FLATS BOOKING SYSTEM

PREPARED FOR

Jibran Rasheed

PREPARED BY

Hamza Asif
Osama Ahmed
Mustafa Rasheed
Aimen Shahid

PROJECT NAME	Flats Booking System			
STATUS	Completed	Designation	10 Aug 2020	
SUBMITTED TO	Jibran Rasheed Khan	Designation	Teacher	
EMAIL				

SUBMITTED BY	Hamza Asif (Leader)	Designation	Student
PHONE	+92-323-3256-861		University Of Karachi
EMAIL	Hamzaasif0987@gmail.com		

PROJECT OVERVIEW

A web application that will be used by builders and developers to keep track of all flats in project. Allowing users to save all the information about the flats, their customers and the installments of the related customer's flats. They can also save of the record of query customers. Moreover they can add multiple users and users can sign in to use the application.

Features

- User Login and registration
- Flats Details
- Customers Details
- Query Customers Details
- Installments Details
- Add Flats
- Add Customers and Flats bookings
- Add Query Customers Details
- Record for Installments

SOFTWARE COMPATIBILITY

This web application will be supported on all modern browsers like Chrome, Firefox, Safari, and Edge on all platform i.e. mobile, tablets and desktop. Software is compatible for handling all kind of errors if any user enters incorrect information, it will not allow users to enter incorrect information and shows the user friendly errors so, they can easily correct their mistakes.

SOFTWARE EMPLOYED

The Following technologies will be employed:

- NodeJs (For backend)
- MySQL (For Database)
- ReactJs (For frontend)
- HTTP/REST for communication between Frontend and Backend

MILESTONES	
OVERVIEW	The Project will be broken down into modular components.

MILESTONE	DESCRIPTION
Data Base (Data base design and implementation)	Design the database and connected with the node.
Backend Api Part 1(Authorization)	User must be authorized if they are not authorized they will not allow to make any changes.
Backend Api Part 2 {CURD}	CURD functionality for the flats, customers, query customer, and the installments.
Backend Api Part 3(Users)	Users sign in, users sign up, update password, read all the users
Backend Api Part 4(Security)	Encryption of users passwords and decryption for sign in token generation for sessions
Frontend Part 1 (Login and Registration)	Sign in and add user pages.
Frontend Part 2 (Home Page)	Home Page.
Frontend Part 3 (Data tables)	Data tables for showing the details of flats, customers, query customers and installments.
Frontend Part 3 (Forms)	Forms for adding the relevant information.
Frontend Part 3 (Authorizations)	User authorization and saving/deleting the session token in the local browser storage to prevent show pages without login.
Integration	All the integration to the back end and the database to provide full functionality

FUTURE IMPROVMENTS
GitHub Repo : https://github.com/Hamzaaasif/Flats-Booking-system

OVERVIEW	Now the application is only for company and its employee's. Future work includes the integration of customer's login where they can easily keep track of their installments too and for the brokers so they can get the relevant information about the company's project.