



SHAREK APPLICATION

Progress report



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CNG 495

Contents

Figures.....	2
Milestones achieved explanation :	3
M1:	3
M2:	3
M3:	4
M4:	4
Milestone remained:.....	5
December 5 - December 11	5
December 12 - December 18	5
December 19 - December 25	5
December 26 - January 1	5
December 26 - January 1	6
January 2 - January 8	6
References:	8

Figures

Figure 1.1	3
Figure 1.2	4
Figure 1.3	5

Milestones achieved explanation :

Here, list the things you have done so far with time line and explain them

M1: in this part, I have started to work on designing a simple interface for the user where he/she can have email and password fields in addition to some greeting messages. Moreover, this part has also included the login button which will take the information of the user and then send it to the cloud for authentication purposes. However, The login button needed to have a “Sign in” functionality connected to the firebase cloud, which has not been done yet in this part, in some way and that was my parent role, which is the authentication of the data. See figure 1.1 which shows the simple user interface.

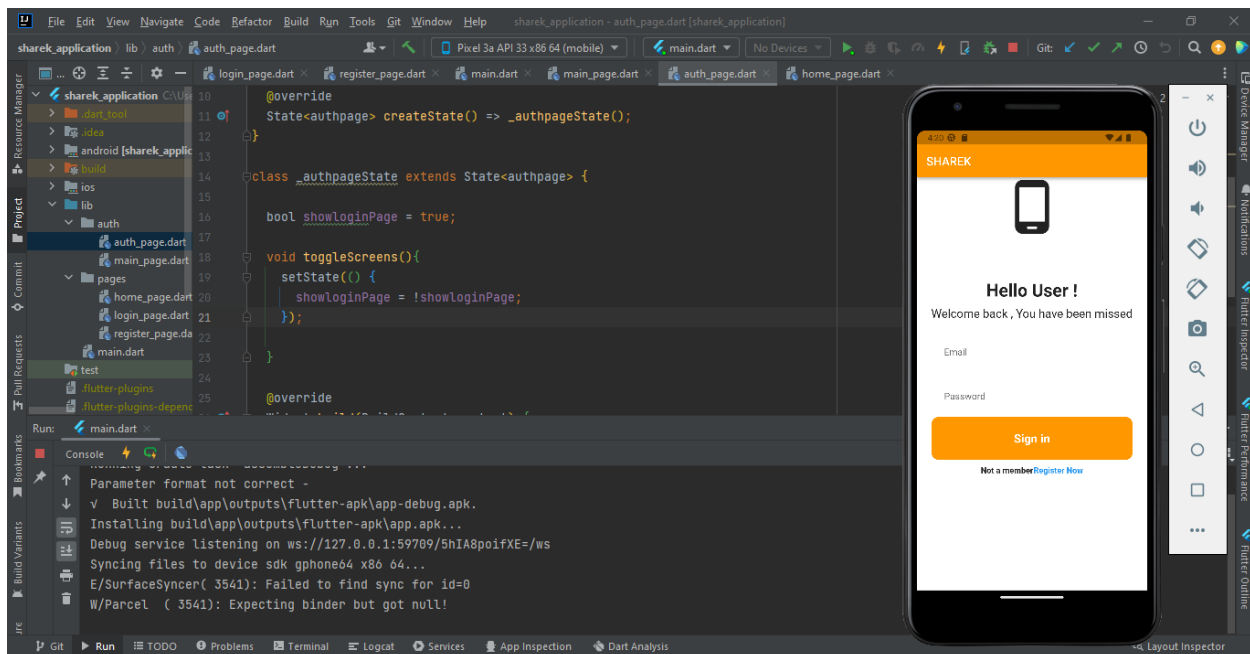


Figure 1.1

M2: In this part, the work was mainly done by my partner, where he had activated the sign-in Button and sent the parameters of the user login info to the firebase authentication to make sure that the user is logging in. However, my part here was to prepare the button properly and the name of the function that should be called so that the implementation of my partner's part will be done smoothly. See figure 1.2 to see the button properties in the code. In the figure, you will see “on Tap” which means the function that should be called when the user clicks the button.

```

// Sign in button
Padding(
  padding: const EdgeInsets.symmetric(horizontal: 25),
  child: GestureDetector(
    onTap: signIn,
    child: Container(
      padding: const EdgeInsets.all(25.0),
      decoration: BoxDecoration(
        color: Colors.orange,
        borderRadius: BorderRadius.circular(12)), // BoxDecoration
      child: const Center(
        child: Text("Sign in", style: TextStyle(
          color: Colors.white,
          fontWeight: FontWeight.bold,
          fontSize: 20
        )), // TextStyle
      ), // Text
    ),
  ),
)

```

Figure 1.2

M3: The main goal in this part was to design the interface and needed buttons for the user in case of need for registration. Basically, this part is in some way similar to the log-in part. However, in this part, some changes in the interface were done such as the text written, the icon, and the confirm password field. These additional components were made either to distinguish the login and register page (e.g.) the text and the icon, and some were made for registration purposes (e.g.) the new confirm password field. As in the login part, the functionality of the buttons was not done and they were planned for the next milestone.

M4: In this part, the same case of M2 was applied here, where my partner had to activate the buttons and authenticate the user information. My Job here was to make the interface looks appropriate with the login page, plus, I had to make the name of the function Sign up so that when the user clicks on it, it will take the information and process it in the Signup function done by my partner. Additionally, the link between the login page and the register page was done in this part. See figure 1.3 to see more details about the interface.

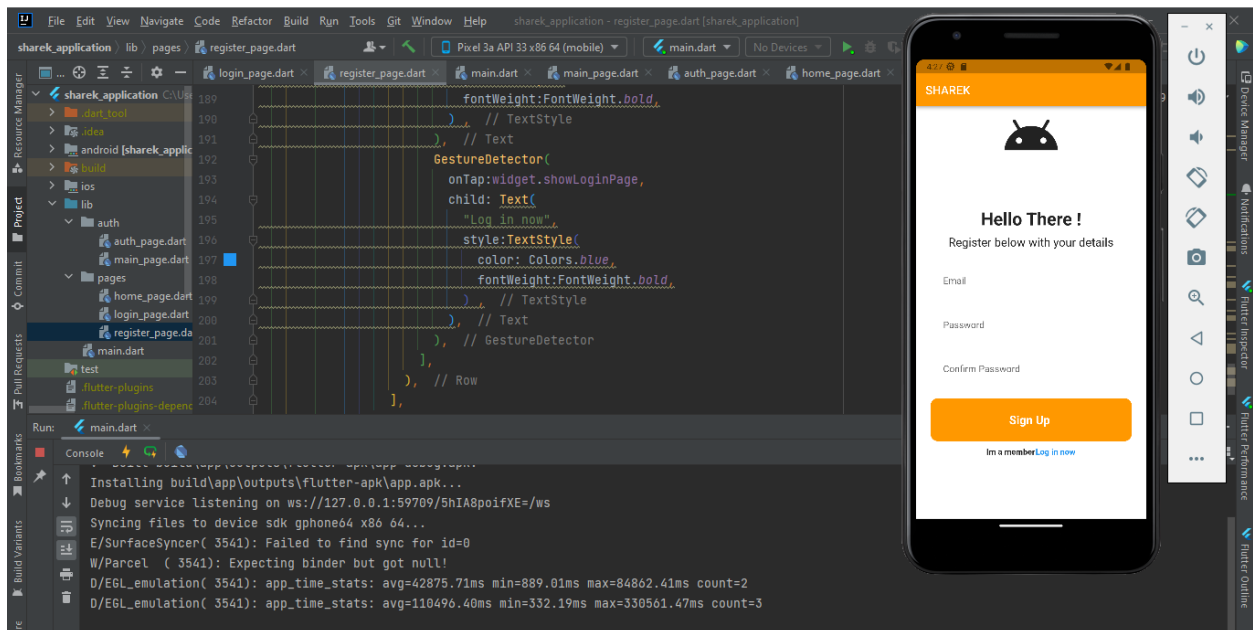


Figure 1.3

Here is a link of a video to show how the link between login and register page is working:

<https://drive.google.com/drive/folders/1NqhtQkX0u-AELiZwjo0710jZ58cPiCQX?usp=sharing>

Milestone remained:

Milestone ID	Milestone	Date
M1	Designing the reset password page	December 5 - December 11
M2	Designing the order a driver main page	December 12 - December 18
M3	Designing the share-a-trip page	December 19 - December 25 December 26 - January 1

M4	Integrating the driver location with the mobile application.	December 26 - January 1 January 2 - January 8
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Task ID	Task	Duration	Task Dependency	Responsible Member
T1	Applying password restrictions for user	1 week		All Members, (Hamzeh Abu Ali) Lead
T2	Designing the layout, widgets, and buttons on the reset password page	1 week		All Members, (Ahmed Jaber) Lead
T3	Designing the layout, widgets, and buttons on	1 week		All Members, (Ahmed Jaber) Lead

	the order a driver page			
T4	Adding the list of drivers and users to the cloud	1 week		All Members, (Hamzeh Abu Ali) Lead
T5	Designing the layout, widgets, and buttons on the share a trip page	2 weeks	T4(M2)	All Members
T6	Add location and navigation property for drivers	2 weeks	T4(M2)	All Members, (Hamzeh Abu Ali) Lead

References:

- <https://flutter.dev/>
- <https://docs.flutter.dev/development/ui/widgets>
- <https://www.youtube.com/watch?v=aJdlkRipgSk>
- <https://www.youtube.com/watch?v=sz4slPFwEvs>