1. **App Name: Trouvel: Less Trouble for Travel**

2. **App Overview:**

Trouvel is a travel planning and booking application that allows users to create and initiate tours from anywhere in India to anywhere in India. The app facilitates seamless communication between tour initiators and participants, offering a secure platform for tour planning, booking, and tracking.

3. User Roles:

• Initiator:

• Can create and initiate tours.

• Required to fill mandatory fields.

• Can post tours for others to view.

• Receives messages and tour bookings.

• Participant:

• Can browse and view posted tours.

• Can book and pay for tours.

• Can communicate with initiators.

4. Functional Requirements:

4.1. Tour Initiation:

• Initiators must fill mandatory fields, including:

• Tour title

• Starting location

• Destination

• Dates

• Total cost

• Optional: Anonymity option

4.2. Posting Tours:

• Tours are visible to all users.

• Option for initiators to post anonymously.

• Users can filter and search for tours based on criteria.

4.3. Tour Details and Booking:

• Detailed view of each tour.

• Booking system integrated with secure payment options.

• Participants can view tour details before booking.

4.4. Messaging System:

• Initiators and participants can communicate within the app.

• Real-time notifications for new messages.

4.5. Journey Tracking:

• Display journey dates, return dates, and total cost.

• Real-time updates for participants.

• Option for initiators to update journey details.

4.6. User Profiles:

• User profiles for initiators and participants.

• Showcase initiated tours, booked tours, and messaging history.

4.7. Security:

• Secure user authentication.

• Encrypted payment transactions.

• Compliance with data protection regulations.

5. Wireframing and Design:

6. Technical Stack:

frontend and backend development. Include databases, programming languages, and any third-party APIs.

7. Assumptions and Constraints:

8. Future Enhancements:

9. Approval: