MERN STACK RESERVATION BOOKING WEB APPLICATION SYNOPSIS

OBJECTIVES:-

The objective of this project is to create a hotel reservation booking application that allows users to search for hotels, view hotel information, and book a room using the MERN stack. This app should provide a seamless and user-friendly experience for customers to book their desired hotel reservation.
The primary object of this project is to create a MERN stack reservation application that meets the requirements of modern web development.This application will be designed to provide a seamless user experience, the project aims to develop a web application that can be easily integrated with third party services and API's, providing a platform for future expansion and integration.

TECHNOLOGY USED:-

- MongoDB: for storing hotel data and user information.
- ExpressJs: for building the server-side API and handling HTTP requests.
- ReactJs: for building client-side user interface.
- NodeJs: for running the server-side code.
- Bootstrap: for styling the user interface.
- CSS: for styling the HTML pages.

METHODOLOGY (WORKFLOW TO ACHIEVE THE RESULTS):-

- Plan and design the app architecture and user interface.
- Create a MongoDB database to store hotel and user data.
- Build an ExpressJS API for handling HTTP requests and connecting to the database.
- Build a ReactJS user interface for displaying hotel information and handling user input.
- Integrate all the components together and test the app for functionality
- Deploy the app to a web server and ensure it is secure and scalable

OUTCOMES:-

The outcome of this project will be a fully functional hotel reservation booking app that allows users to search for hotels, view hotel information, and book a room using the MERN stack. The app will be user-friendly and intuitive, with a seamless payment processing system using the Stripe API. The app will also be scalable and secure, ensuring that users' information is protected at all times.