

BACKGROUND STUDIES

RESEARCH PAPER - 1

(Mobile Application Design for Solo Traveler: Travemate)

1. **User profile matching system:** It allows the users to get matched with other solo travellers based on their preferences.
2. **Wishlist:** Adding this feature will allow the users to add their favourite spot to wishlist and could make it their next travel spot.
3. **Budget Planner:** Help users plan their travel costs and compare them with potential partners.
4. **Emergency Contact Sharing:** Let users share their trip details and emergency contacts with friends or family.
5. **Location Tracking:** Enable real-time location sharing with trusted individuals during the trip.
6. **User Feedback:** Allow users to rate and review their travel partners after a trip, promoting trust and transparency.

RESEARCH PAPER - 2

(Overcoming the Language Barrier with Speech Translation Technology)

1. **Real-time Speech Translation-** real-time translation of spoken conversations between travellers and locals. This can facilitate communication in different languages, making it easier for users to navigate and interact during their travels.
2. **Multi-language Support-** app's translation capabilities to include not only widely spoken languages like English, Chinese, and Japanese but also support for less common languages, which could be a key differentiator for your app.
3. **Offline Translation-** Provide an offline mode for translation, allowing travellers to use the app without needing internet access, which can be crucial in areas with limited connectivity.
4. **Cultural and Regional Guidance-** Offer speech translation that also accounts for local dialects or cultural phrases, improving the accuracy and relevance of translations in various regions.

RESEARCH PAPER - 3

(Towards Designing Mobile Apps for Independent Travel: Exploring Current Barriers and Opportunities for Supporting Young Adults with Down's Syndrome).

1. **Emergency Call Button:** A quick-access button for emergencies, allowing immediate contact with parents or caregivers.
2. **Customizable Interface:** Adjustable text size, font style, and colour for better readability and ease of use.
3. **Accessible Public Transport Information:** Instructions on accessing public transport, ensuring users can confidently navigate buses or trains.
4. **Communication Assistance:** Features to facilitate interaction with public transport staff, like preset messages or visual aids.

Interview insights

Personalized Travel Suggestions

- **Customized Itineraries:** Generate personalized itineraries based on user preferences (e.g., nature-focused, historical sites, cultural experiences) with options to explore lesser-known local experiences (such as staying with local families rather than in hotels).
- **Tailored Recommendations:** Provide nature-oriented or culturally immersive travel destinations based on user interests, like traditional foods or historical places.

Safety Features

- **Safety Profiles for Locations:** Offer safety ratings for various neighborhoods, cities, or countries. Include common crime reports, local laws, and recommendations for safe travel.
- **Safety Alerts:** Push notifications about potential hazards or safety updates when traveling in a certain area.

Accommodation Recommendations

- **Cultural Accommodations:** Recommend local homes or culturally immersive stays instead of standard hotels for a more authentic experience.

