GlobeTrotter – Empowering Personalized Travel Planning

Overall Vision

The overarching vision for GlobeTrotter is to become a personalized, intelligent, and collaborative platform that transforms the way individuals plan and experience travel. The platform aims to empower users to dream, design, and organize trips with ease by offering an end-to-end travel planning tool that combines flexibility and interactivity. It envisions a world where users can explore global destinations, visualize their journeys through structured itineraries, make cost-effective decisions, and share their travel plans within a community—making travel planning as exciting as the trip itself.

Mission

The mission for the team is to build a user-centric, responsive application that simplifies the complexity of planning multi-city travel. The platform should provide travelers with intuitive tools to:
- Add and manage travel stops and durations
- Explore cities and activities of interest
- Estimate trip budgets automatically
- Visualize timelines and plans
- Share trip plans with others

This involves constructing a solution that is both functional and insightful, powered by a well-designed relational database and a smooth frontend experience. Teams must focus on enabling users to organize personalized trips efficiently, stay within budget, and enjoy full visibility of their journey.

Problem Statement

Dashboard

Design and develop a complete travel planning application where users can:
- Create customized multi-city itineraries
- Assign travel dates, activities, and budgets
- Discover activities and destinations through search

- Receive cost breakdowns and visual calendars
- Share their plans publicly or with friends

The application must demonstrate proper use of relational databases to store and retrieve complex travel data such as user-specific itineraries, stops, activities, and estimated expenses. The system should also support dynamic user interfaces that adapt to each user's trip flow

Features:

The application for GlobalTrotters will include the following comprehensive set of features, ensuring a rich and user-friendly experience across desktop or mobile platforms:

1. Login / Signup Screen
- Description: Entry point of the app allowing users to create or access their account.
- Purpose: Authenticate users to manage personal travel plans.
- Key Functionality/Components: Email & password fields, Login button, Signup link, "Forgot Password", basic validation.

2. Dashboard / Home Screen
- Description: Central hub showing upcoming trips, popular cities, and quick actions.
- Purpose: Allows users to navigate to their trips and explore inspiration.
- Key Functionality/Components: Welcome message, list of recent trips, "Plan New Trip" button, recommended destinations, budget highlights.

3. Create Trip Screen
- Description: Form to initiate a new trip by providing a name, travel dates, and a description.
- Purpose: Begins the process of creating a personalized travel plan.
- Key Functionality/Components: Trip name, start & end dates, trip description, cover photo upload (optional), save button.

4. My Trips (Trip List) Screen
- Description: List view of all trips created by the user with basic summary data.
- Purpose: Easily access and manage existing or upcoming trips.
- Key Functionality/Components: Trip cards showing name, date range, destination count, edit/view/delete actions.

5. Itinerary Builder Screen
- Description: Interface to add cities, dates, and activities for each stop.
- Purpose: Construct the full day-wise trip plan in an interactive format.

- Key Functionality/Components: "Add Stop" button, select city and travel dates, assign activities to each stop, reorder cities.

6. Itinerary View Screen
  - Description: Visual representation of the completed trip itinerary.
  - Purpose: Review the full plan in a structured format (timeline or grouped by cities).
  - Key Functionality/Components: Day-wise layout, city headers, activity blocks with time and cost, view mode toggle (calendar/list).

7. City Search
  - Description: Search interface to find and add cities to a trip, with info like country, cost index, and popularity.
  - Purpose: Discover and include relevant cities in the itinerary.
  - Key Functionality/Components: Search bar, list of cities with meta info, "Add to Trip" button, filter by country/region.

8. Activity Search
  - Description: Browse and select things to do in each stop, categorized by interest or cost.
  - Purpose: Enrich trips with experiences like sightseeing, food tours, or adventure activities.
  - Key Functionality/Components: Activity filters (type, cost, duration), add/remove buttons, quick view of description and images.

9. Trip Budget & Cost Breakdown Screen
  - Description: Summarized financial view showing estimated total cost and breakdowns.
  - Purpose: Helps travelers stay informed and within budget.
  - Key Functionality/Components: Cost breakdown by transport, stay, activities, meals; pie/bar charts, average cost per day, alerts for overbudget days.

10. Trip Calendar / Timeline Screen
  - Description: Calendar-based or vertical timeline view of the full itinerary.
  - Purpose: Helps users visualize the journey and daily plan flow.
  - Key Functionality/Components: Calendar component, expandable day views, drag-to-reorder activities, quick editing options.

11. Shared/Public Itinerary View Screen
  - Description: Public page displaying a sharable version of an itinerary.
  - Purpose: Allows others to view, get inspired, or copy the trip.
  - Key Functionality/Components: Public URL, itinerary summary, "Copy Trip" button, social media sharing, read-only view.

12. User Profile / Settings Screen
  - Description: User settings page to update profile information and preferences.
  - Purpose: Enables users to control their data, preferences, and privacy.

- Key Functionality/Components: Editable fields (name, photo, email), language preference, delete account, saved destinations list.
13. Admin / Analytics Dashboard
    - Description: Admin-only interface to track user trends, trip data, and platform usage.
    - Purpose: Helps in monitoring app adoption, popular cities, and user behavior.
    - Key Functionality/Components: Tables and charts of trips created, top cities/activities, user engagement stats, user management tools.

Screens:

Login Screen (Screen 1)

Photo

Username

Password

Login Button

Registration Screen (Screen 2)

Photo

First Name

Last Name

Email Address

Phone Number

City

Country

Additional Information ....

Register Users

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Banner Image

| Search bar ...... | Group by | Filter | Sort by... |

Top Regional Selections

Previous Trips

+ Plan a trip

Create a new Trip   (Screen 4)

GlobalTrotter

Plan a new trip

Start Date:

Select a Place :

Start Date:

End Date:

Suggestion for Places to Visit/Activites to preform

Build Itenary Screen   (Screen 5)

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Section 1:

All the necessary information about this section.
This can be anything like trave section, hotel or any other activity

| Date RAnge: xxx to yyy | Budget of this section |

Section 2:

All the necessary information about this section.
This can be anything like trave section, hotel or any other activity

| Date RAnge: xxx to yyy | Budget of this section |

Section 3:

All the necessary information about this section.
This can be anything like trave section, hotel or any other activity

| Date RAnge: xxx to yyy | Budget of this section |

+ Add another Section

User Trip Listing   (Screen 6)

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| Search bar ...... | Group by | Filter | Sort by... |

Ongoing

Short Over View of the Trip

Up-coming

Short Over View of the Trip

Completed

Short Over View of the Trip

Short Over View of the Trip

User Profile Pages   (Screen 7)

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Image of the User

User Details with appropriate option to edit those information....

Preplanned Trips

View	View	View

Previous Trips

View	View	View

Activity Search Pages / City Search Page   (Screen 8)

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Paragliding   Group by   Filter   Sort by...

Results

Option and its details

Option and its details

Option and its details

Option and its details

Option and its details

Option and its details

Option and its details

Itenary View Screenn with budget section   (Screen 9)

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Search bar ...... | Group by | Filter | Sort by...

Itenary for a selected place

Physical Activity   Expense

Day 1

Day 2

Community tab Screen   (Screen 10)
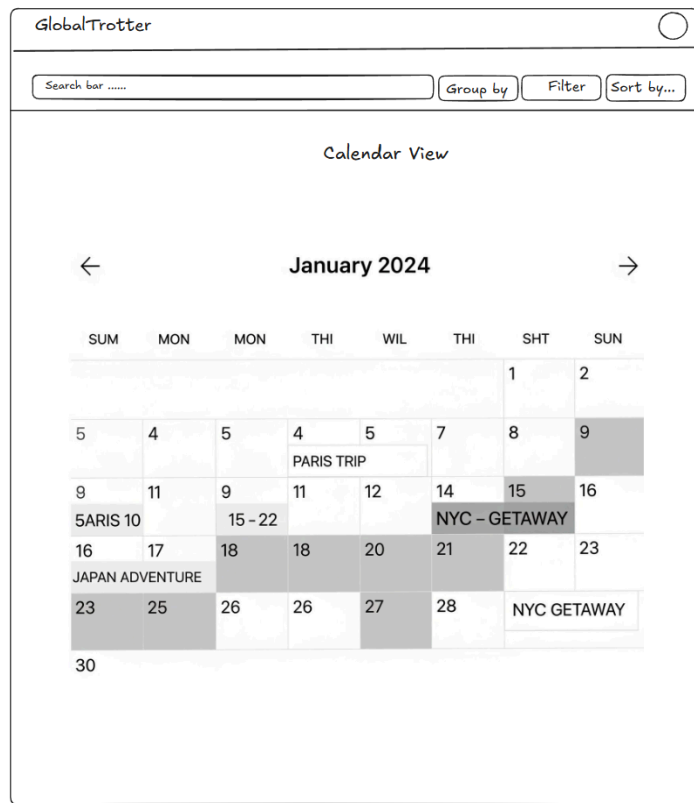
GlobalTrotter ⭕

Search bar ...... | Group by | Filter | Sort by...

Community tab

Calendar View Screen / Screen 11

GlobalTrotter

Search bar ...... | Group by | Filter | Sort by...

Calendar View

← January 2024 →

SUM	MON	MON	THI	WIL	THI	SHT	SUN
						1	2
5	4	5	4 PARIS TRIP	5	7	8	9
9 5ARIS 10	11	9 15 – 22	11	12	14 NYC – GETAWAY	15	16
16 JAPAN ADVENTURE	17	18	18	20	21	22	23
23	25	26	26	27	28	NYC GETAWAY	
30							

Admin Panel Screen / Screen 12

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Search bar ...... | Group by | Filter | Sort by...

| Manage Users | Popular cities | Popular Activites | User Trends and Analytics |

Screen - Feature relations

Screen 01 - Feature 1. go to 1
Screen 02 - Feature 1. go to 1
Screen 03 - Feature 2. go to 4,6,7,8,12
Screen 04 - Feature 3. go to 2,7,8,12
Screen 05 - Feature 5. go to 2,7,12
Screen 06 - Feature 4. go to 2,12
Screen 07 - Feature 12. go to 2,4,6
Screen 08 - Feature 7,8. go to 2,12
Screen 09 - Feature 6. go to 9,2,12
Screen 10 - Feature 11,add. go to 2,7,8,12
Screen 11 - Feature 10. go to 2,7,8,12
Screen 12 - Feature 13 go to 2,7,8,12 more
Additional screens,
       For all users: feature 9
       Screen 10: Community section where all the users can share their experience about a certain trip or activity.Using the search, groupby or filter and sortby option, the usercan narrow down the result that he is looking for...

       For admin: Manage User Section:This Section is responsible for the managing the users and their actionsThis section will the admin the access to view all the trips made by the user. Also other functionalities are welcome…
       Popular cities:Lists all the popular cities where the users are visiting based onthe current user trends.
       Popular Activites:List all the popular activites that the users are doing based on thecurrent user trend data
       User trends and Analytics:This section will major focus on the providing analysis accross various points and give useful information to the user