CENG-322

Deliverable 3

EzLot
Ezpark

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Description:

Ezpark is an app where you can book for the parking and select your parking spot and book it so you can park your car easily at that point at chosen time. You can easily pay from the app. There are alot of features that make your car parking easy.

Name	Id	Signature	Effort
Akashdeep Singh	n01458137		100
Prashanna kc	n01467778		100
Enrique robles	n01302490		0
Abdicasis Ali			0

GitHub Repo Link:

https://github.com/AkashSingh8137/ezpark.git

Username: imakash

Password: 123

Sprint Goals:

Implement a login feature alongside the registration feature to allow users to customize and record their personal data for future use

Additionally implemented feature that allows users to register through Google

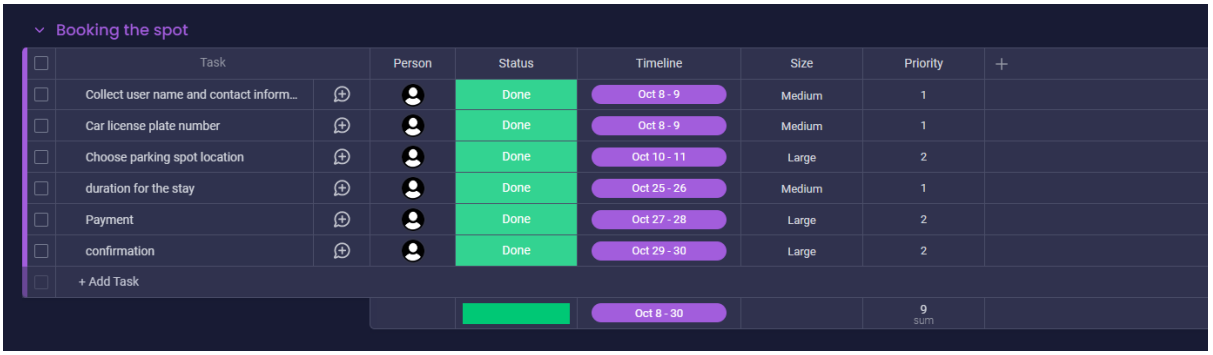
Sprints:

Link for dashboard:

https://imakashrandhawa.monday.com/boards/3345996163/

I have already invited you over.

Sprint 3:



login

Task	Person	Status	Timeline	Size	Priority
Enter the username and password		Done	Oct 13 - 14	Medium	4
If valid username and password, go to ...		Done	Oct 15 - 16	Medium	4
If password incorrect, then try again		Done	Oct 17 - 18	Medium	4
If Username doesn't found then create...		Done	Oct 19 - 20	Medium	4
Ask for username , password, full nam...		Done	Oct 21 - 22	Large	4
Sent an email confirmation your accou...		Done	Oct 15 - 16	X-Large	4
Send user to home screen		Done	Oct 23 - 24	Large	4
+ Add Task					
			Oct 13 - 24		28 sum

+ Add new group

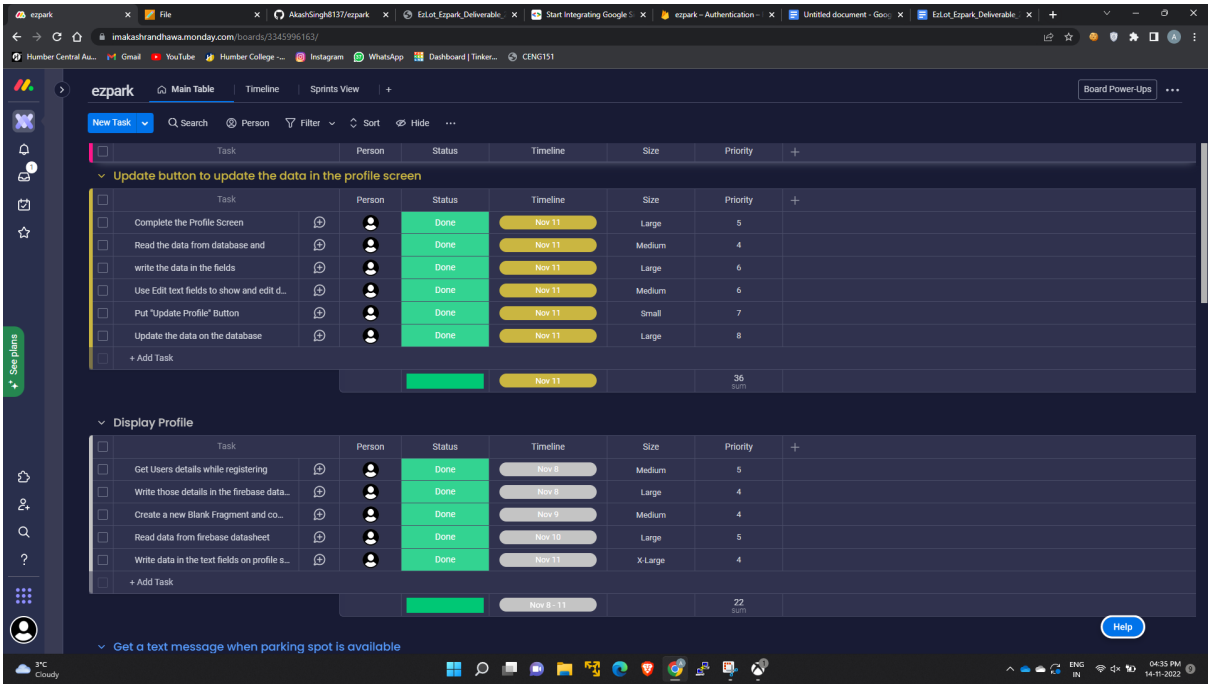
Cancel Booking

Task	Person	Status	Timeline	Size	Priority
Login		Done	Oct 10 - 12	Large	3
Choose parking spot location		Done	Oct 10 - 11	Large	7
Cancel Booking		Working on it	Oct 21 - 22	Medium	7
Reason for cancelation		Working on it	Oct 23 - 24	Medium	7
Refund		Working on it	Oct 25 - 26	Large	7
Confirmation for cancelation		Working on it	Oct 23 - 24	Large	7
+ Add Task					
			Oct 10 - 26		38 sum

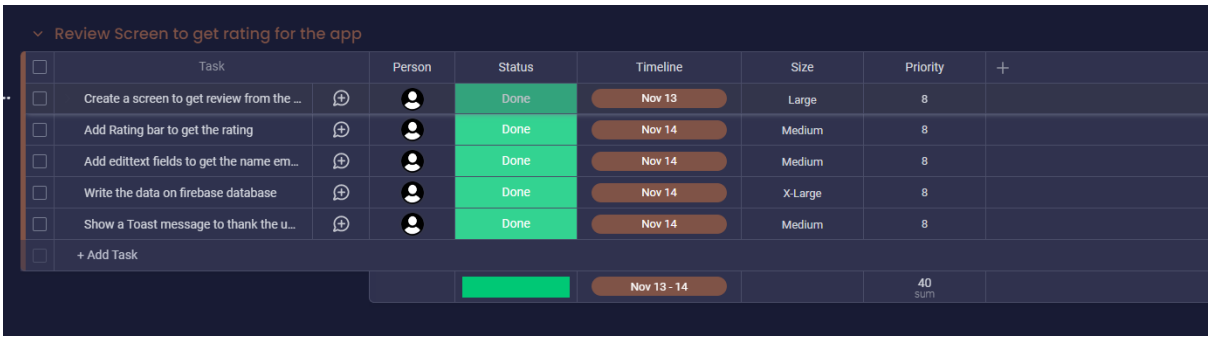
Display parking timer

Task	Person	Status	Timeline	Size	Priority
Login screen		Done	Oct 10 - 12	X-Large	6
Choose parking spot location		Done	Oct 10 - 11	Large	6
Personal and duration details		Done	Oct 9 - 10	Medium	1
display timer remaining on comfirmati...		Working on it	Oct 17 - 18	XX-Large	6
prompt to add more time		Working on it	Oct 19 - 20	X-Large	6
prompt to leave		Working on it	Oct 19 - 20	X-Large	
+ Add Task					
			Oct 9 - 20		25 sum

Sprint 4:

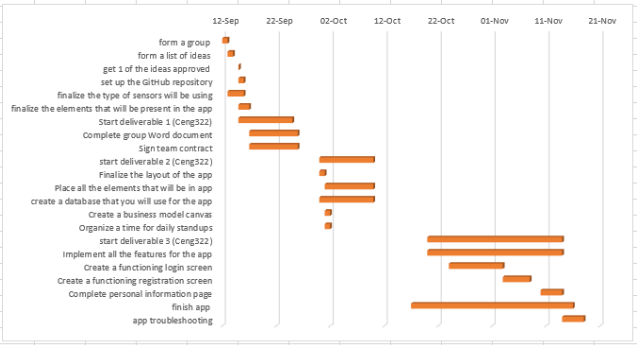

ezpark
Main Table
Timeline
Sprints View
Board Power-Ups
New Task
Search
Person
Filter
Sort
Hide
Task
Person
Status
Timeline
Size
Priority
Update button to update the data in the profile screen
Complete the Profile Screen
Done
Nov 11
Large
5
Read the data from database and
Done
Nov 11
Medium
4
write the data in the fields
Done
Nov 11
Large
6
Use Edit text fields to show and edit d...
Done
Nov 11
Medium
6
Put "Update Profile" Button
Done
Nov 11
Small
7
Update the data on the database
Done
Nov 11
Large
8
+ Add Task
Nov 11
36
sum
Display Profile
Get Users details while registering
Done
Nov 8
Medium
5
Write those details in the firebase data...
Done
Nov 8
Large
4
Create a new Blank Fragment and co...
Done
Nov 9
Medium
4
Read data from firebase datasheet
Done
Nov 10
Large
5
Write data in the text fields on profile s...
Done
Nov 11
X-Large
4
+ Add Task
Nov 8 - 11
22
sum
Help
Get a text message when parking spot is available

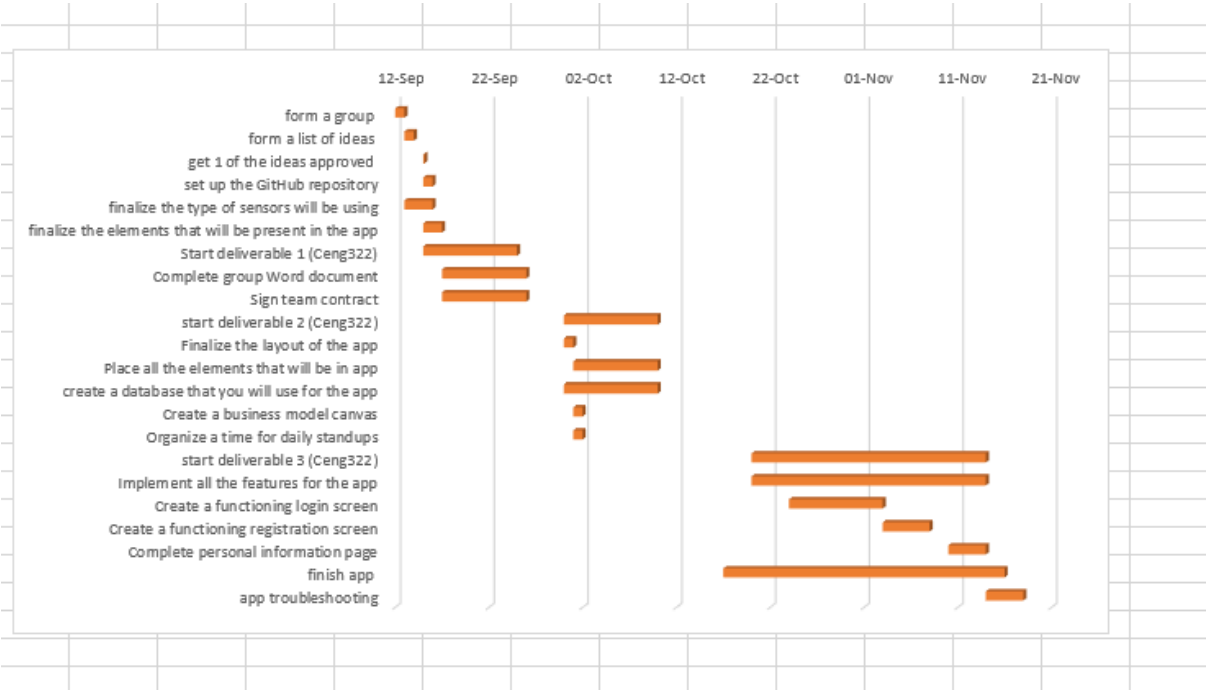
Login through Google
Task
Person
Status
Timeline
Size
Priority
Create a button for login
Done
Nov 4
Small
8
Configure project for 0AUTH Client
Done
Nov 4
Medium
7
Authenticate with firebase for google l...
Done
Nov 5
Medium
8
Add google as a sign in method in fire...
Done
Nov 5
Medium
7
Let the user loggin
Stuck
Nov 6 - 14
XX-Large
8
Re direct user to main screen
Working on it
Nov 7
Small
5
+ Add Task
Nov 4 - 14
43
sum


Review Screen to get rating for the app
Task
Person
Status
Timeline
Size
Priority
Create a screen to get review from the ...
Done
Nov 13
Large
8
Add Rating bar to get the rating
Done
Nov 14
Medium
8
Add edittext fields to get the name em...
Done
Nov 14
Medium
8
Write the data on firebase database
Done
Nov 14
X-Large
8
Show a Toast message to thank the u...
Done
Nov 14
Medium
8
+ Add Task
Nov 13 - 14
40
sum

Gantt chart

Task	Start Date	End Date	Duration
form a group	12-Sep	12-Sep	1
form a list of ideas	13-Sep	13-Sep	1
get 1 of the ideas approved	15-Sep	15-Sep	0.125
set up the GitHub repository	15-Sep	15-Sep	1
finalize the type of sensors will be using	13-Sep	16-Sep	3
finalize the elements that will be present in the app	15-Sep	16-Sep	2
Start deliverable 1 (Ceng322)	15-Sep	22-Sep	10
Complete group Word document	17-Sep	22-Sep	9
Sign team contract	17-Sep	22-Sep	9
start deliverable 2 (Ceng322)	30-Sep	10-Oct	10
Finalize the layout of the app	30-Sep	01-Oct	1
Place all the elements that will be in app	01-Oct	10-Oct	9
create a database that you will use for the app	30-Sep	10-Oct	10
Create a business model canvas	01-Oct	01-Oct	1
Organize a time for daily standups	01-Oct	01-Oct	1
start deliverable 3 (Ceng322)	20-Oct	14-Nov	25
Implement all the features for the app	20-Oct	14-Nov	25
Create a functioning login screen	24-Oct	03-Nov	10
Create a functioning registration screen	03-Nov	08-Nov	5
Complete personal information page	10-Nov	14-Nov	4
finish app	17-Oct	14-Nov	30
app troubleshooting	14-Nov	18-Nov	4

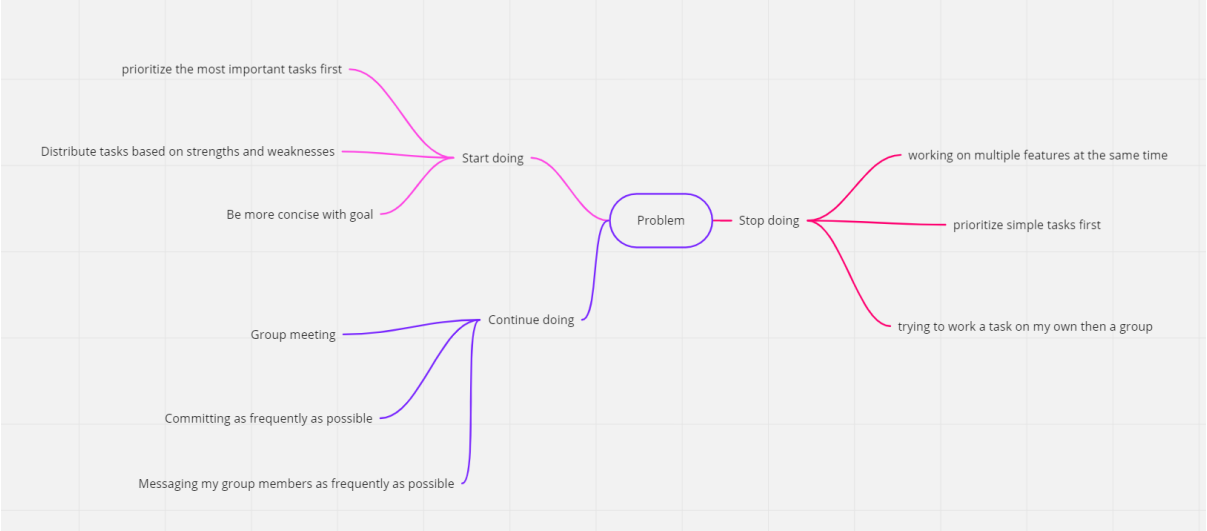




Daily Standups:

https://akashdeepsingh700666.invisionapp.com/freehand/Untitled-cS47hLASw?dsid_h=ab1df50365ff024ee4036947247930adca4c722188378c414cfc4f8701ff9fa8&uid_h=a6e2dc88c4f90a9e0e30cdc9a2f368e42fd9dc8ad9297c43a6ad88a217439240

Sprint retrospective:

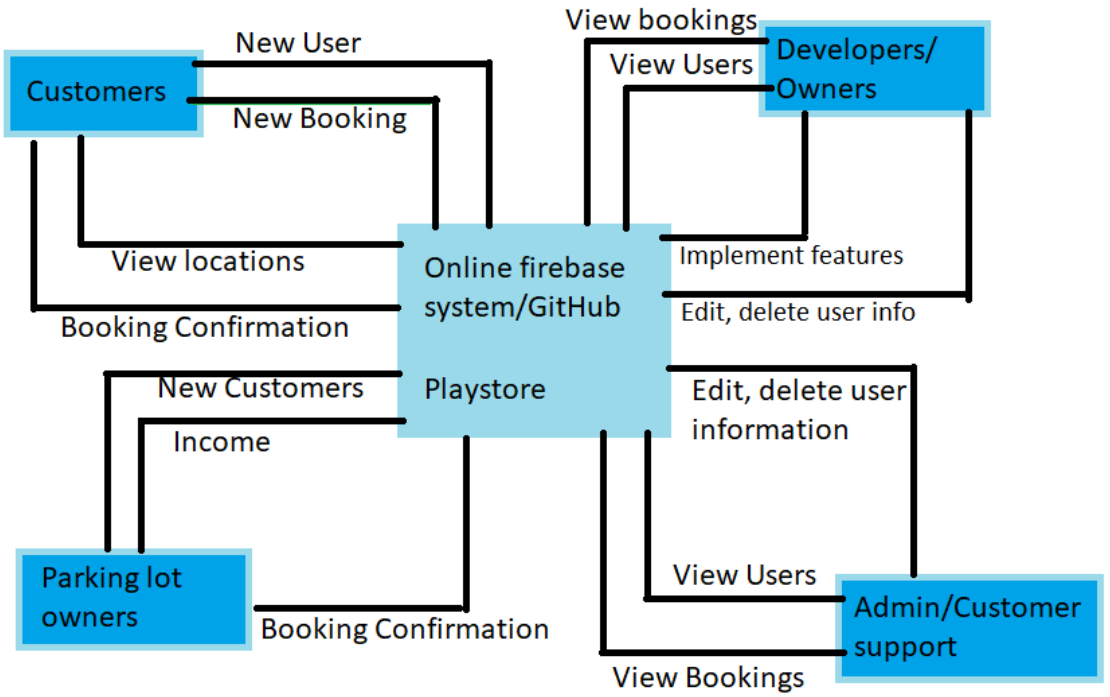


In the previous sprints, we want to add more features to our app however due to the lack of time and underestimating the amount of work we had to do we decided to abandon certain features to ensure the completion of the core aspects of this sprint

A significant problem that we ran into was the fact one of our team members must not responding to us due to this issue the workload increased causing us not to be able to finish all be tasks in the Sprint

to resolve this issue in future sprints we plan to only prioritize the main functions first and implement additional features if we have time left over additionally, we plan to delegate more time to certain tasks to ensure they get completed. Another improvement we plan to make for our third Sprint is to re-delegate the pass to the person that is most proficient at that pass to ensure the task is done much quicker we also plan to make a much more detailed plan for the Sprint to keep track of our group progress throughout the Sprint

system context diagram



Two design principles and pattern

Principles

DO NOT REPEAT YOURSELF(DRY) was one of the design principles we used to keep ourselves organized and to ensure we did not have repeating or duplicate code

KEEP IT SIMPLE AND STUPID(KISS) was another design principle we use to ensure that there was no communication error between the group members this principle helped us work off of each other's work easily and explain our thought process wall working on the project

Pattern

One design pattern that we used was object creation pattern this help us create objects an manage the implementations of new objects as needed throughout the process of building our app this pattern also helped us coordinate the implementation of objects an d to ensure that everybody was on the same page

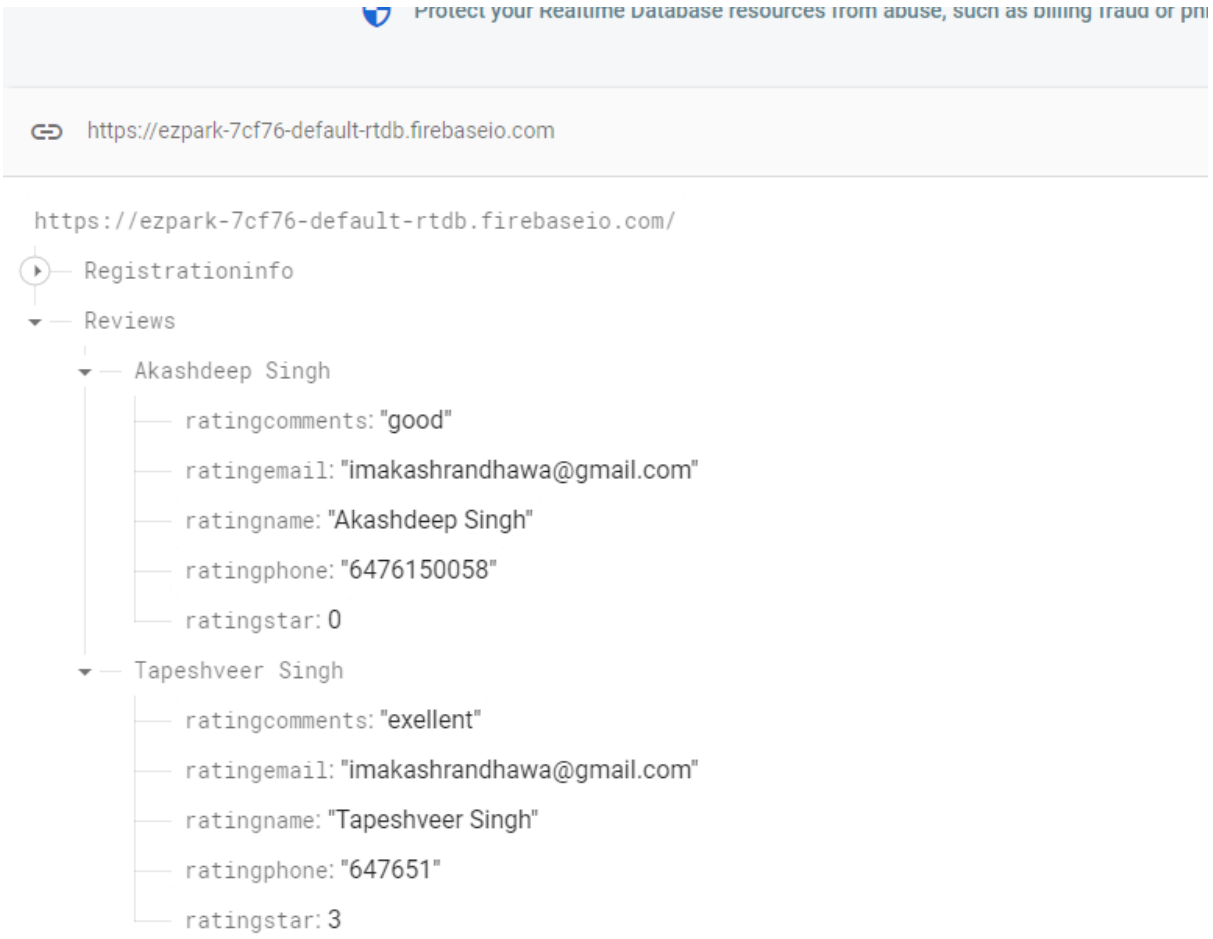
The second design pattern that we used for our project was structural design pattern this helped us create larger structures that contained our objects to ensure that all objects that were related to each other or contained and easy to read altered if needed

Additional Features:

1) **User can register on the app and use that credential to login**
2) **User can choose remember me option so that they doesn't have to put there credential again and again**
3) **User can see there profile information in profile tab and can edit it from there. In this version, It is showing details of the default user and updating that.**
4) **User can use saved information and payment details rather then typing again and again**
5) **User can select the parking location and the parking spot.**
6) **User can check their confirmation anytime from confirmation tab**

Run-time Permission:

We have implemented permission to access the photos. So User can access the photos or not

It is used in settings, where user can change whether app can access the photos or not. When user change the checkbox. App asks for Run-time permission and show the snackbar according to the user response.

Firebase Database: