Proposal

BookNGo - Tour Booking System

Members:

Armughan Ather -   22k - 4416

Roohan Ahmed -   22k-4611

Team Leader:

Mohammad Shahmeer Ul Haq -   22k-4643

Advisor:

Mr. Zulfiqar Ali

Submission Date:

17th February 2025

Contents

1. Overview

The proposed project is a Hotel and Flight Booking Management System named "BookNGo," inspired by platforms such as Booking.com and Bookme.

- **Motivation:** To provide a comprehensive and streamlined booking experience for accommodations and travel options, making it easier for users to plan their trips efficiently.
- **Customer:** General public, frequent travelers, and businesses seeking a reliable booking platform.
- **Project Deliverable:** A fully-functional, database-driven application with MIS features, offering hotel and flight booking, modification, and cancellation services.
- **Timeline:** The project submission is scheduled for 30th April 2025.
- **Dependent Projects:** None currently, though real-time availability checking, fetching flights and hotels data, and promotional features might integrate with external systems.
- **Contributing Projects:** None currently, though real-time availability checking, fetching flights and hotels data will require APIs integration.

2. Project Detail

2.1 Project Goals
- **Functional Goals:**
  - Streamline the booking process by integrating hotel and flight reservations.
  - Enable users to search, modify, and cancel bookings seamlessly.
  - Provide real-time availability checks.
- **Technological Goals:**
  - Develop a secure login and authentication system with session management.
  - Build a robust backend with efficient database management.
- **Quality Goals:**
  - Ensure a user-friendly interface.
  - Maintain data integrity and accuracy in booking and cancellation processes.
- **Organizational Goals:**
  - Facilitate administrative control for accommodation and travel option management.
  - Support marketing strategies through promotions, discounts, and banner advertisements.
- **Other Goals:**
  - Offer vacation bundles for discounted bookings.
  - Allow users to rate services and view booking history.
- **Constraints:**
  - Adherence to booking cancellation policies and criteria.
  - Real-time synchronization with external accommodation and flight service providers.

2.2 Project Scope
- **Included Deliverables:**
  - User Interface Development.
  - Database Management.
  - User Account Management.
  - Booking and Reservation Management.
  - Admin Panel Development.
  - Promotional Features (discounts, banners, vacation bundles).
- **Excluded Deliverables:**
  - Development of proprietary payment gateway (assumes third-party integration).
  - Offline booking support.
  - Real data fetching through APIs (paid APIs available only)

2.3 Project Team

Name	Availability	Comment
Mohammad Shahmeer Ul Haq	Part-Time	Backend Development & Database Management
Roohan Ahmed	Part-Time	Frontend, Documentation, and Testing
Armughan Ather Siddiqui	Part-Time	Frontend Development & UI Design

2.4 Existing Work
- **Existing Solutions:**
  - Platforms like Booking.com and Bookme offer similar services but lack localized flexibility and integrated vacation packages.
- **Uniqueness of Project:**
  - BookNGo aims to provide a localized alternative with additional features such as customizable vacation bundles, banner advertisements for service providers, and enhanced administrative control.