

Project Title: TravelMate – A Comprehensive Travel Planning Platform

Course: COMS 3190 – Spring 2025

Team: Team PS 03

Members:

- **Sageena Garg** (sg1807@iastate.edu)
- **Rishabh Jain** (rishabhj@iastate.edu)

Roles and Responsibilities

Instead of frontend/backend, responsibilities are split by features:

Feature	Owner
Login/Signup	Sageena
Explore Destinations (search, filter UI)	Sageena
Attraction Details (weather, media, reviews)	Both
Feedback System (rating + comment)	Rishabh
Weather Widget Integration (OpenWeatherMap API)	Rishabh
Final Testing & Deployment	Both

Technology Stack

- **Frontend:** React, React Router, Tailwind CSS
- **Backend:** Node.js, Express.js
- **Database:** MongoDB (via Mongoose)
- **API Integration:** OpenWeatherMap
- **Design Tools:** Figma, Excalidraw
- **Version Control:** GitLab

Key Features

- User authentication
 - Destination browsing and filtering
 - Detailed destination views with attractions, weather
 - User feedback submission (ratings and comments)
 - Weather data integration via API
 - Modular file structure with reusable components
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Expected Challenges

- Handling API failures or latency from OpenWeatherMap
- Managing asynchronous API calls and rendering delays
- Securing file uploads (if blog/itinerary storage is included)
- Testing and debugging real-time features like live weather
- Ensuring consistent UI across different devices