ONLINE CAR PARKING RESERVATION SYSTEM
Group 5

Assigned by: Prof. Saurabh Tiwari

Group Members

No.	Name	ID
1	Harshal Markana	201801143
2	Ishang Kumar	201801071
3	Raj Mahla	201801243
4	Darshan Prajapati	201801146
5	Jenil Khandhara	201801217
6	Sambhav Agrawal	201801063
7	Nipun Patel	201801234
8	Parthiv Patel	201801463
9	Mahi Patel	201801039
10	Sudiksha Thusu	201801469

For reference:

Demonstration video: https://youtu.be/rKykvggq0Xs
Github repository:
https://github.com/3005coolik/Group5-Online_Car_Parking_Reservation_System
Website: https://planyourpark.herokuapp.com/

CONTRIBUTIONS

Main team division:
Backend team: Jenil, Darshan, Harshal, Sambhav, Ishang
Frontend team: Sudiksha, Raj, Nipun, Parthiv, Mahi, Ishang

No.	Name	Work done
1	Harshal Markana	- Google Authentication features for user - Update feature for User and owner - The new schema for parking slots to include bike and car prizes and the number of slots. - Responsiveness of page user_index, date and time entry, feedback page - Sequence Diagram
2	Ishang Kumar	- Added mailing feature after payment confirmation. - Added payment ejs file for the payment details. - UI design of payment page which lets the user enter his personal and credit card details and email address to which the invoice is to be sent. - Added HTML and CSS for the invoice sent(mail) to the user on payment confirmation. - Responsiveness of Login/Signup and Map. - Sequence Diagram.
3	Raj Mahla	- UI Designs for Login, Signup, Booking, and Payment Details and Feedback page. - State diagram - Added Homepage HTML and CSS, which includes the title page, login, and register, another part contains information about the website, and last is about the feedback and queries of the website from the user. - Added Feedback Page CSS, which shows feedback of all users and average rating, and the users can add feedback for particular parking in the feedback form. - Manual GUI testing.
4	Darshan Prajapati	- Added schema for parking location. - Added cluster map connected with the database which shows the parking location added by the parking owner to the user using geocoding. - Added popup on the map for navigating from map to booking and feedback page. - Users can search location and see their current location on the map.

		- Added schema for reviews. - Added reviews and rating page for users to give feedback for each parking location and see the reviews added by other users. - Added feature of deleting users' own reviews. - Added average rating attribute which updates after create and delete the review. - Added the feedback and rating view page for his parking location given by users. - Added redirection messages for user-related pages. - Added map on feedback page for all parking locations with location marker. - Black Box Testing - Class Diagram
5	Jenil Khandhara	- Initialized express app and created schema for users and owners. - Added register and login functionality for two different types of users i.e. owner and user using passport and JSON web token. - Changed routes according to rest notation - Added schema to store the slots booked by the user - Added functionality for users to see his/her details of current and previous bookings using a database query. - Added the customer status page where the owner can see the details of users who have parked on their parking location - Added redirection messages for login, register, and owner related pages - Added dynamic data of slot booked by the user in the email sent after payment - Black Box Testing - Class Diagram - Deployment of application on Heroku
6	Sambhav Agrawal	- Added ejs file for the entry of date and time. - Made database query for finding empty slots of parking location for the date and time entered by the user. - Solved bug that prevents the user to enter previous date and time in accordance with the selected date. - State diagram
7	Nipun Patel	- UI designs for Login, Signup, Feedback page, and HomePage. - State diagram - Added Homepage HTML and CSS, which includes the title page, log in, and register, Second part is the information about the website, and Third part is feedback about the website from the user. - Added Feedback Page CSS, which shows feedback of all users and average rating. Users can add feedback for particular parking in the feedback form.
8	Parthiv Patel	- Created the UI design for the Parking slot Page, Details of Parking, Parking Owner. - CSS styles for login, signup and view booking history page where user

		can see his/her bookings. ● Sequence Diagram ● Static analysis testing of CSS files ● Responsiveness of Update owner, Update user and view booking history pages. ● Manual GUI testing of the site.
9	Mahi Patel	● Create the UI design for the Parking slot Page, Details of Parking, Parking Owner. Added CSS styles for the: ● Login, Register page, ● User Index page where parking slots can be viewed, ● Booking a slots page where the user can book the slot according to the date and time provided, ● Update user and owner account page. ● Owner dashboard where the owner can see all the parking areas under him, ● Add a parking area page where the owner can add a new parking slot and also the parking status page where the owner can see about the users currently parked in the area and their reviews. ● Created responsive login and signup page ● Created activity diagram ● Black box testing
10	Sudiksha Thusu	● Designing Booking, Payment Details Page, and Homepage. ● Homepage HTML and CSS which includes a title page, login, and register, the second part is the information about the website, and the third part is the feedback about the website from the user. ● Activity Diagram ● Black Box Testing