

ONLINE CAR PARKING RESERVATION SYSTEM

Group 5

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

GUI TESTING

We have done the Graphical User interface testing manually as we wanted to test out web applications from the user's perspective. We verified the functionality of all the submit buttons, input areas, and navigation bars. We checked the responsiveness for all the pages to verify the usability of our web application on different devices.

- **Are the Buttons working properly?**

Yes, They are working Fine.

- **Are the Fonts readable?**

Yes, the size and style are proper and readable.

- **Are the images clear?**

Yes, they are clear.

- **Is the webpage responsive towards change in the dimensions?**

Yes, It is responsive on all 3 major device resolutions i.e, laptop, tablet and mobile.

- **Is the website overall appealing or not?**

The website is pretty much appealing as the central theme is dark also the fonts and images have properly opted for.

- **Is the UI easy to understand?**

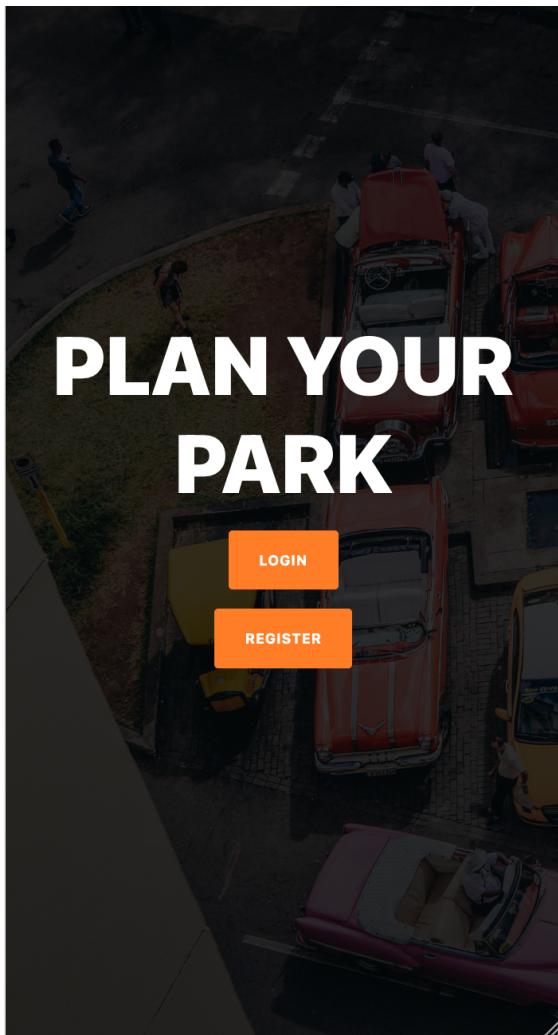
Yes, It is to understand. From a user perspective, the instructions are pretty much clear to search and book a parking space. Also on the parking owner side, too the UI is easily understandable so that the owner can add parking areas and view the details of the parking areas.

Below are some images showing the responsiveness of web pages in mobile and tablet dimensions.

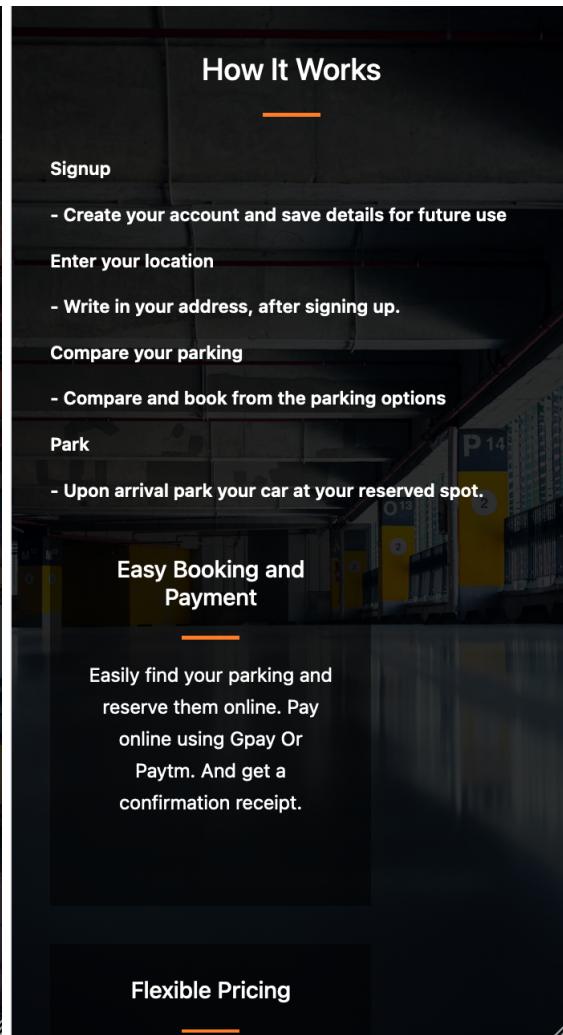
❖ To check the responsiveness of the website:

MOBILE VIEW

Home1



Home 2



Home 3

Your name...

Your email...

Your message...

SEND MESSAGE

DA-IICT
View larger map

Its Ground

Sadi Mata Temple

INFLIBNET Ce

Signup

Signup into your account

Enter name

ik@mail.com

Enter contact

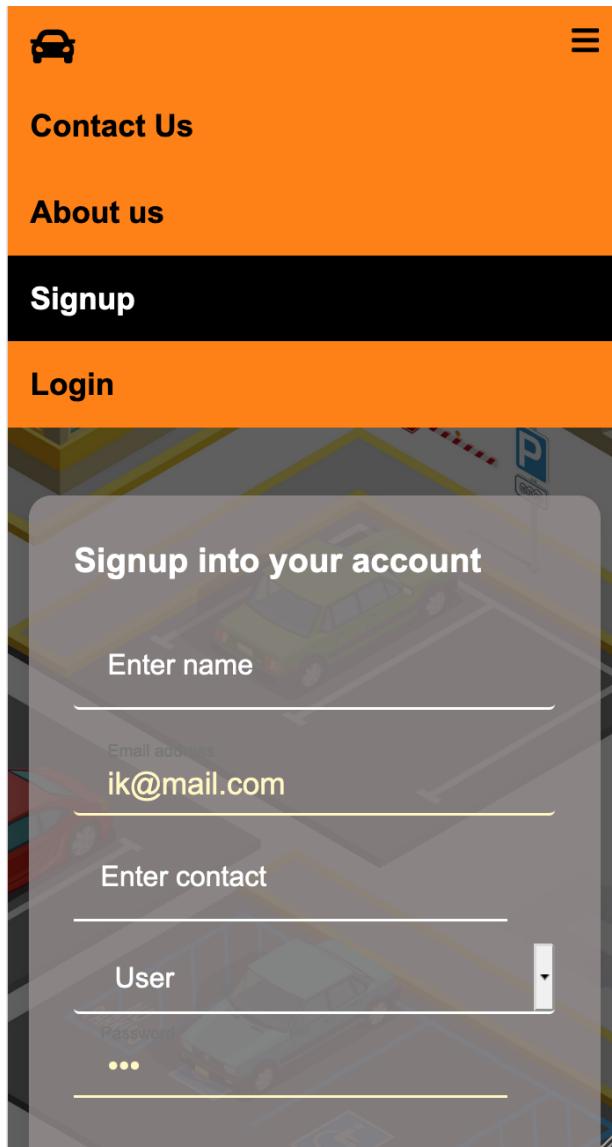
User

Confirm Password

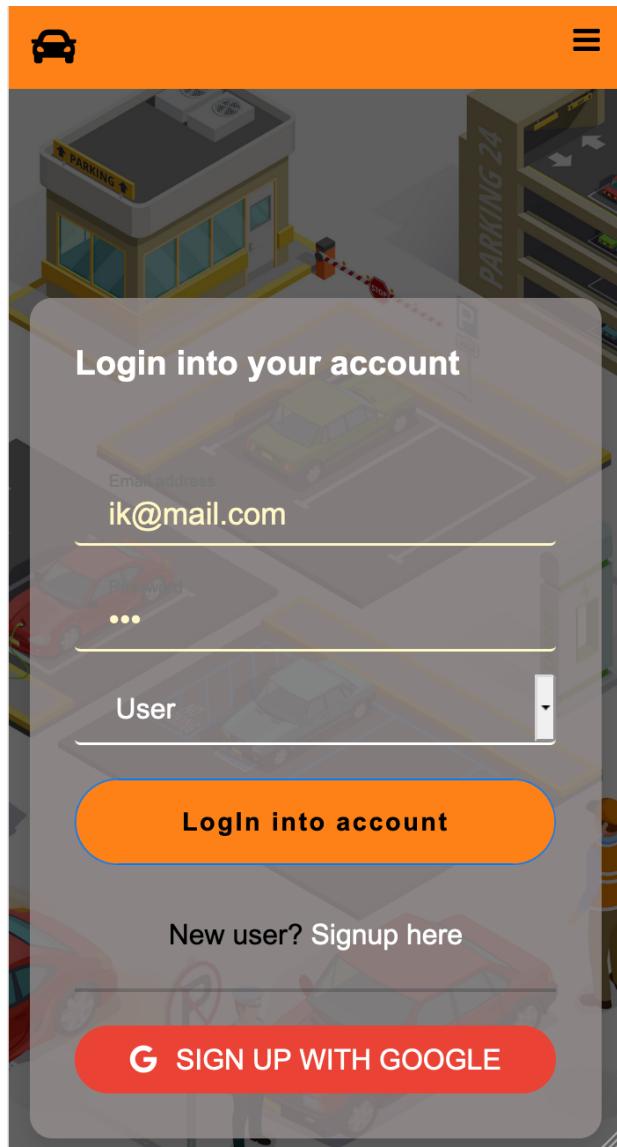
SignUP into account

Existing user? Login here

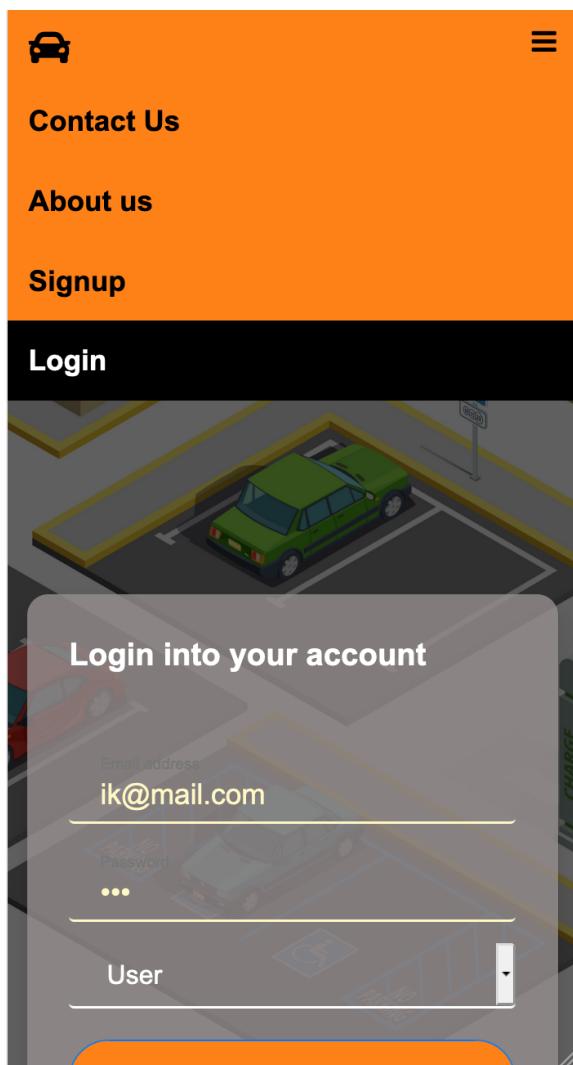
Signup 2 (navbar)



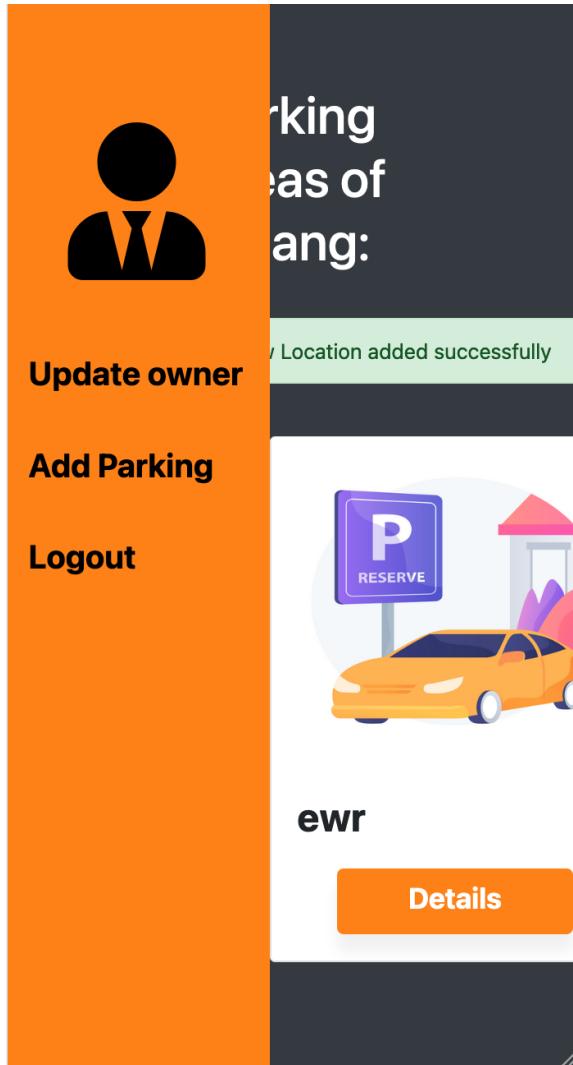
Login



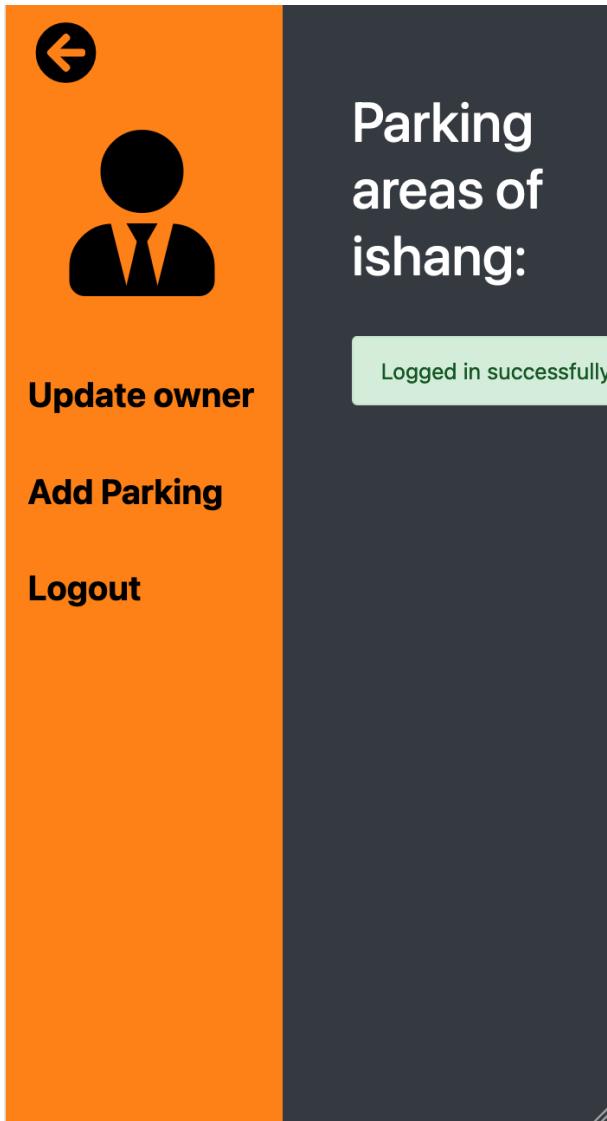
Login 2 (navbar)



Owner Home



Owner Home (without parking)



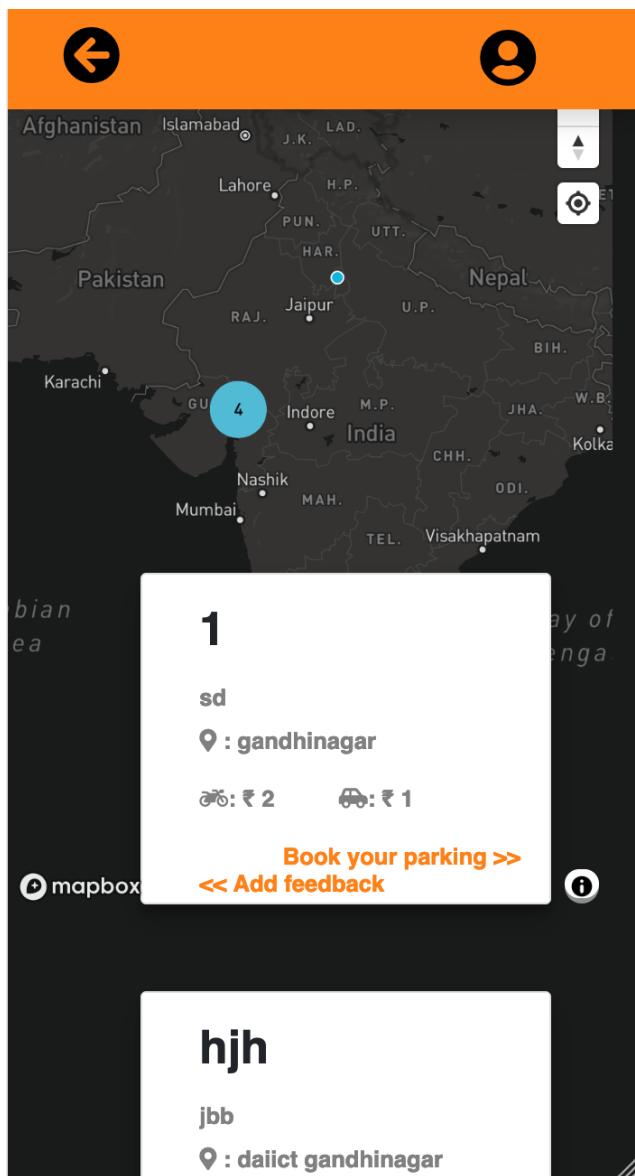
Update Owner

This is a form-based screen for updating user information. It includes fields for Name (with value 'ishang'), Email (with value 'ik@mail.com'), Contact No. (with value '1234567891'), and Password (with placeholder '...'). An 'Update' button is located at the bottom right of the form area.

Name	ishang
Email	ik@mail.com
Contact No.	1234567891
Password	...

Update

User Home



User Update

The User Update screen is a form-based interface with the following fields:

- Name**: ik
- Email**: ik@mail.com
- Contact No.**: 123
- Password**: (Redacted)

An "Update" button is located at the bottom right of the form.

User Booking Status

Booking Details				
Booking ID	Location	Slot No.	Start Time	End Time
(Coordinated Universal Time)				
1	gandhinagar	2	Thu May 13 2021 03:30:00 GMT+0000 (Coordinated Universal Time)	
1	gandhinagar	1	Fri May 28 2021 04:44:00 GMT+0000 (Coordinated Universal Time)	
			Fri May 21 2021 05:55:00	

TABLET VIEW

Home1



Home 2

The image shows a dark-themed mobile application interface. At the top left, the title "How It Works" is displayed. Below it, there are five main sections arranged in a grid-like layout:

- Signup**:
 - Create your account and save details for future use
- Enter your location**:
 - Write in your address, after signing up.
- Compare your parking**:
 - Compare and book from the parking options
- Park**:
 - Upon arrival park your car at your reserved spot.
- Easy Booking and Payment**:
 - Easily find your parking and reserve them online. Pay online using Gpay Or Paytm. And get a confirmation receipt.
- Get Notified**:
 - Get an email will be provided to both to customers and admins as soon as a new booking, payment or cancellation has been submitted.
- Flexible Pricing**:
 - Admins can set different price rates for parking spaces and according to the time period too. The customers will be provided with all the details prior to their booking about the legitimacy of the prices.
- Fast Support 24/7**:
 - The website is active 24/7. Book in advance, or book on the spot. If the space is available, its yours.

Home 3

Your name...

Your email...

Your message...

SEND MESSAGE

A map showing the location of DA-IICT (Dhirubhai Ambani Institute of Information and Communication Technology) in Gandhinagar, India. The map includes labels for NIFT (National Institute of Fashion Technology), Sports Ground, Jopadi Mata Temple, INFLIBNET Centre, 'Soul-Tree' by Trees and Toes, La Pino'z Pizza, and Domino's Pizza. The DA-IICT building is highlighted with a red box and its name in English and Gujarati.

Login

The image is a composite of two distinct scenes. On the left, a photograph of a multi-level parking garage at night. The garage is illuminated by overhead fluorescent lights, and several cars are parked in the bays. On the right, a stylized 3D rendering of a parking facility. This virtual scene features a yellow tow truck, a building labeled 'PARKING', and a large multi-story parking structure filled with various cars. A central overlay contains a login form. At the top of the form, it says 'Login into your account'. Below this is an input field for 'Email address' containing 'ik@mail.com'. There is also a field for 'Password' with three dots as a placeholder. A dropdown menu is open, showing 'User' as the selected option. At the bottom of the form is a large orange button with the text 'Login into account'. Below the form, a link reads 'New user? Signup here'. At the very bottom, there is a red button with the text 'G SIGN UP WITH GOOGLE' next to a Google logo.

Car icon

Login Signup About us Contact Us

Login into your account

Email address
ik@mail.com

Password
•••

User

Login into account

New user? Signup here

G SIGN UP WITH GOOGLE

Signup



[Login](#)

[Signup](#)

[About us](#)

[Contact Us](#)

Signup into your account

Enter name

Email address
ik@mail.com

Enter contact

User

Password

...

Confirm Password

SignUP into account

Existing user? [Login here](#)

 [SIGN UP WITH GOOGLE](#)



Owner Home



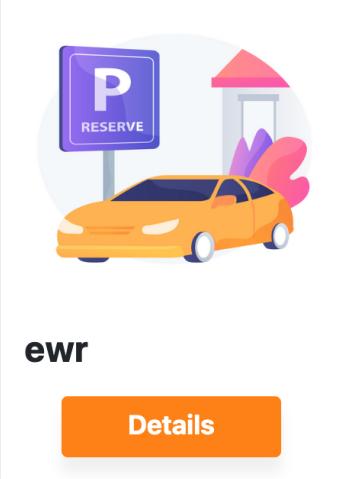
Update owner

Add Parking

Logout

Parking areas of ishang:

Logged in successfully



ewr

Details

Add Parking



ADD THE PARKING AREA

Title:

Location:

Description:

Date-Time



ENTER THE DETAILS

Date of Booking :

dd/mm/yyyy

Start From :

--:--

Duration of Booking (in hr):

1

0

Vehicle Type :

2 Wheeler

Vehicle Number :

Proceed to payment

Owner Update

**Name**

ishang

Email

ik@mail.com

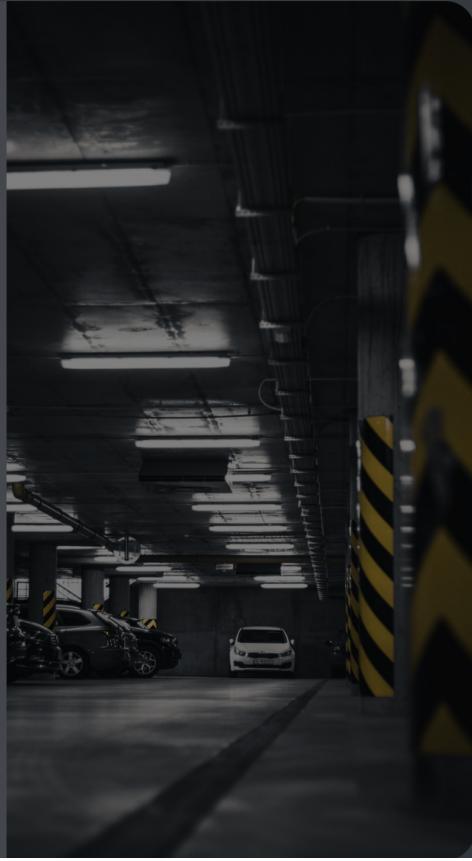
Contact No.

1234567891

Password

...

Update



User Home

1

sd

📍 : gandhinagar

₹: ₹ 2 🚗: ₹ 1

[<< Add feedback](#)

[Book your parking >>](#)

© Mapbox © OpenStreetMap Improve this map

User Update



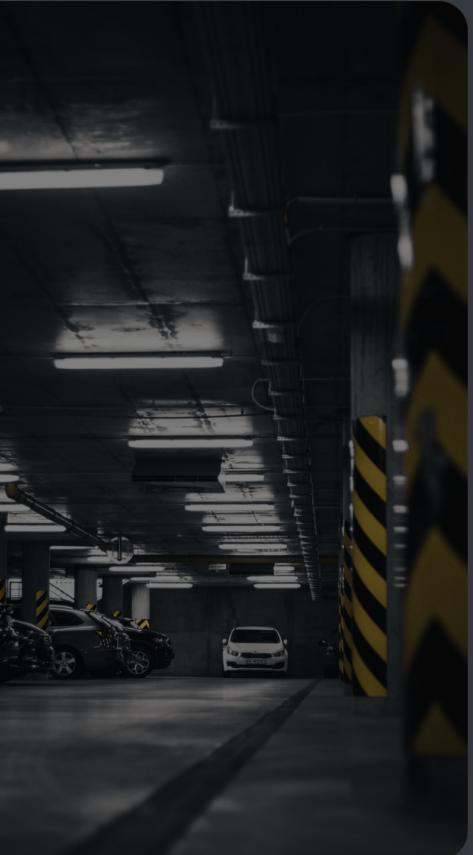
Name
ik

Email
ik@mail.com

Contact No.
123

Password
...

Update



User Booking Status

Parking Title	Location	Slot No.	Start Time	End Time	Vehicle No.
1	gandhinagar	1	Thu May 13 2021 03:30:00 GMT+0000 (Coordinated Universal Time)	Thu May 13 2021 04:30:00 GMT+0000 (Coordinated Universal Time)	1234
1	gandhinagar	2	Thu May 13 2021 03:30:00 GMT+0000 (Coordinated Universal Time)	Thu May 13 2021 04:30:00 GMT+0000 (Coordinated Universal Time)	1234
1	gandhinagar	1	Fri May 28 2021 04:44:00 GMT+0000 (Coordinated Universal Time)	Fri May 28 2021 05:44:00 GMT+0000 (Coordinated Universal Time)	6453
1	gandhinagar	1	Fri May 21 2021 05:55:00 GMT+0000 (Coordinated Universal Time)	Fri May 21 2021 06:55:00 GMT+0000 (Coordinated Universal Time)	5666
1	gandhinagar	1	Thu May 06 2021 04:44:00 GMT+0000 (Coordinated Universal Time)	Thu May 06 2021 05:44:00 GMT+0000 (Coordinated Universal Time)	7777
1	gandhinagar	1	Thu May 20 2021 04:44:00 GMT+0000 (Coordinated Universal Time)	Thu May 20 2021 05:44:00 GMT+0000 (Coordinated Universal Time)	3232

Payment

The screenshot shows a mobile application interface for a payment process. At the top, there is a navigation bar with a back arrow icon. Below it, the title "ENTER THE DETAILS" is centered in white text on a dark background. The form fields are arranged in two columns. The left column contains "Name :" followed by a text input placeholder "Enter name". Below that is "Email:" followed by a text input placeholder "Enter email". Underneath these is "Credit Card Number :" followed by a text input placeholder "Enter Card-Number". The right column contains "Expiry :" followed by a text input placeholder, "CVV :" followed by a text input placeholder, and a large orange button labeled "Confirm Payment". At the bottom left, there is a section titled "Your Bill:" containing the text: "Your booked slot number: 1", "Amount Payable: 1", and "Please finish your payment process!!".

Your Bill:

Your booked slot number: 1
Amount Payable: 1
Please finish your payment process!!

We also tested the UI for specific web pages to verify the alert messages and responsiveness of the navigation bar on that particular page.

Homepage:

- **Is the overall page responsive?**

Most of the elements on the page are responsive, they are getting properly aligned as we change the dimensions. One error that is noticed is that in the mobile dimensions the map which is at the bottom page is not working although it was getting aligned and working properly in the rest dimensions.

- **Are the instructions of how it works on the homepage understandable?**

Yes, they are understandable and it also provides the overall purpose behind this project.

Signup/login page:

- **Are the alert messages being shown properly?**

Yes, Users are getting alert messages on unsuccessful as well as successful login. And a successful signup user is being redirected to the homepage so that he/she can login into the site.

The screenshot shows the Signup page of a parking management system. The background features a 3D rendering of a multi-level parking garage with several cars and a yellow tow truck. At the top, there's a navigation bar with 'Login' (orange), 'Signup' (black, selected), 'About us', and 'Contact Us'. The main form is titled 'Signup into your account'. It contains fields for 'Name' (Raj), 'Email address' (rajmahla204@gmail.com), 'Mobile number' (9568), and a dropdown for 'User' (set to 'User'). A validation message 'Please match the requested format.' is displayed below the mobile number field. Below the form is an orange 'SignUp into account' button. At the bottom, a link says 'Existing user? Login here'.

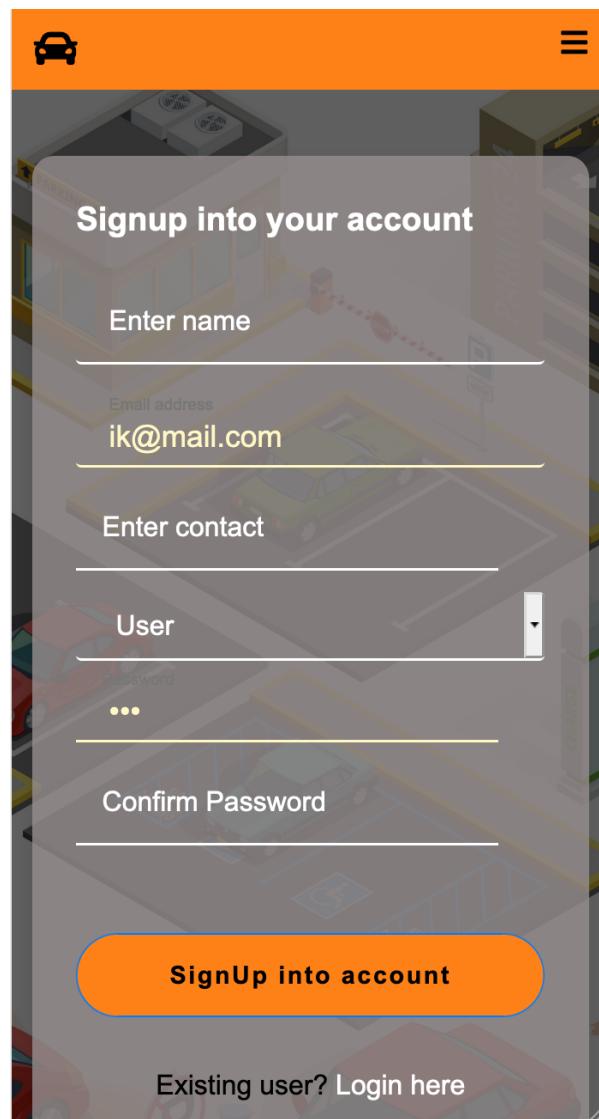
The screenshot shows the Login page of the same parking management system. The background is the same 3D parking garage scene. The navigation bar at the top has 'Login' (orange), 'Signup' (white), 'About us', and 'Contact Us'. A red error message 'Enter valid login credentials' is displayed in a box above the login form. The login form itself is identical to the Signup form, with fields for 'Email address', 'Password', 'User' (dropdown), and an orange 'Login into account' button. At the bottom, a link says 'New user? Signup here'.

- **Is Login/signup with google button working properly?**

Yes, The button is working properly and the user is redirected to the google authority page to select the google accounts.

- **Is the navigation bar and other box elements responsive on other devices?**

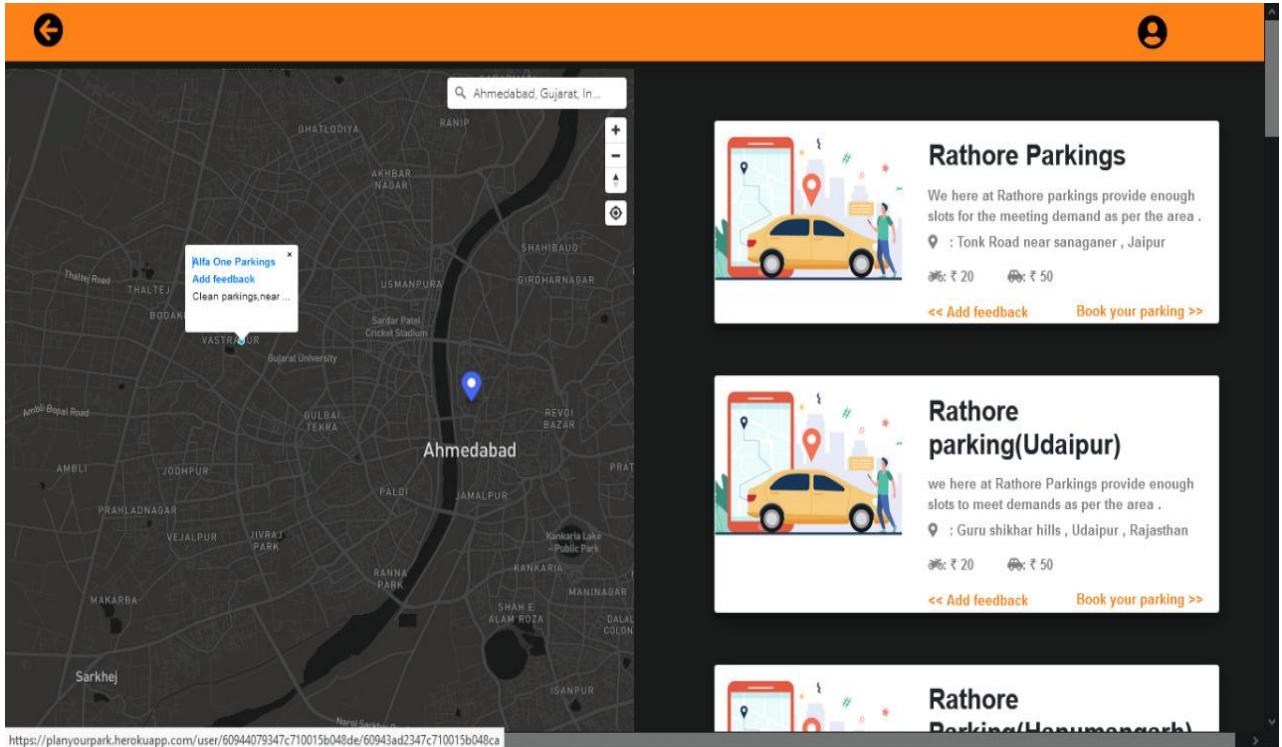
Yes, the navigation bar is responsive and it is getting converted into a drop down box for low dimension devices. Also, an image on the left side of the form is being removed after certain dimensions that makes the UI understandable.



User/ Parking Owner Homepage:

- **Is the User being able to search the proper location at where he/she wants to search for a parking area?**

Yes, User is able to search the location although the user was not provided the distance between his and parking's location.

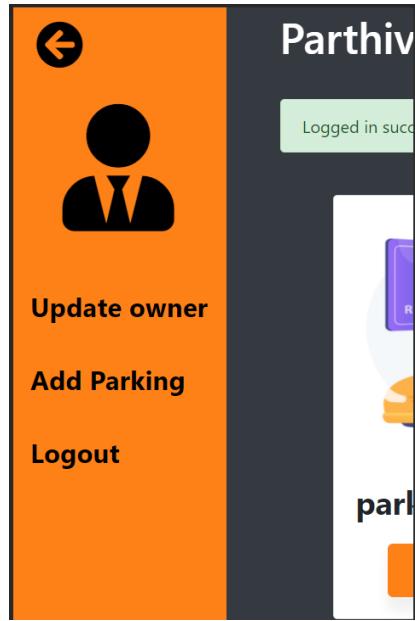


- **Is the UI of a parking owner's home page understandable?**

Yes, the UI of parking owners' home page is good and the owner is being able to add new parking areas and view the details of his parking areas.

- **Responsiveness of owner's homepage**

The owner's homepage is responsive but for lower dimensions the UI was not that much understandable.



So, overall the UI is attractive because of the theme and font selections as well as it is pretty much responsive besides some pages. Also, the alert messages are being shown on the specific actions. Although, we fail to provide responsiveness in some pages but we have tried our best to make the system user friendly.