

# Web Project Documentation

## “Parking-Grid”

By Team 3

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# 1 Introduction.

Online booking is a form of electronic commerce which allows customers to directly book any services from a service provider over the internet using a web browser.

Parking Grid E-commerce website will be developed to book parking for your vehicle directly from the internet.

## 1.1 Scope.

The staff member over the parking premises to check the parking tickets could be automated by using the self-opening boom barriers,

Where customers can scan their tickets and the barrier would be open/close, giving customers a contactless parking experience.

## 1.2 Project Overview.

Parking Grid is a forward-thinking parking company that changes the way you park.

We provide very seamless parking information. It's easy. You come in, park your vehicle and easily drive out.

At Parking Grid, we care about you, your car, and your time. Our parking technology means hassle-free parking. You can pay in with your computers, smartphone, and other devices.

At Parking Grid, you can choose the area you wish to park your vehicle. From there, you can select our parking facility in that area.

You can select your vehicle type 4-wheelers cars – sedans, hatchbacks, trucks, or your 2- wheeler bikes.

Parking Grid also allows you to select on which floor of the parking space you want to park your vehicle.

After selecting the vehicle type and giving some information about yourself and your vehicle, a ticket/alphanumeric code would be generated.

That can be only used once when you enter the parking premises as per the selected hours. A staff member would verify the tickets and assist you when you enter the parking premises for a safe and secure parking experience.

Parking charges would be on an hourly basis or the plan is chosen.

Your vehicle is safe and secure with us, there would be CCTV cameras everywhere on the premises to give a safe experience.

## 2. Design Wireframe – From User Perspective.

### 1. Log In page.

https://parkinggrid.com

# Welcome to ParkinGrid

Your hassle free Parking solution

Log In As

User Admin

Registered Email \*

Password \*

[Forgot Password](#)

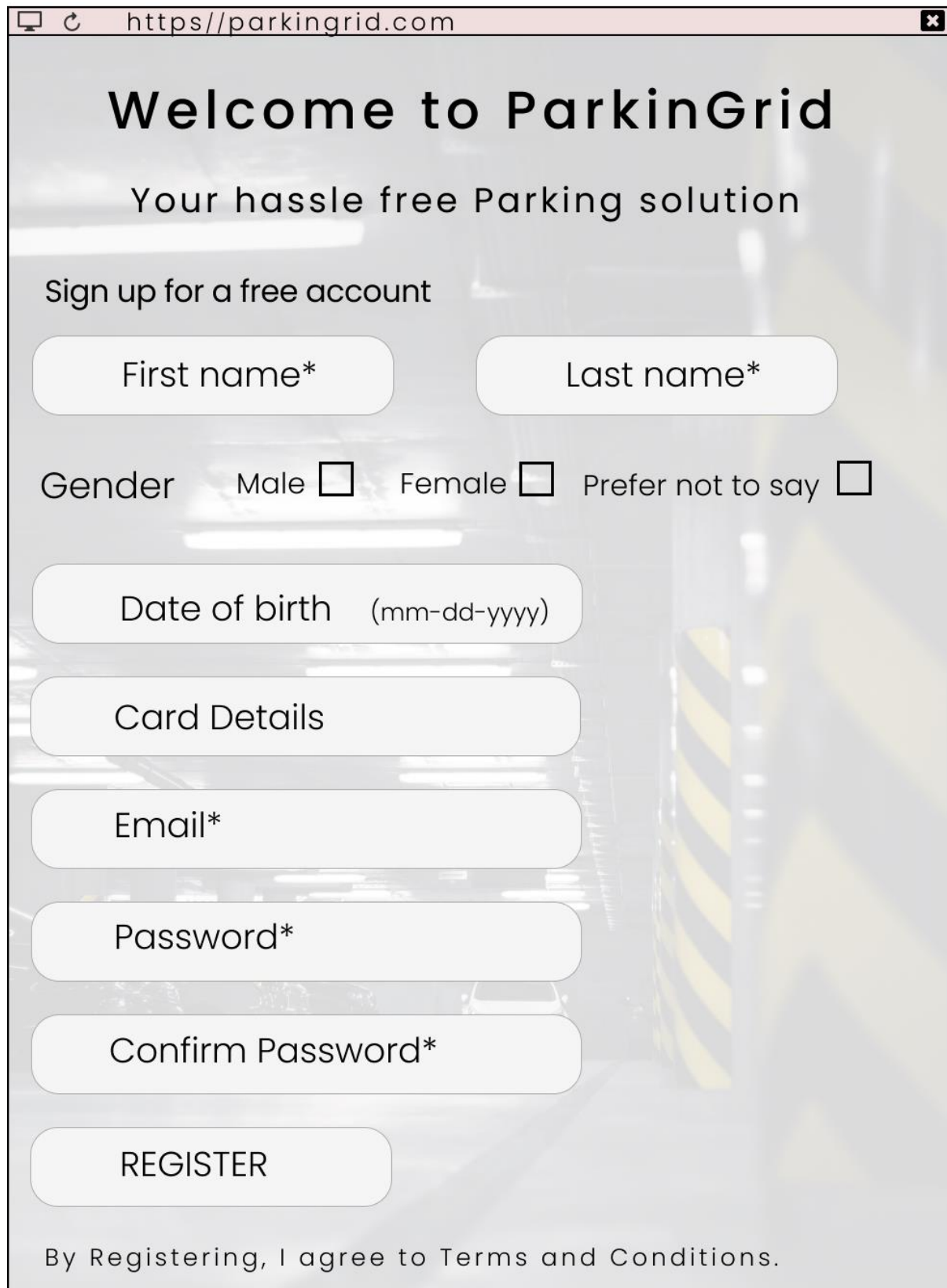
[New user sign up for a free account](#)

Continue

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Suspendisse bibendum scelerisque auctor enim viverra.

## 2. Registration.

A screenshot of a web browser showing the registration page for ParkingGrid. The browser's address bar displays 'https://parkinggrid.com'. The page has a light gray background with a blurred image of a parking lot. The registration form is centered and consists of several white input fields with rounded corners. The fields are: 'First name\*', 'Last name\*', 'Date of birth (mm-dd-yyyy)', 'Card Details', 'Email\*', 'Password\*', 'Confirm Password\*', and a 'REGISTER' button. Below the form, there is a line of text: 'By Registering, I agree to Terms and Conditions.'

https://parkinggrid.com

# Welcome to ParkinGrid

Your hassle free Parking solution

Sign up for a free account

First name\* Last name\*

Gender Male ☐ Female ☐ Prefer not to say ☐

Date of birth (mm-dd-yyyy)

Card Details

Email\*




Password\*

Confirm Password\*

REGISTER

By Registering, I agree to Terms and Conditions.

### 3. Forget Password.

  <https://parkinggrid.com> 

# Welcome To ParkingGrid

## Forgot Your Password?

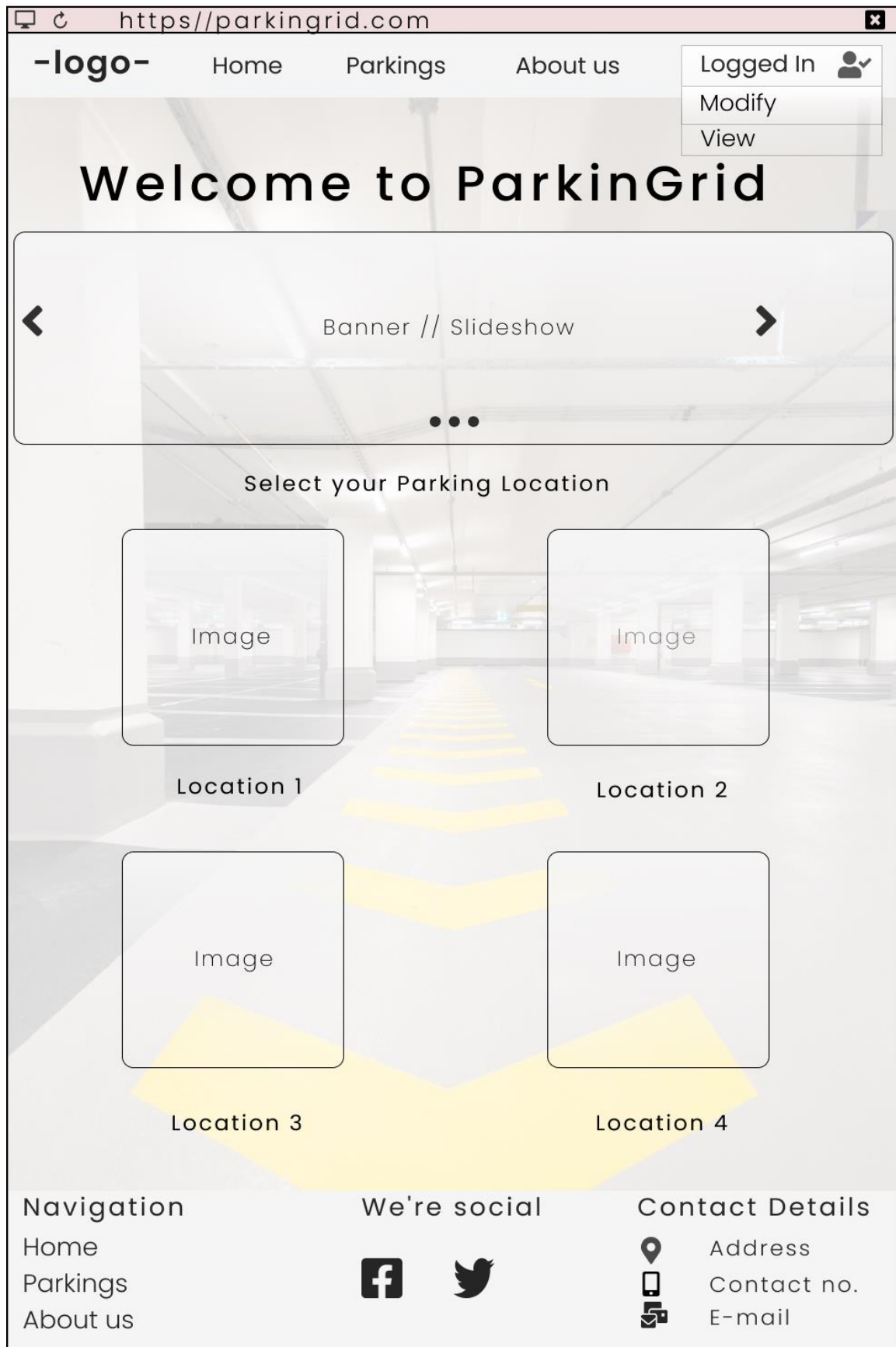
No worries !  
Enter your E-mail  
We will send you a reset

Registered Email \*

Send Reset

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Risus  
pellentesque cras imperdiet et integer. Suspendisse bibendum  
scelerisque auctor enim viverra.  
Suspendisse bibendum scelerisque auctor enim viverra.

#### 4. Home Page.





## 5. Giving Vehicle Details page.

https://parkinggrid.com

**-logo-** Home Parkings About us

Logged In

Modify

View

## Your hassle free Parking solution

Parking Location 1 selected

Please fill/select the details .

Type of vehicle

Owner Name

Plate number

SUV

MUV

Sedan

Hatchback

Next Back

**Navigation**

Home

Parkings

About us

**We're social**

**Contact Details**

Address

Contact no.

E-mail



## 6. Selecting Parking Space.

The screenshot shows a web browser window with the URL <https://parkinggrid.com>. The website has a navigation bar with a logo, 'Home', 'Parkings', 'About us', and a 'Logged In' status with a user icon. The main heading is 'Your hassle free Parking solution'. Below it, it says 'Parking Location 1 selected' and 'Please fill/select the details .'. The form includes several input fields and a grid of parking spots.

**Form Fields:**

- Date (Start)** and **Date (END)**: Text input fields.
- Time Slot**: A dropdown menu with options: 00:00-01.00 (\$15/hr), 01:00-02.00 (\$15/hr), and 24hrs (\$150(-)).
- Select Floor**: A dropdown menu with options: Floor 1, Floor 2, and Floor 3.
- Select available spots**: A text input field.

**Legend:**

- Not-Available
- Available

**Parking Spot Grid:**

s1	s2	s3	s4	s5	s6	s7	s8
s11	s12	s13	s14	s15	s16	s17	s18
s1	s2	s3	s4	s5	s6	s7	s8
s1	s2	s3	s4	s5	s6	s7	s8

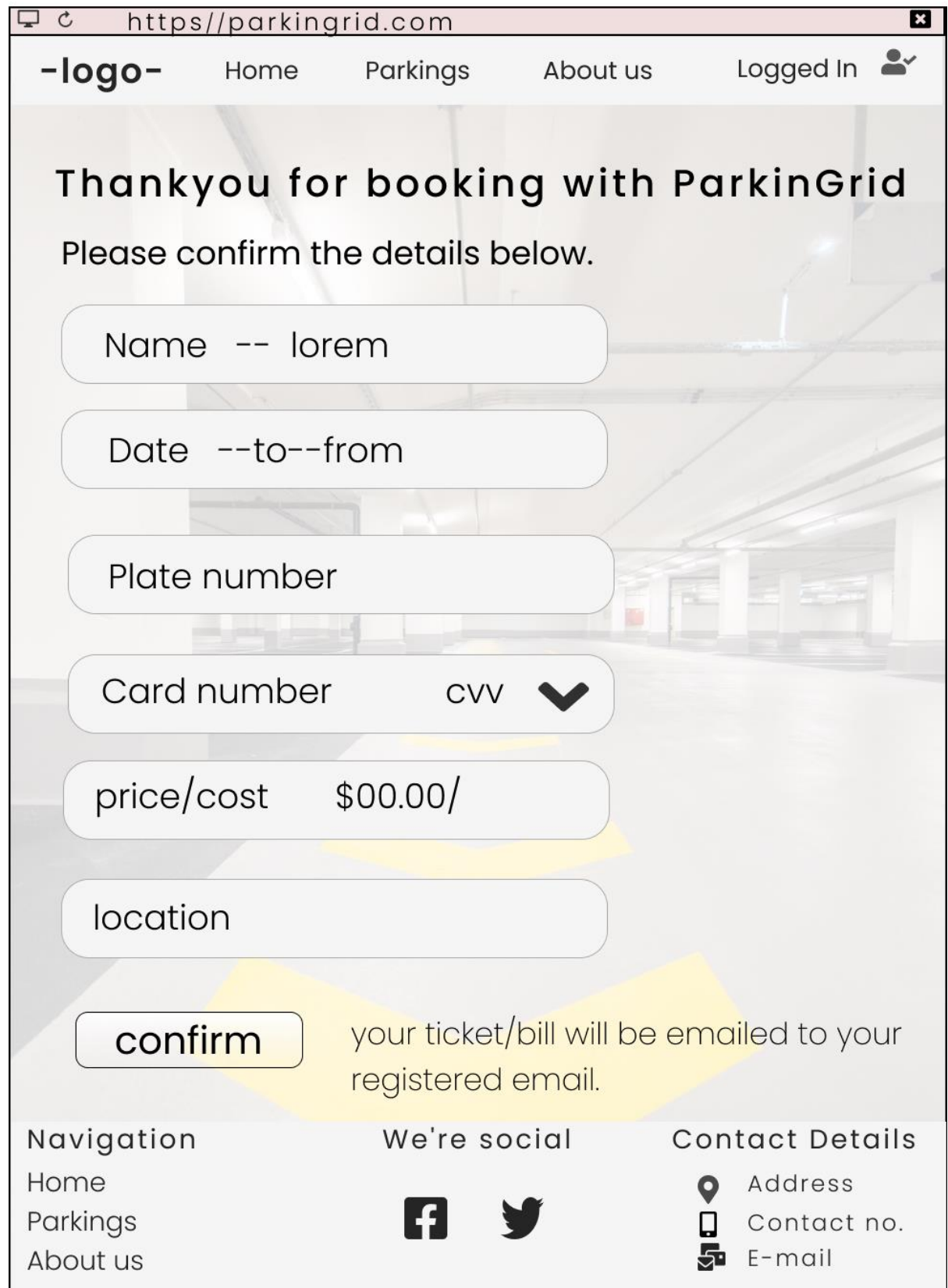
**Buttons:**

- Process**: A button to submit the booking.
- Back**: A button to return to the previous page.


**Footer:**

- Navigation**: Home, Parkings, About us.
- We're social**: Facebook and Twitter icons.
- Contact Details**: Address, Contact no., E-mail.

## 7. Checkout page / Confirmation Page.



https://parkinggrid.com

**-logo-** Home Parkings About us Logged In 


## Thankyou for booking with ParkinGrid

Please confirm the details below.

Name -- lorem

Date --to--from

Plate number



Card number cvv 




price/cost \$00.00/

location

**confirm** your ticket/bill will be emailed to your registered email.

**Navigation**  
Home  
Parkings  
About us

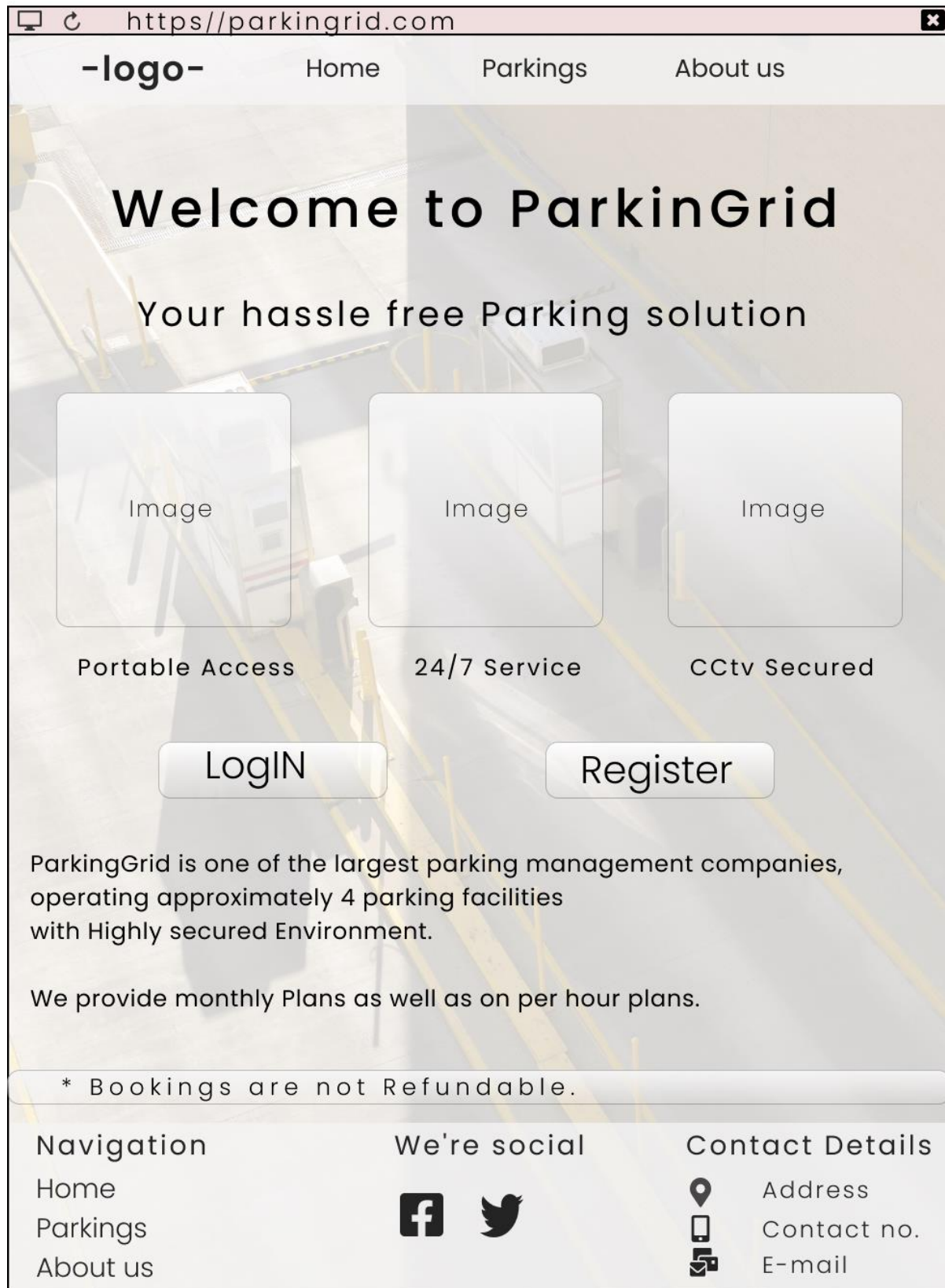
**We're social**  
 

**Contact Details**  
 Address  
 Contact no.  
 E-mail

## 8. About Us Page.



## 9. Dummy Page.





### 3. Design Wireframe – From Admin Perspective.

#### 1. Log In page.

https://parkinggrid.com

# Welcome to ParkinGrid

Your hassle free Parking solution

Log In As

User Admin

Registered Email \*

Password \*

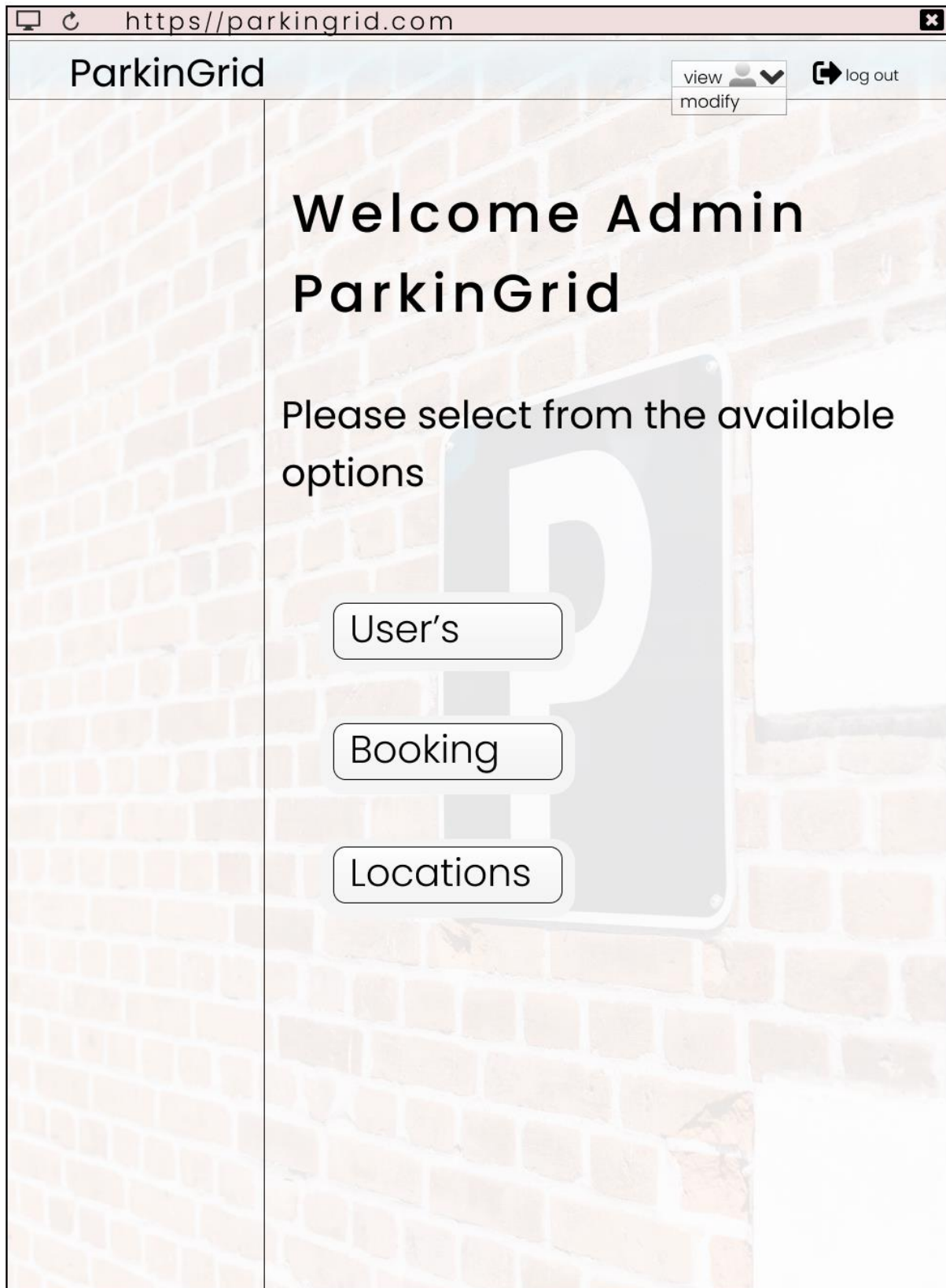
[Forgot Password](#)

Continue

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Risus pellentesque cras imperdiet et integer. Suspendisse bibendum scelerisque auctor enim viverra.

Suspendisse bibendum scelerisque auctor enim viverra.

## 2. List of All Options page.



### 3. Bookings page.

https://parkinggrid.com

ParkinGrid

view   
modify

log out

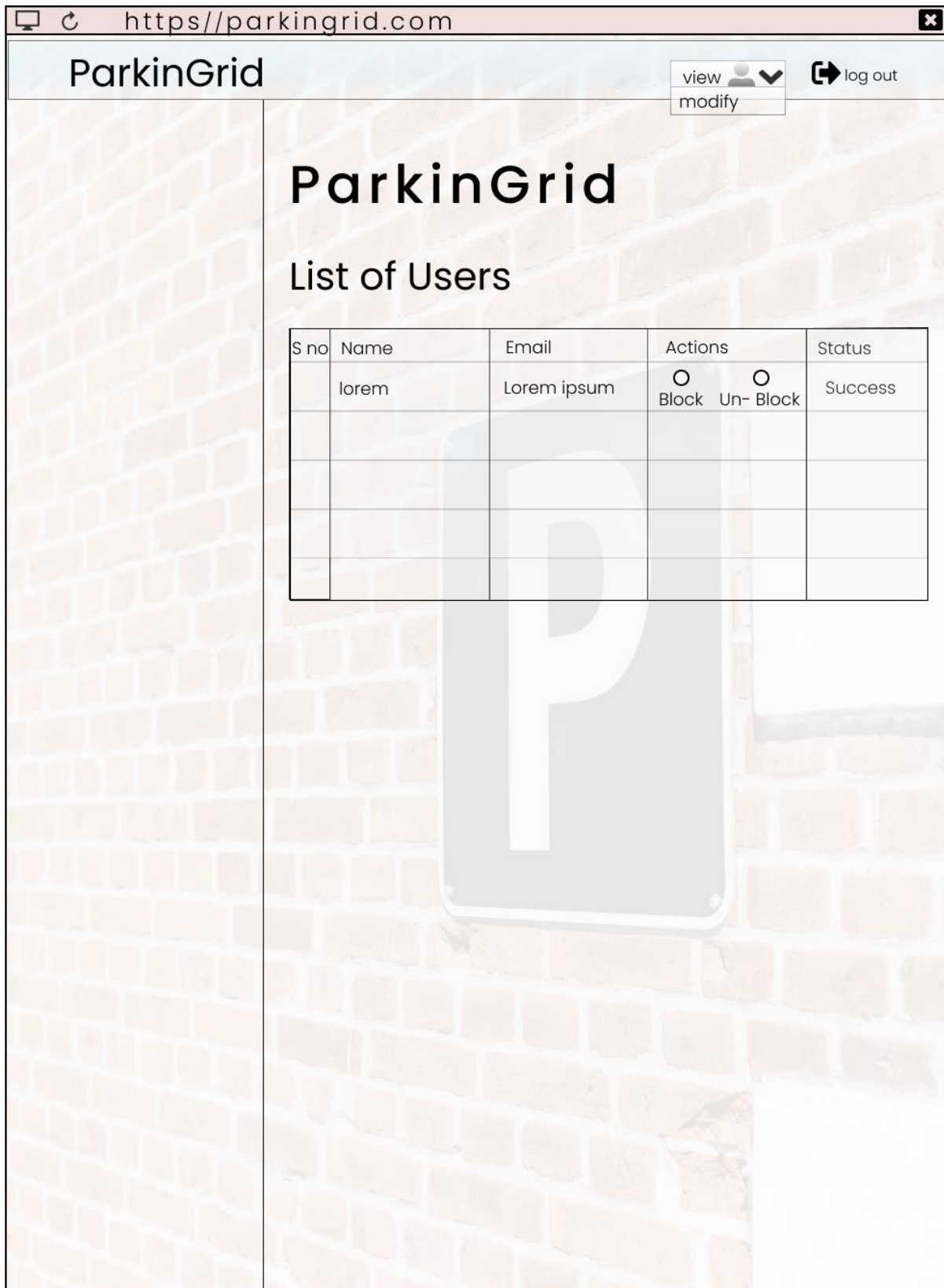
## ParkinGrid

### Bookings

S no	Place	Date	Time	Car No.	Status
	lorem	Lorem ipsum			Success



## 4. List of user's page.



The screenshot shows a web browser window with the URL <https://parkinggrid.com>. The page has a header with the "ParkinGrid" logo and navigation links for "view" (with a dropdown arrow) and "modify". A "log out" button is also present. The main content area features a large "P" parking sign graphic in the background. The title "List of Users" is displayed above a table. The table has five columns: "S no", "Name", "Email", "Actions", and "Status". The first row contains the text "lorem" under "Name" and "Lorem ipsum" under "Email". The "Actions" column for the first row contains two radio buttons, one labeled "Block" and one labeled "Un-Block". The "Status" column for the first row contains the text "Success". There are four empty rows below the first one.

S no	Name	Email	Actions	Status
	lorem	Lorem ipsum	<input type="radio"/> Block <input type="radio"/> Un-Block	Success

## 5. All Locations page.

The screenshot shows the 'All Locations' page of the ParkinGrid website. The page has a header with the 'ParkinGrid' logo, a user profile dropdown, and a 'log out' button. The main content area features a table of locations and an 'Edit' modal for the first location.

**ParkinGrid**

view modify

log out

## ParkinGrid

### Locations

S no	Locations	Action	Action
1	location 1	Show / Hide	Edit
2	location 2	Show / Hide	Edit
3	location 3	Show / Hide	Edit
4	location 4	Show / Hide	Edit

Edit

☒ Floor 1

☐ Floor 2

☒ Floor 3

☐ Floor 4

Update

## 6. User Story:

<u>User Id</u>	<u>Description</u>	<u>USP</u>	<u>Priority</u>
US01	As an admin I can do login myself	5	H
US02	As an admin I can forgot my password	8	L
US03	As an admin I can view registered users	8	M
US04	As an admin I can block/unblock users	13	H
US05	As an admin I can show or hide full parking, floors.	13	H
US06	As an admin I can see list of all bookings.	5	M
US07	As an admin I can edit / modify my profile	8	M
US08	As an admin I can perform logout	3	M
US09	As a user I can edit profile	8	M
US10	As a user I can register myself	13	H
US11	As a user I can do Login	8	H
US12	As a user I can forgot my password	13	H
US13	As a user I can see all the basic information on home page after successfully login	8	L
US14	As a user I can view basic information about Parking grid website on landing page	8	L
US15	As a user I can perform logout	3	H
US16	As a user I can choose my choice of parking from available parking.	13	H
US17	As a user I can describe my vehicle (model Name, Vehicle type, plate number)	13	M
US18	As a user I can select date and time to park the vehicle	13	H
US19	As a user I can see parking confirmation details	8	H
US20	As a user I can perform payment of my car parking	13	H
		184	

## 7. Poker Game Screenshots.

**As an user, I can perform payment for parking of my slot.**

**STORY 1/6**

13 13 13 13

Rutu Shah Unnati chetan ba... Komal Ve...

SPONSORED CONTENT

Looking to reach a technical audience of programmers and agile practitioners?

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13

0 1 2 3 5 8 21 34 55 89 ? Pass

13

1 As an user, I can perform payment for parking of my slot. 13

2 As an admin I can block or unblock user. -

3 As an user I can describe my vehicle(model name, vehicle type, plate type,etc) -

4 As an user I can choose -

**As an admin I can block or unblock user.**

**STORY 2/6**

5 8 8 5

Rutu Shah Unnati Komal Ve... chetan ba...

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0 1 2 3 8 13 21 34 55 89 ? Pass

8

1 As an user, I can perform payment for parking of my slot. 13

2 As an admin I can block or unblock user. 8

3 As an user I can describe my vehicle(model name, vehicle type, plate type,etc) -

4 As an user I can choose parking spot of my choice from -

**As an user I can describe my vehicle(model name, vehicle type, plate type)**

4 Settings Rutu Shah

STORY 3/6

8 8 5 8

Rutu Shah Unnati Komal Ve... chetan ba...

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0 1 2 3 5 13 21 34 55 89 ? Pass

8

Edit Score

#	Story	Score
1	As an user, I can perform payment for parking of my slot.	13
2	As an admin I can block or unblock user.	8
3	As an user I can describe my vehicle(model name, vehicle type, plate type,etc)	8
4	As an user I can choose parking spot of my choice from	-

Edit Story Close

**As an user I can choose parking spot of my choice from available parking**

4 Settings Rutu Shah

STORY 4/6

3 13 8 5

Rutu Shah Unnati Komal Ve... chetan ba...

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3

0 1 2 5 8 13 21 34 55 89 ? Pass

8

Edit Score

#	Story	Score
1	As an user, I can perform payment for parking of my slot.	13
2	As an admin I can block or unblock user.	8
3	As an user I can describe my vehicle(model name, vehicle type, plate type,etc)	8
4	As an user I can choose parking spot of my choice from available parking.	8

Edit Story Close

Playing Second Round as there was a difference in outcome.

**As an user I can choose parking spot of my choice from available parking**

**STORY 4/6**

13 13 13 8

Rutu Shah Unnati Komal Ve... chetan ba...

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13

0 1 2 3 5 8 21 34 55 89 ? Pass

13

#	Story	Score
1	As an user, I can perform payment for parking of my slot.	13
2	As an admin I can block or unblock user.	8
3	As an user I can describe my vehicle(model name, vehicle type, plate type,etc)	8
4	As an user I can choose parking spot of my choice from available parking.	13

Edit Story Close

**As an user I can select date and time to park my vehicle.**

**STORY 5/6**

8 13 8 8

Rutu Shah Unnati Komal Ve... chetan ba...

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Advertise With Us

8

0 1 2 3 5 13 21 34 55 89 ? Pass

13

#	Story	Score
2	As an admin I can block or unblock user.	8
3	As an user I can describe my vehicle(model name, vehicle type, plate type,etc)	8
4	As an user I can choose parking spot of my choice from available parking.	13
5	As an user I can select date and time to park my vehicle.	13

Edit Story Close



As an admin I can show/hide parking and floor.

4

SettingsRutu Shah

Invite

Reset

Flip Cards

Previous

Next Story

Next Active

First Story

Spectate

STORY 6/6

13

8

8

13

Rutu Shah

Unnati

Komal Ve...

chetan ba...

SPONSORED CONTENT

Looking to reach a technical audience of programmers and agile practitioners?

Advertise With Us

0

1

2

3

5

8

21

34

55

89

?

Pass

13

Edit Score

2

As an admin I can block or unblock user.

8

3

As an user I can describe my vehicle(model name, vehicle type, plate type,etc)

8

4

As an user I can choose parking spot of my choice from available parking.

13

5

As an user I can select date and time to park my vehicle.

13

Edit Story

Close

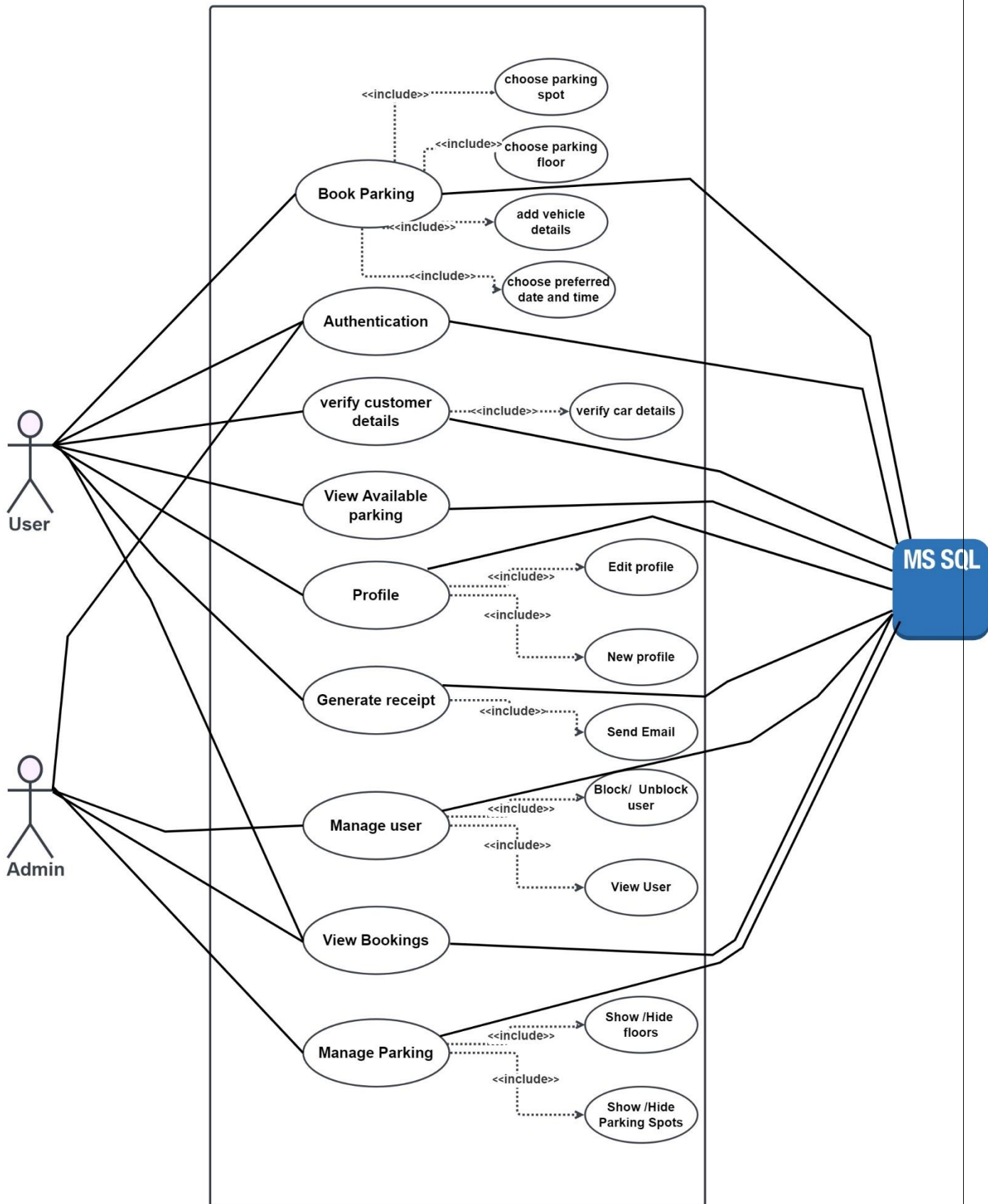
6

As an admin I can show/hide

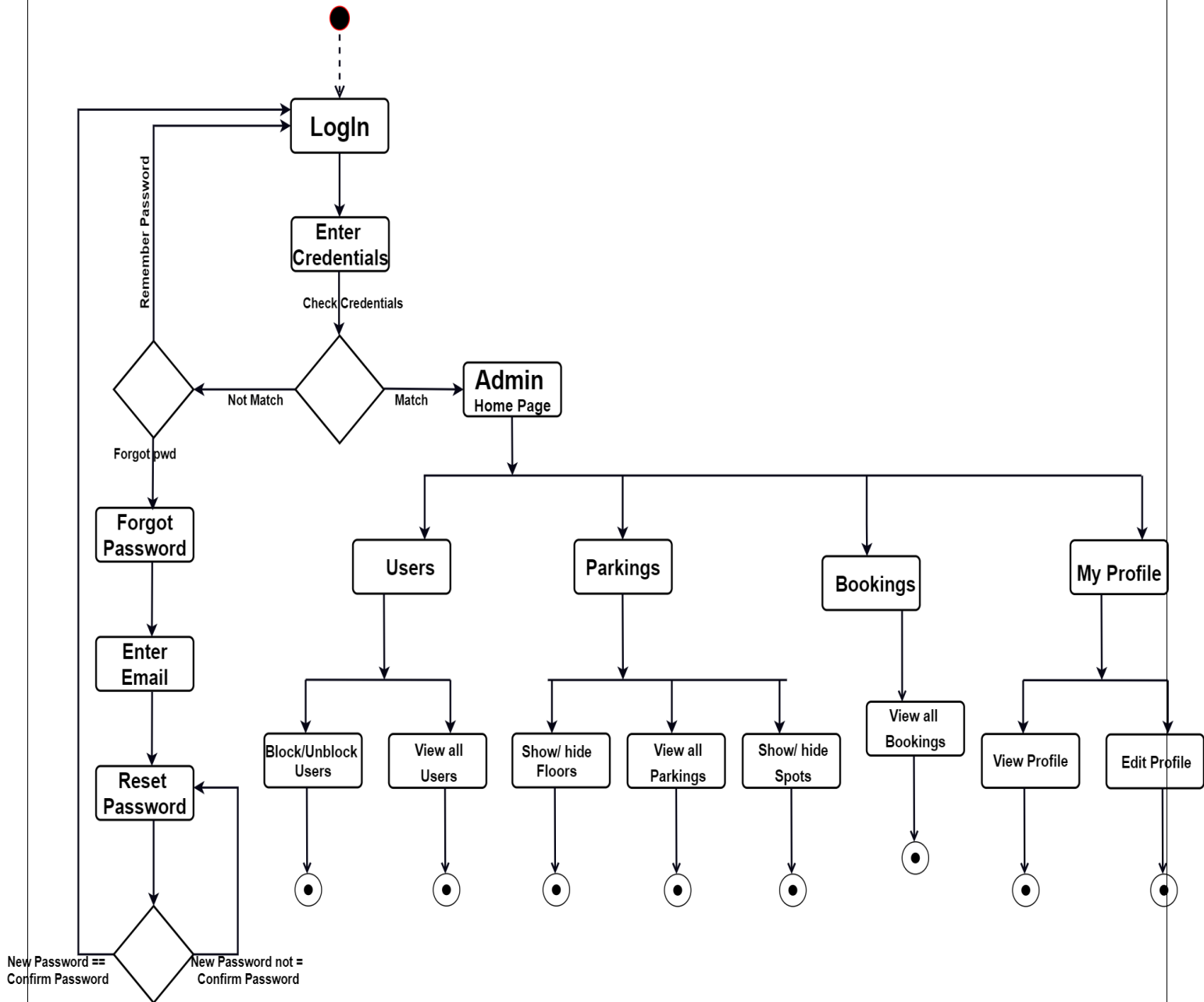
13



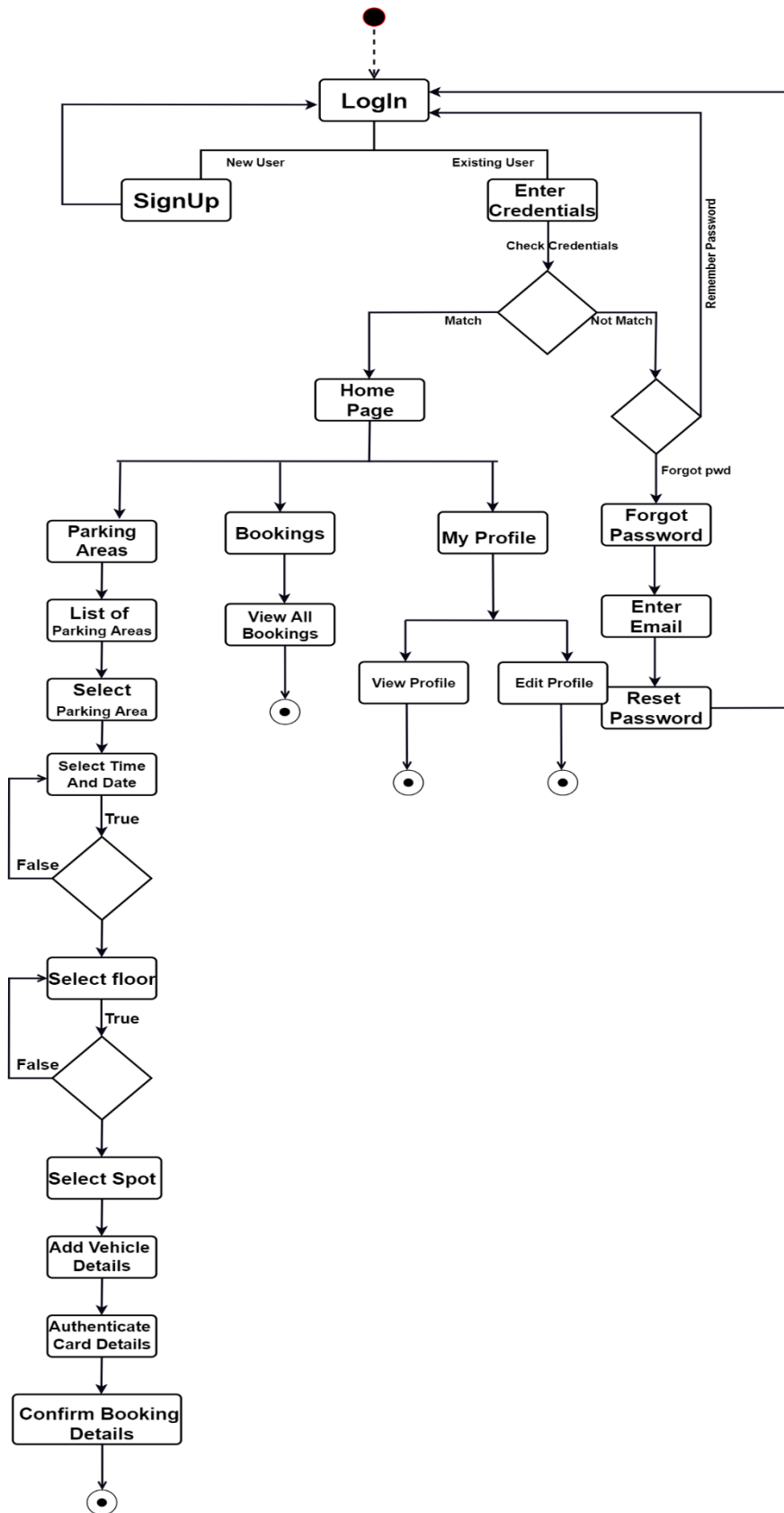
## 8. Use Case Diagram.



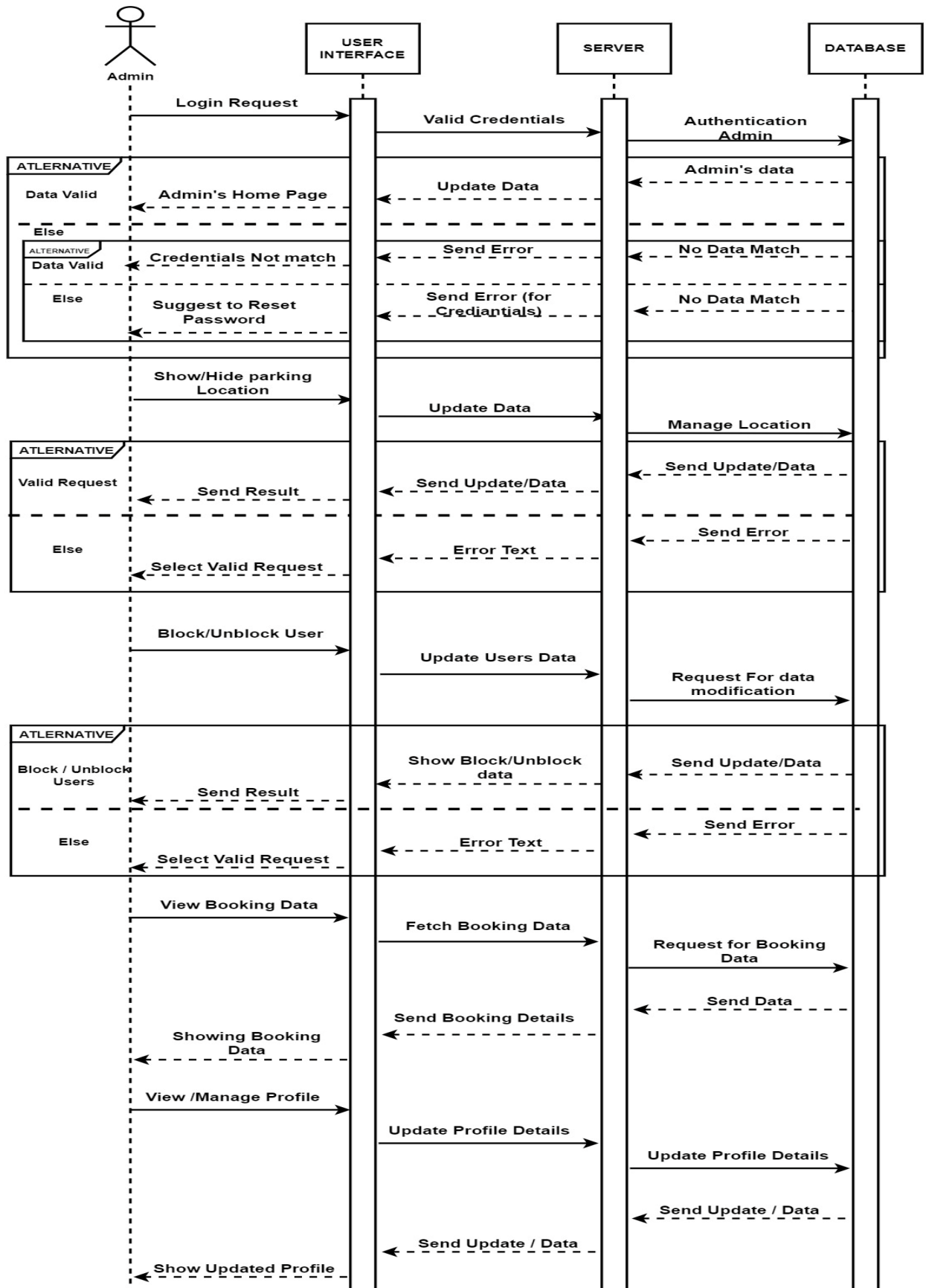
## 9. Activity Diagram – From Admin Perspective.



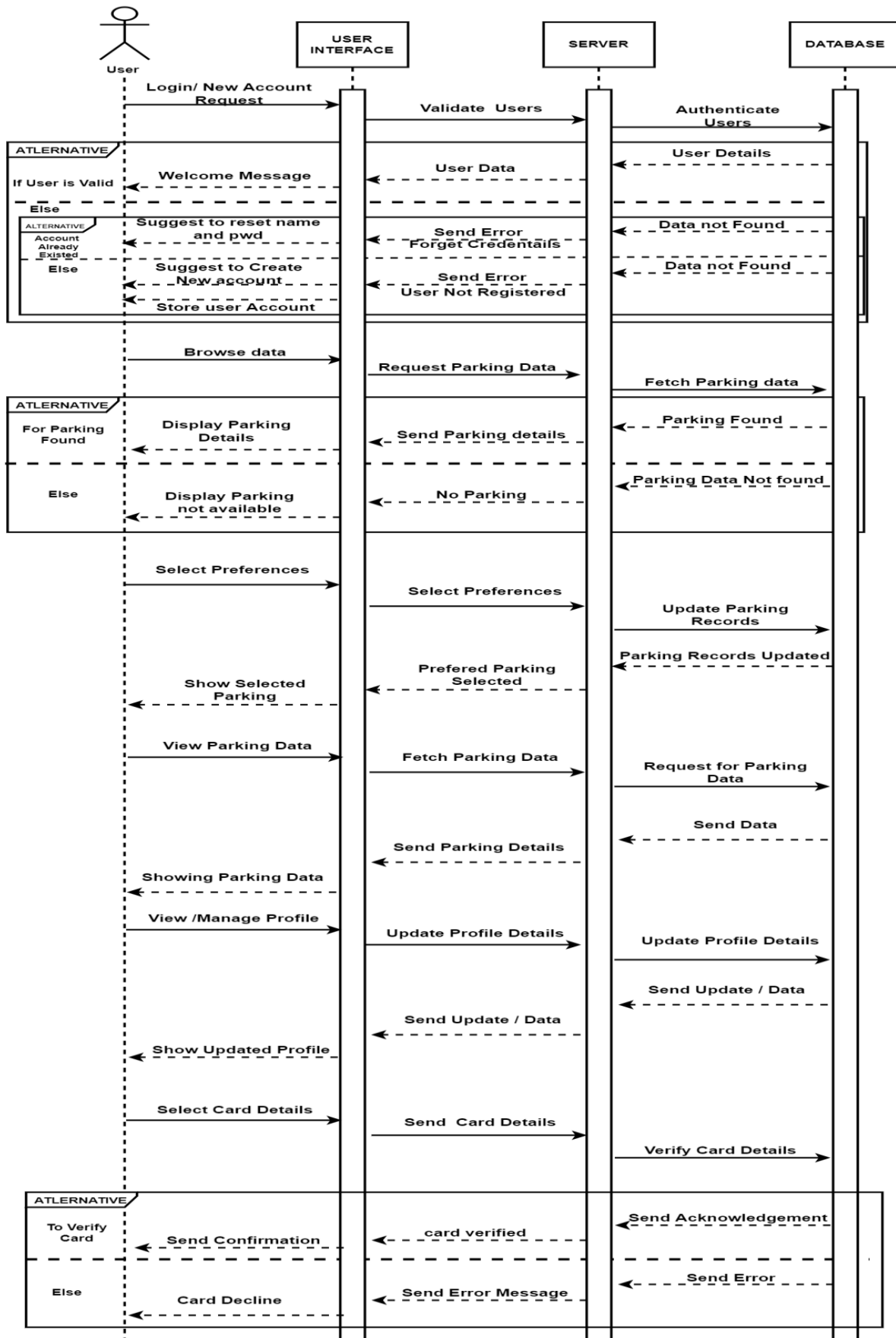
## 10. Activity Diagram – From User Perspective.



# 11. Sequence Diagram – From Admin Perspective.



➔ Sequence Diagram – From User's Perspective.



## 12. Class Diagram.

