

Project Initialization and Planning Phase

Project Name:	TripTrek: Intelligent Travel Planning using Palm's Chat-Bison-001 Model
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Initial Project Planning

Development Tools and Technologies

- Programming languages (e.g., Python)
- Mobile app development frameworks (e.g. Flutter (for future scalable options))
- Cloud platforms (e.g., Google Cloud Platform)
- Pre-Trained LLM models (Mistral, Gemini, Ollama etc.)
- APIs (e.g., Google Generative AI API, Stream lit Web Framework)

Project Management Methodology

An Agile development methodology (e.g., Scrum) will be adopted to ensure flexibility and continuous improvement:

- Develop features in iterations (sprints)
- Prioritize tasks based on user needs and project goals
- Conduct regular reviews and incorporate feedback
- Jira Software is one such platform for Agile Development Workflow

Risk Management Plan

Potential risks include:

- Technical challenges in integrating AI technology
- Hallucinations and other problems related to generating content.
- Delays in project timeline due to unforeseen circumstances.
- Mitigation strategies will be established for each identified risk.

Research and Analysis: Conduct market research, user surveys, and competitor analysis to identify user needs and preferences. Identify the most travelled places and tune the model more accurately by using local – help.

Design and Development: Collaborate with travelers, bikers to get the location of most travelled local places which may or may not be available on the Google Maps for example. Also collaborate with business experts to ensure the generated itinerary is actually time efficient and including other helpful features too.

Testing and Iteration: Conduct rigorous testing phases to ensure functionality, usability, and security. Gather feedback from beta testers and as well as regular public to ensure people are actually comfortable with the user interface and as well as the responsiveness of the model as well for iterative improvements.

Launch and Marketing: Plan and advertise the application in the social media handles of different influencers as well as regular advertising agencies. Take feedback and reiterate with updates that are most useful to the general public as well as business professionals as well.