Functional Requirements

User Registration and Authentication

• User Registration: Allow new users to register by providing essential information, including email, password, and name.

• User Login: Implement authentication via email and password. Provide OAuth integration for logging in with Google or other third-party providers for convenience.

• Email Verification: Require email verification to activate accounts for improved security.

• Role Assignment: Assign user roles as either 'Tour Guide' or 'Tourist' during registration or profile setup.

• User Profile: Automatically create a user profile upon registration. Include fields like profile photo, bio and ratings.

Tourist Features

• Plan Suggestion: Suggest a personalized trip plan based on the tourist's preferences for activities, food, and experiences.

• Create Trip Post: Allow tourists to create a trip post to find a tour guide. Each post should include trip details (location, duration, activities), expected budget, and specific preferences.

• Proposal Management: Provide a dashboard for tourists to view and manage proposals submitted by tour guides. Include options to accept, reject, or request changes to proposals.

Tour Guide Features

• View Trip Postings: Enable tour guides to browse all upcoming trip posts. Provide filters by date, location, and budget for better usability.

• Submit Proposal: Allow tour guides to apply for trips by submitting proposals. Include options for salary negotiation.

Messaging System

• Real-Time Chat: Enable real-time messaging between tourists and tour guides after a proposal is accepted. Ensure conversations are private and secure.

Reviews & Ratings

• Mutual Reviews: Allow tourists to leave reviews and ratings for tour guides after completing a trip. Enable tour guides to rate and review tourists based on their experience. Display average ratings and reviews on profiles to promote transparency and trust.

Notification System

• Alerts and Updates: Notify users about new proposals, messages and trip updates.

Platform Moderation

• User Management: Allow administrators to view, suspend, or delete user accounts for policy violations.

• Content Moderation: Enable admins to monitor and moderate trip postings and reviews to ensure quality and compliance with platform rules.

Payment System

• Flexible Payment Methods: Support various payment methods, such as credit cards, PayPal, and local payment

options. Implement secure payment processing and escrow services for added security and fairness.