Most hotel sites rank results by how much hotels pay them. Not us, we rank hotels based on your price and rating preferences. We've got your back, simple as that." Two buttons are at the bottom: "Search hotels" (dark background) and "Learn more" (light background).



A section titled "Recently viewed and upcoming" shows a thumbnail of a canal scene in Strasbourg with half-timbered houses reflected in the water. Below the thumbnail, the text "Trip to Strasbourg" and "May 1 – Jun 30 • 5 places" is displayed. A red button labeled "+ Plan new trip" is located in the top right corner.



A section titled "Hotels ranked by price and rating preferences" includes a subtext: "Experience a better hotel search. We rank hotels based on your price and rating preferences, not by how much they pay us. We also show you the total cost upfront, among other benefits. [Learn more](#)". It features four input fields: "Where" (City name), "When" (5/23 – 5/24), "Rooms, guests" (1 room, 2 guests), and a "Search for bookings" button. To the right is a photo of a modern hotel room.



A travel map interface showing a route across Europe. At the top left, there are two "2" counts for COUNTRIES and CITIES & REGIONS. A "Novice Explorer" badge is shown. On the right, there is a "Update map" button with a speech bubble icon.



**Your trips**

Trip to Strasbourg

S • May 1 – Jun 30 • 5 places

[+ Plan new trip](#)

**Your guides**

You don't have any guides yet. [Create a new guide](#).

[+ Create new guide](#)

## Explore

### Popular destinations



**Siem Reap Guide (Angkor Temples)**

I live in Bangkok and travel Southeast Asia extensively. This is a general guide covering the key...

Gary W

0 56

Allan Watt

6 days in Iceland

Our visit to San Francisco was part of a road trip we enjoyed on the Pacific West Coast of the USA startin...

Naomi Wuarbanaran

7 350

**San Francisco, USA**

Our visit to San Francisco was part of a road trip we enjoyed on the Pacific West Coast of the USA startin...

Allan Watt

6 days in Iceland

Our visit to San Francisco was part of a road trip we enjoyed on the Pacific West Coast of the USA startin...

Naomi Wuarbanaran



**6 days in Iceland**

We were in Iceland in February 2023 for 5 days. The tips and itenerary are applicable for every time of t...

Gary W

6 403

Allan Watt

Naomi Wuarbanaran

7 350

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**Wanderlog**

Blog

Report security issue

**Guides and resources**

Trip planners by destination

Road trips by destination

**Get the app**



2) Plan new trip

## Plan a new trip

**Where to?** e.g. Paris, Hawaii, Japan

Choose a destination to start planning

Dates (optional)

Start date

End date

+ Invite tripmates

Friends ▾

Friends

Public

Private

Start planning

Or write a new guide

l invito a un viaggio su Wanderlog. mail.it invited you to edit "Trip to Rome" on Wanderlog

✉️ Posta in arrivo x



Wanderlog <no-reply@wanderlog.com> [Annulla iscrizione](#)  
a me ▾

11:10 (1 minuto fa)



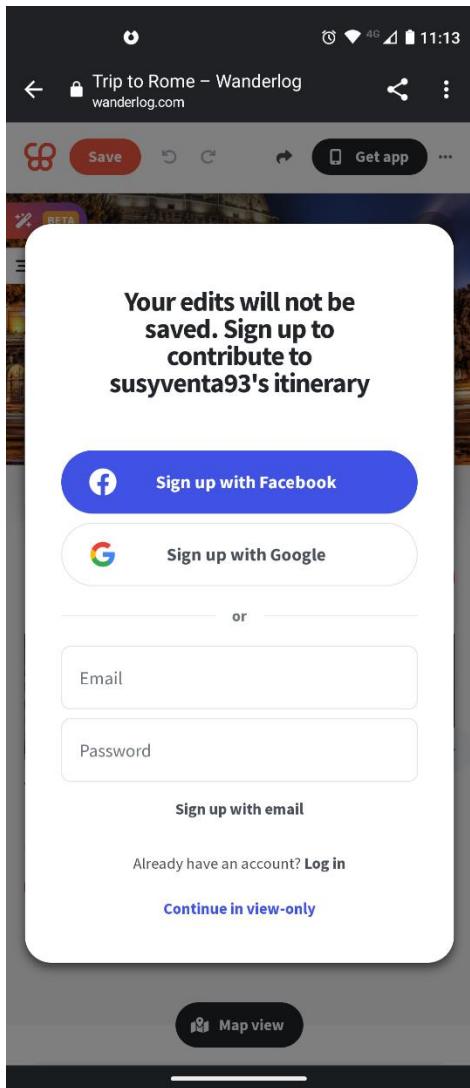
Hey there! [\[REDACTED\]](#) invited you to join the "Trip to Rome" trip plan on Wanderlog:

I'm planning my trip on Wanderlog and wanted to share it with you!

[Go to the trip](#)

Wanderlog lets you map and plan your trips with travel recommendations from your friends and from around the web. [Learn more](#).

If you don't know the inviter, please just ignore and delete this email; sorry for the bother!



SAVED    Undo    C Redo

Share    Get app    ...

**Trip Plan Assistant BETA**

## Overview

Explore  
Notes  
Places to visit  
Untitled

## Itinerary

| Date     | Description              | Source                     | Wanderlog |
|----------|--------------------------|----------------------------|-----------|
| Thu 6/1  |                          |                            |           |
| Fri 6/2  |                          |                            |           |
| Sat 6/3  |                          |                            |           |
| Sun 6/4  |                          |                            |           |
| Mon 6/5  |                          |                            |           |
| Tue 6/6  | Top places for Rome      | Most often-seen on the web | Wanderlog |
| Wed 6/7  | Best restaurants in Rome | Most often-seen on the web | Wanderlog |
| Thu 6/8  |                          |                            |           |
| Fri 6/9  |                          |                            |           |
| Sat 6/10 |                          |                            |           |
| Sun 6/11 |                          |                            |           |
| Mon 6/12 |                          |                            |           |
| Tue 6/13 |                          |                            |           |
| Wed 6/14 |                          |                            |           |
| Thu 6/15 |                          |                            |           |
| Fri 6/16 |                          |                            |           |
| Sat 6/17 |                          |                            |           |
| Sun 6/18 |                          |                            |           |
| Mon 6/19 |                          |                            |           |
| Tue 6/20 |                          |                            |           |
| Wed 6/21 |                          |                            |           |

## Explore

Browse all




Top places for Rome  
Most often-seen on the web

Best restaurants in Rome  
Most often-seen on the web

Wanderlog

## Reservations and attachments

Flights    Lodging    Rental cars    Attachment    Other

## Budgeting

\$0.00    View details

## Notes

Write or paste anything here: how to get around, tips and tricks

## Places to visit

Add a place

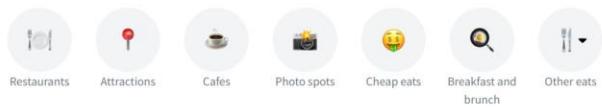
Map of the surrounding area of Rome, Italy, showing towns like Amelie, Narni, Stroncone, Corciano, Civita Castellana, Nepi, Calcata Vecchia, Sant'Oreste, Fiano Romano, Capena, Cesano Formello, Riano, Monterotondo, Palombara Sabina, Ponte Galeria, Ostia, Selcetta, Castel Romano, Pomezia, Torvaianica, Ardea, Tor San Lorenzo, Aprilia, Lido di Cincinato, Anzio, Marino, Ariccia, Velletri, and Cittaducale. A modal window is open on the map asking to type "Vatican Museums" and providing a link to "Top places for Rome".

← Explore

Rome

## Categories

See all



## Need a place to stay?

Where  
Rome

When  
6/1 - 7/31

Rooms, guests  
1 2

Search for bookings

## Top searches



## Featured guides

See all



Brandon Jackson's History & Architecture in Rome

Popular guide by a Wanderlog community member

Brandon Jackson

Purple & Yellow Backpackers's Lovely we...

Popular guide by a Wanderlog community member

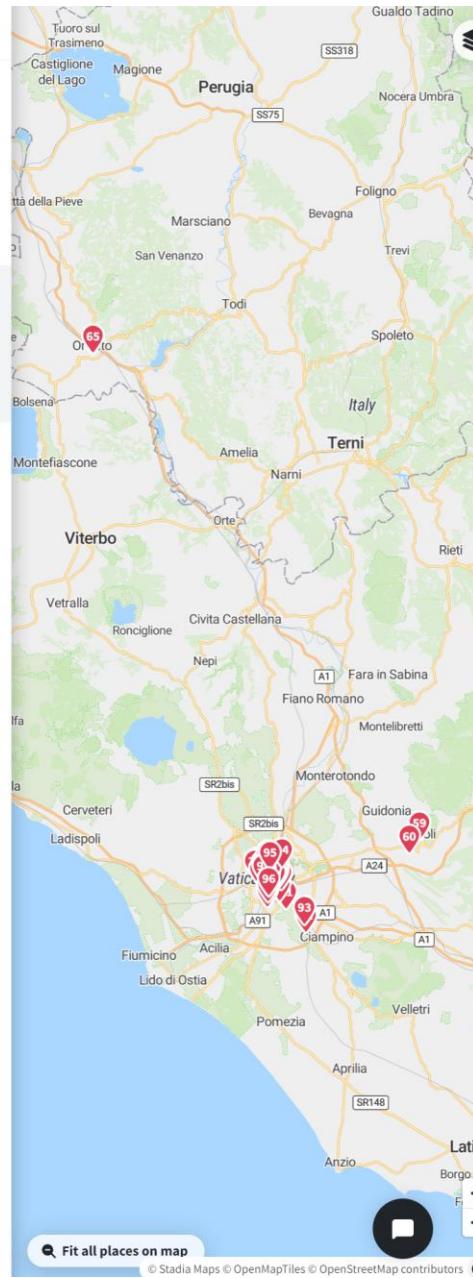
Purple & Yellow Backpackers

Francesca Brooking's How to Spend 4 Days in Rome,...

Popular guide by a Wanderlog community member

Francesca Brooking

## Multi-city stops



en-seen on the web

Most often-seen on the web

nderlog



Wanderlog

x

## Add your flights

Import your reservation details to your plan by forwarding your email. Or have it automatically synced by connecting your Gmail.



Forward email

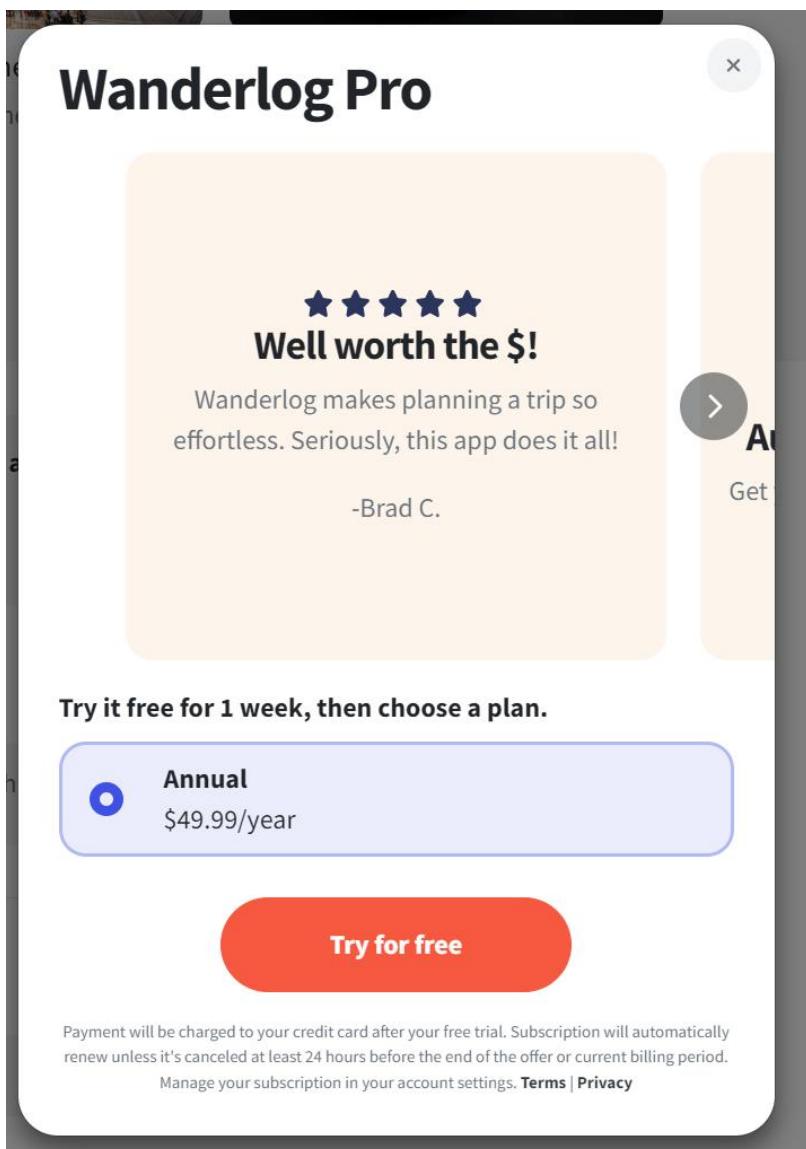


Sync with Gmail PRO

or

Airline *e.g. United Airlines or UA*

...



A promotional pop-up window for the Wanderlog Pro app. The title "Wanderlog Pro" is at the top left. Below it is a five-star rating icon followed by the text "Well worth the \$!". A quote from Brad C. is displayed: "Wanderlog makes planning a trip so effortless. Seriously, this app does it all!" To the right, there's a "Get" button and a "Annual" plan option. At the bottom is a large orange "Try for free" button.

**Wanderlog Pro**

★★★★★

**Well worth the \$!**

Wanderlog makes planning a trip so effortless. Seriously, this app does it all!

-Brad C.

Get

**Annual**  
\$49.99/year

**Try for free**

Payment will be charged to your credit card after your free trial. Subscription will automatically renew unless it's canceled at least 24 hours before the end of the offer or current billing period.  
Manage your subscription in your account settings. [Terms](#) | [Privacy](#)

**Wanderlog Pro**

**Unlock our premium features:**

- ✓ Offline access
- ✓ Flight and car rental deals
- ✓ Unlimited attachments
- ✓ Export to Google Maps
- ✓ Optimize route
- ✓ Auto Gmail scanning
- ✓ Dark mode in app

[See more](#)

Try it free for 1 week, then choose a plan.

**Annual**  
\$49.99/year

[Try for free](#)

Payment will be charged to your credit card after your free trial. Subscription will automatically renew unless it's canceled at least 24 hours before the end of the offer or current billing period.  
Manage your subscription in your account settings. [Terms](#) | [Privacy](#)

**Add rental cars**

**PRO ONLY DEAL**

Get exclusive discounts from our partners

**Hertz** UP TO 20% OFF   **AVIS** UP TO 35% OFF   **Budget** UP TO 35% OFF

or

Already booked your accommodations?



Forward email



Sync with Gmail **PRO**



Enter a city/airport

## Places to visit

...

Add a place

Add a note

Add a checklist

Add a place



### Recommended places



Colosseum



Trevi Fountain



# Budgeting

[+ Add expense](#)

\$0.00

[Set budget](#)[Debt summary](#)[View breakdown](#)[Add tripmate](#)[Settings](#)

## Expenses

Sort: Date ▾

You haven't added any expenses yet.



### Split expenses with friends

Add an expense, tell us who paid and whom to split it between – Wanderlog will track how much everyone owes automatically.

[Got it](#)

### Add expense

\$ 0

Select item >

Paid by: You ▾ Split: Don't split ▾

Date: Optional ▾

Save

### Select item

Select from your trip plan  
You don't have any places added yet

Or select from a category

|          |         |             |                |
|----------|---------|-------------|----------------|
| Flights  | Lodging | Car rental  | Public transit |
| Food     | Drinks  | Sightseeing | Activities     |
| Shopping | Gas     | Groceries   | Other          |

Profile





Add profile picture

Add your name  
@susyventa93

0 FOLLOWERS 0 FOLLOWING



Trip to Rome

 Jun 1 – Jul 31 • 0 places

Trip to Strasbourg

 May 1 – Jun 30 • 5 places

Trip plans Guides

Troupe



**Let's set up your trip!** ×

What have you decided?

Dates

Destinations

Stays

Nothing

**Continue**



## Finishing touches

X

Let travelers know what your trip is all about.

### Trip name

summer holidays at the seaside

30/100

Paragraph

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want to go to the seaside this summer

### Estimated travelers (optional)

Not including you, how many travelers do you think will join this trip?

4

### Add cover photo

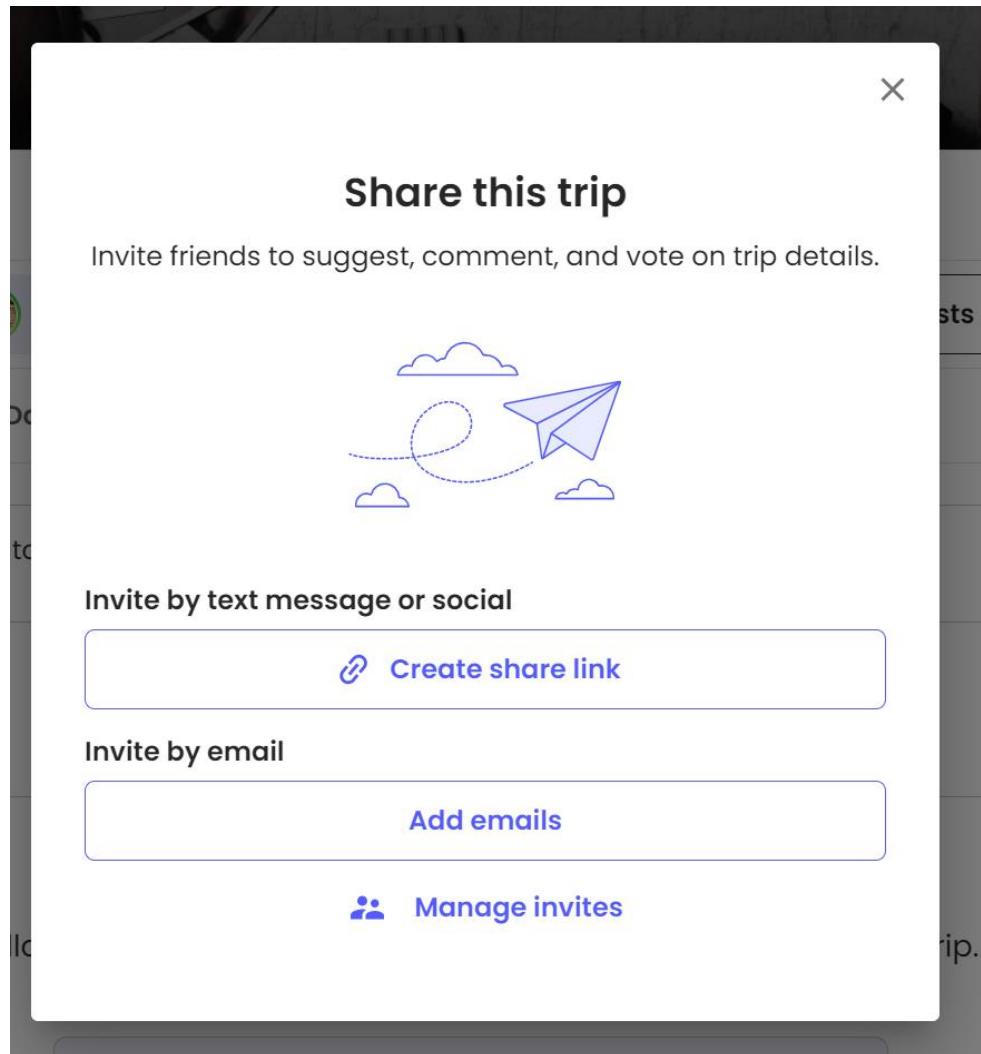
Cover photos help your group get excited about where you're headed.



Click the camera icon to add a custom photo

Back

Submit



You've been invited to join "summer holidays at the seaside" ▶ Posta in arrivo ×



SUSANNA VENTA (via Troupe) <concierge@troupe.com>  
a me ▾

12:30 (0 minuti fa)



# TROUPE



SUSANNA V. invited you to join a trip on Troupe

summer holidays at the seaside



test

Respond and let SUSANNA know if you can make the trip:

Going

Interested

## How does Troupe work?

Troupe is a group travel app that helps travelers suggest, vote, and decide on the most important parts of their trip.



**RSVP** to the trip



**Poll** your group



**Suggest** dates, destinations, stays, and activities



**Vote** on your favorites



**Build** your itinerary



**Vote** on your favorites



**Build** your itinerary

Want to see what's been planned so far?

[Explore and RSVP](#)

Safe travels,

**The Troupe Team**



---

Sent from **Troupe HQ**

12 E. 49th Street, New York, NY 10017



## Suggest dates

X

Suggest start and end dates for your group's upcoming trip.

### Suggestion 1

Start date  
05/09/2023

End date  
05/13/2023



### Suggestion 2

Start date

End date



[+ Add more dates](#)

Save

## summer holidays at the seaside

SUSANNA Planner + Invite Broadcasts

Overview Polls Dates Destinations Stays Activities Itinerary Notes

**Dates**

Suggest new dates using the "+ Add dates" button below.

1 Suggest dates — 2 Vote — 3 Finalize dates

+ Add dates

Sort: Earliest start date

1 date

4 Nights

Tue. **May 9** > Sat. **May 13**  
2023 2023

See 0 comments

**Next step: open voting**

Start collecting votes from travelers you've invited to the trip.

**Open voting**

**Skip voting**

## Add a destination

X

Suggest a destination for your upcoming trip.

Where to?\*

Tuscany, Italy

X

Add a comment

Comment



Click the camera icon to add a custom photo

Save

## Planify.io

The screenshot shows the Planify.io manager interface. At the top, there's a navigation bar with links like Tools, Training, SD, Tableau, ATS, DBs, Dev Dsk, uni, BI, career, Projects, Interviews, and mgmt material. A message indicates a free trial version with 13 days left. There are also 'Upgrade' and language selection ('EN') buttons.

The main area features a modal window titled 'Create your plan / travel'. Inside the modal, there are several input fields:

- \* Name your plan / travel itinerary: A text input field with placeholder text 'Edit the name of your travel (ideally, less than 32 characters)'.
- \* Start date: A date input field with a placeholder 'Start time:' and a calendar icon.
- Description: A text area with placeholder text 'You can add a description of the travel here'.
- Tags: An input field for adding tags.
- Add a cover picture: A placeholder image with a '+' icon and 'Upload' text.
- Add your logo: Text indicating it's premium only, with a red 'UPGRADE' button.

At the bottom right of the modal is a red 'Next' button.

Free trial version (day(s) left: 13) [Upgrade](#)

[Installation Stats](#)

EN Support Susanna V

< Dashboard / summer holidays Your data are automatically saved!

**Agenda**

May 22, 2023 22/05/2023

walking tour (2)

hotel

+ Add

\* Activity name: walking tour

Type of activity: Free Time

Short description: Add a short description

Add a picture: + Upload

Long description: You can add a long description of the activity here

Start time: 22/05/20 End time: 22/05/20  
16:17 16:17

Use 24 hours format Use 24 hours format

Address: Type the name ... Additional address: Type the name ...

Add Website URL [Add Website...](#)

**CONTRIBUTORS / GUIDES / SPEAKERS**

[+ Create and link an activity contributor](#)

**ADD A DOCUMENT**

Click or drag file to this area to upload  
Support for a single or bulk upload. Avoid uploading company data or other confidential files

**PDF PREVIEW**

May 22, 2023

**summer holidays**

**P Program:**

Monday 22nd May 2023

16:17 - walking tour  
16:17 Free Time

16:17 hotel

## Consent for Cookies

We use cookies to improve the user experience, measure audience and maintain the relationship with you. If you agree with this, please click "Accept"

Consents certified by  axeptio

Set up

Accept

 Cookies

## Upcoming Trips

 Create a trip



summer holidays



Create new trip

## Past Trips

Oh no! You have no past trips 😞

app.pilotplans.com/trips/-NVyZ0JFVwmd5elZPlyq/planner

Tools Training SD Tableau ATS DBs Dev Dsk uni BI career Projects Interviews mgmt material Other bookmark

**summer holidays** + Add Dates

Trip Plan Notes Files Saved

+ Add a trip photo

Visas & Requirements Export Your Trip Imported Files

**Lisbon** May 21st - 26th

Hôtel de Ville

+ Accommodation

New Heading May 22nd

bunjee

+ Activity + Heading

Departure Arrival

**Porto**

+ Add Dates

Add accommodation

New Heading + Add Dates

new activity

How disappointed would you be if you could no longer use Pilot?

- Very Disappointed
- Somewhat Disappointed
- Not Disappointed

## TripIt



Trips Support



### Edit Trip Info

Add a trip manually below or forward your confirmation emails to [plans@tripit.com](mailto:plans@tripit.com), and we'll create the trip for you.

Trip Name

summer holidays



Destination City \*

Paris, France

Change Photo

Crop Photo

Start Date \*

21/5/2023

End Date \*

21/5/2023

I am a traveler on this trip

[Cancel](#)

[Save](#)



#### Products

[Download the App](#)  
[TripIt](#)  
[TripIt Pro](#)  
[Help Center](#)

#### News & Resources

[Traveler Resource Center](#)  
[Blog](#)  
[Press](#)  
[Jobs](#)  
[User Agreement](#)  
[Privacy Statement](#)  
[Security](#)  
[Cookie Preferences](#)  
[Google Data Policy](#)

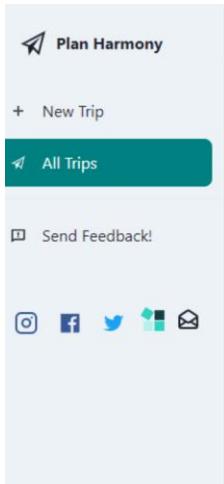
#### Partners

[Supported Booking Sites](#)



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## Planharmony.com



### Upcoming Trips



Start Planning a  
New Trip

It doesn't matter where you're going,  
it's who you have beside you

[Get Planning →](#)



SV

The screenshot shows the Plan Harmony web application. On the left, there's a sidebar with a 'Plan Harmony' logo, a 'New Trip' button, 'All Trips' link, and a 'Send Feedback!' button. Below these are social sharing icons for Instagram, Facebook, Twitter, LinkedIn, and Email. The main area is titled 'Start Planning' and contains fields for destination ('lisbon'), departure date ('05/24/2023') and return date ('05/31/2023'), and a dropdown for time zone ('Europe/Berlin'). A note says 'Timezones are hard. Adding the right timezones will make viewing your trip much easier'. Below this is a 'Invite friends by email address' field with a note: 'Planning is better when you bring friends. Add their email addresses and hit enter to invite them to this trip'. At the bottom is a large green 'Get Planning →' button.

**Plan Harmony**

- + New Trip
- All Trips
- Calendar**
- Experiences NEW!
- Budget
- Checklists
- Map 0 Locations
- Settings
- Send Feedback!

**lisbon** Plan H

**Create Event**

hotel checkin

**May 24**

12:00 AM

1:00 AM

2:00 AM

3:00 AM

4:00 AM

5:00 AM

6:00 AM

7:00 AM

8:00 AM

9:00 AM

10:00 AM

11:00 AM

12:00 PM

1:00 PM

2:00 PM

3:00 PM

4:00 PM

5:00 PM

6:00 PM

7:00 PM

8:00 PM

9:00 PM

10:00 PM

11:00 PM

**SV** Guests attending this event

Add some color to your events

05/24/2023 12:00 AM Europe/Berlin → 05/24/2023 1:00 AM Europe/Berlin

All Day Event?

Event optional or pending decision  
A great way to make group decisions!

Add description & notes

Please save this event before uploading attachments

Upload unlimited file attachments. upgrade this trip to Plan Harmony Pro

Upgrade Now! →

Address

Confirmation Code

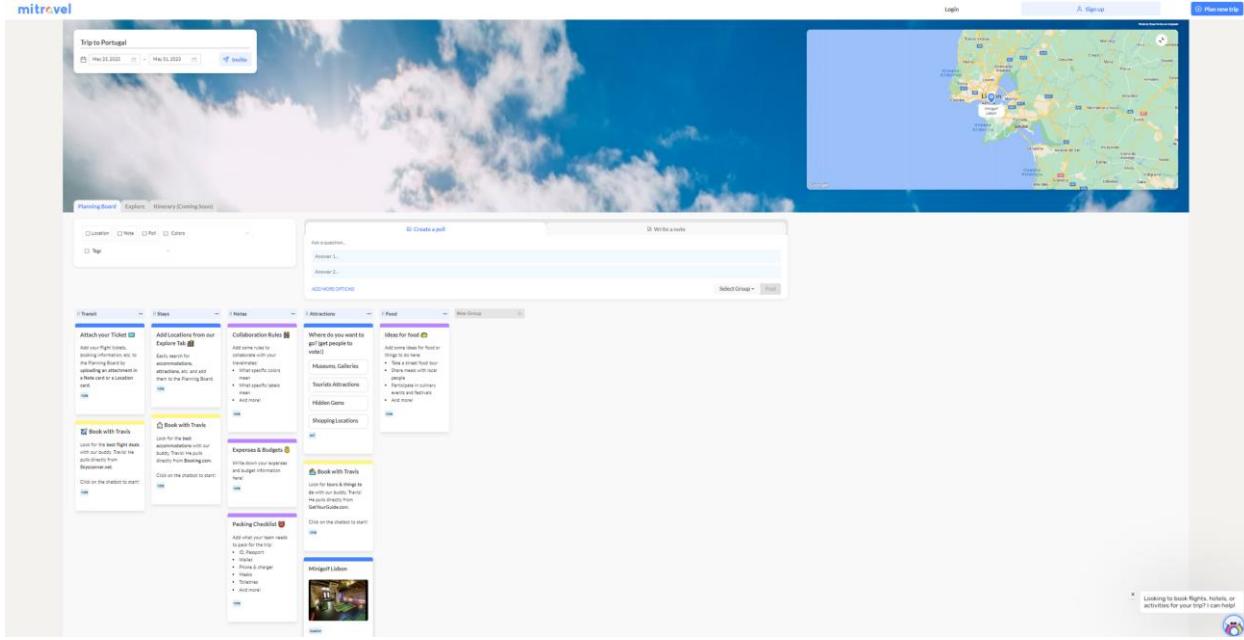
URL

\$ 100.00 Split Between SV

+ Track Additional Cost Upgrade this trip to Plan Harmony Pro for additional budget tracking

**Save Event** **Delete this Event**

## Mitravelapp



## Other aspects considered

Domain name

<https://seo-hacker.com/choose-right-domain-name/>

<https://www.domain.com/registration/?flow=domainDFE&tld=com&search=grouptripplanning#/domainDFE/1>

## Tech stack

Firebase

<https://cloud.google.com/identity-platform/pricing> free until 50k monthly users. Then e.g. 100k users = 550 euro/month. <https://firebase.google.com/pricing>

Firebase vs Google cloud <https://blog.back4app.com/firebase-vs-google-cloud/>

Heroku (to deploy Django) <https://www.heroku.com/pricing>

AWS EC2 small instance (Django + Elastic Beanstalk) <https://aws.amazon.com/ec2/dedicated-hosts/pricing/>

<https://firebase.google.com/docs/database/usage/limits> : 200,000 simultaneous connections. apps with 10 million monthly active users usually have fewer than 200,000 simultaneous connections.

- ➔ REST API with Firebase <https://firebase.google.com/docs/database/rest/start>
  - <https://deeppatel23.medium.com/rest-api-with-node-js-and-firebase-4d618f1bbc60>
- ➔ Flutter or ReactNative?
  - Flutter:

- create IOS + Android app from same codebase <https://blog.logrocket.com/32-free-flutter-templates-mobile-apps/#:~:text=It%20is%20written%20in%20Dart%20using%20Flutter>.
  - <https://foresightmobile.com/blog/a-single-codebase-for-mobile-and-web>
  - <https://blog.risingstack.com/flutter-crash-course-javascript/>
  - BUT: <https://www.simplilearn.com/tutorials/reactjs-tutorial/flutter-vs-react-native>
- ReactNative
    - [https://www.youtube.com/watch?v=gvkqT\\_Uoahw](https://www.youtube.com/watch?v=gvkqT_Uoahw)
    - <https://reactnative.dev/docs/environment-setup>
    - <https://reactnative.dev/docs/getting-started>

Legal aspects considered. Liability?

<https://guichet.public.lu/en/entreprises/creation-developpement/forme-juridique/societe-capitaux/sarl.html>