



**BIM423 – SOFTWARE ENGINEERING**  
**2022-2023 FALL SEMESTER**



**UniMeet**

**Group 4**

**Weekly Report 6-7-8**

## Members

1. *Radwan Rachid Houssein*
2. *İsmail Bölükbaşı*
3. *Kemal Yağız Özcan*
4. *Emre Can Çakir*
5. *Kadir Koç*
6. *Ayten Ertaş.*

## Roles in the project

- *Radwan : Mobile Development.*
- *Emre & Ayten : Frontend Development.*
- *Kemal: UI design*
- *Kadir and Ismail: Backend Development.*

## Links

- *Website Link: [UniMeet-Webpage](#)*
- *Repo Link: [github.com/RadwanH/UniMeet-Project](https://github.com/RadwanH/UniMeet-Project)*

# MEETING

This week's meeting has taken place on 26<sup>th</sup> Nov and we discussed the general progress of the project and everyone has represented what they've done so far starting from the backend, frontend all the way to the mobile development.

Discussions about the general design and functionality took place, furthermore, we represented a functioning login and signup pages that passed all the required tests and authentications; using spring and postman in the backend. As for the mobile app, taking the professor advice in consideration we used firebase authentication and storage in order to store user info.

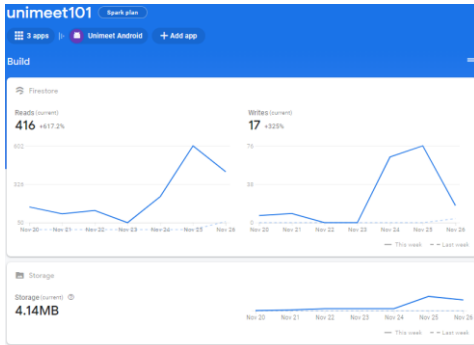
# Individual works

- Radwan : *mobile development*

During this week I have learned about a lot of new stuff regarding my role in this project

After long hours of debugging and frustration I successfully achieved this phase's goals which can be summarized as follows

- Successfully connecting the app to firebase.



- Using firebase's authentication feature to make my login and signup pages fully functional

### Authentication

Users Sign-in method Templates Usage Settings

Search by email address, phone number, or user UID Add user

Identifier	Providers	Created ↓	Signed In	User UID
kemaly@gmail.com	📧	Nov 26, 2022	Nov 26, 2022	pS3fwbKwKgV4w4eDtbXAQzC6B...
ismail@unimeet.com	📧	Nov 26, 2022	Nov 26, 2022	29izQJkNQYatq75f6Ka1zQYXTfD2
ayten@unimeet.com	📧	Nov 26, 2022	Nov 26, 2022	I4f6d3f6JOSK03HBEJAzSK6UwKh1
lonely@gmail.com	📧	Nov 26, 2022	Nov 26, 2022	WH5Pe0WwGaWxKeb8CdgyJHTW...
emre@gmail.com	📧	Nov 26, 2022	Nov 26, 2022	wPSALTTIn7dc3wf4oi8E00MnZ...
radwan@gmail.com	📧	Nov 26, 2022	Nov 26, 2022	E9FGgrZRDYk7gyC913VWYmO...

Rows per page: 50 1 - 6 of 6

- Creating a storage in firebase to restore pictures for both user profiles and posts

### Storage

Files Rules Usage

Protect your Storage resources from abuse, such as billing fraud or phishing Configure App Check

gs://unimeet101.appspot.com Upload file

Name	Size	Type	Last modified
posts/	-	Folder	-
profilePics/	-	Folder	-

- Creating firebase firestore database to store both user's and posts' data with the required fields and unique IDs etc...

### Cloud Firestore

Rules Indexes Usage

Protect your Cloud Firestore resources from abuse, such as billing fraud or phishing Configure App Check

Panel view Query builder

users > E9FGgrZRDYk7gyC913VWYmOgn1


- + Add document
- + Add field
- bio: "Comp Eng"
- email: "radwan@gmail.com"
- followers
- following
- gender: "male"
- lastName: "Nouss"
- name: "Radwan"
- photoUrl: "https://firebasestorage.googleapis.com/v1/b/unimeet101.appspot.com/o/profilePics/29izQJkNQYatq75f6Ka1zQYXTfD2.jpg?alt=media&token=417e44ce4c6b14c7013b4d1e4e"
- uid: "E9FGgrZRDYk7gyC913VWYmOgn1"
- username: "radwan"

### Storage

gs://unimeet101.appspot.com > profilePics

Upload file

Name	Size	Type	Last modified
29izQJkNQYatq75f6Ka1zQYXTfD2	26.21 KB	image/png	Nov 26, 2022
E9FGgrZRDYk7gyC913VWYmOgn1	26.21 KB	image/png	Nov 26, 2022
I4f6d3f6JOSK03HBEJAzSK6UwKh1	44.43 KB	application/octet-stream	Nov 26, 2022
WH5Pe0WwGaWxKeb8CdgyJHTW46B2	13.32 KB	image/png	Nov 26, 2022
wPSALTTIn7dc3wf4oi8E00MnZx1	35.07 KB	application/octet-stream	Nov 26, 2022



Name: 29izQJkNQYatq75f6Ka1zQYXTfD2

Size: 26,21 KB

Type: image/png

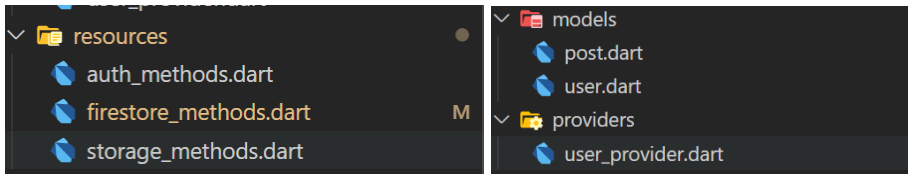
Created: Nov 26, 2022, 3:11:10 PM

Updated: Nov 26, 2022, 3:11:10 PM

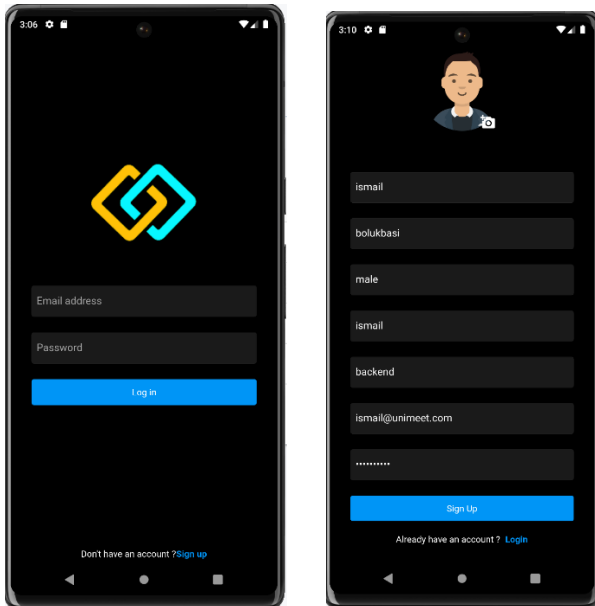
File location

Other metadata

- I created a class for each feature I'll have on the mobile development (avoided showing actual codes as it might reduce readability of the report )
- Used provider from flutter libs for user and created models for users and posts applying OOP

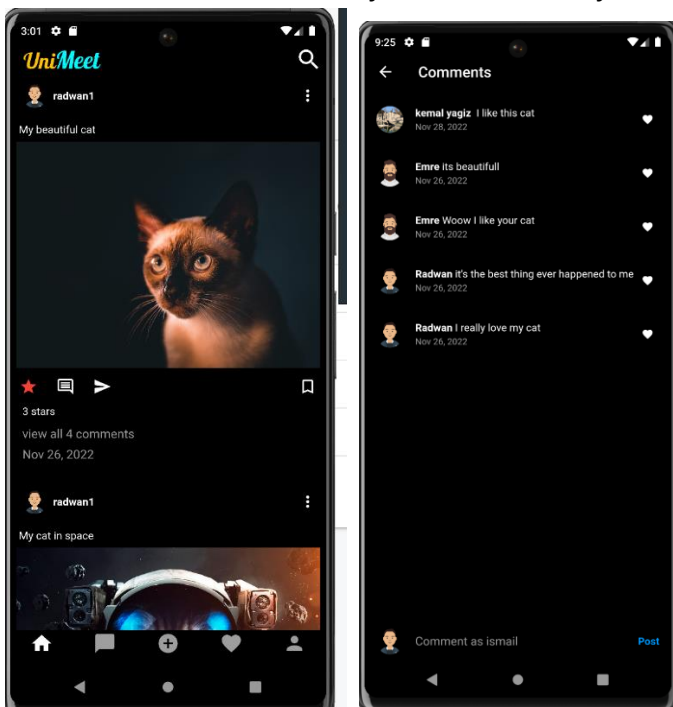


- Functioning login and signup pages (user being created down can be seen in the firebase backend)



- Creating the homepage of the app and how I'm planning to render the posts, comments, likes (stars) and descriptions of posts

*NOTE: this is what I created so far and it's not the final view of it I'll be editing and improving it*



- Tested the app on chrome, android emulator and a physical phone.

- Emre & Ayten: *frontend development*

We added main page bannermove users to top of the page. Also when post show all comments button the popup opening and is shown post comments info in popup. Create profile page draft and fill posts that fake data. Finally when click one post opening popup and shown post info.



- Kadir & Ismail : *backend development*

We have done backend for login and signup Page. So we can add delete update and select users. We have test it at postman.

The image displays three screenshots from the Postman API client, demonstrating the backend functionality for user management and post retrieval.

**Top Screenshot: GET /api/v1/users/getAll**  
 This request returns a list of users. The response body shows two user objects with fields like firstName, lastName, userName, gender, email, phoneNumber, userBio, and uniDept.

```

1 {
2   "firstName": "Ismail",
3   "lastName": "B0190b01",
4   "userName": "ismailb01",
5   "gender": "Erkek",
6   "email": "ismail@gencksehit.edu.tr",
7   "phoneNumber": "2147483647",
8   "userBio": "Hello this is my bio",
9   "uniDept": null
10 }
11
12
13 {
14   "firstName": "Kadir Yağız",
15   "lastName": "Öcan",
16   "userName": "kyozcan",
17   "gender": "Erkek",
18   "email": "kadir@gencksehit.edu.tr",
19   "phoneNumber": "2147483647",
20   "userBio": "Hello this is Kadir bio",
21   "uniDept": null
22 }
  
```

**Middle Screenshot: POST /api/v1/createUser**  
 This request sends a JSON body to create a new user. The response body returns a message: "user created".

```

1 {
2   "message": "user created"
3 }
  
```

**Bottom Screenshot: GET /api/v1/posts/getAll**  
 This request returns a list of posts. The response body shows three post objects with content and user fields.

```

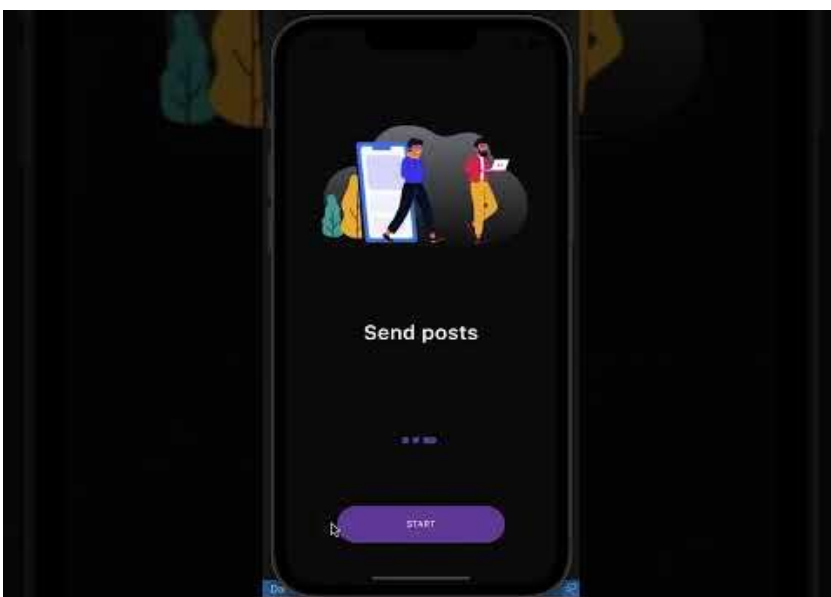
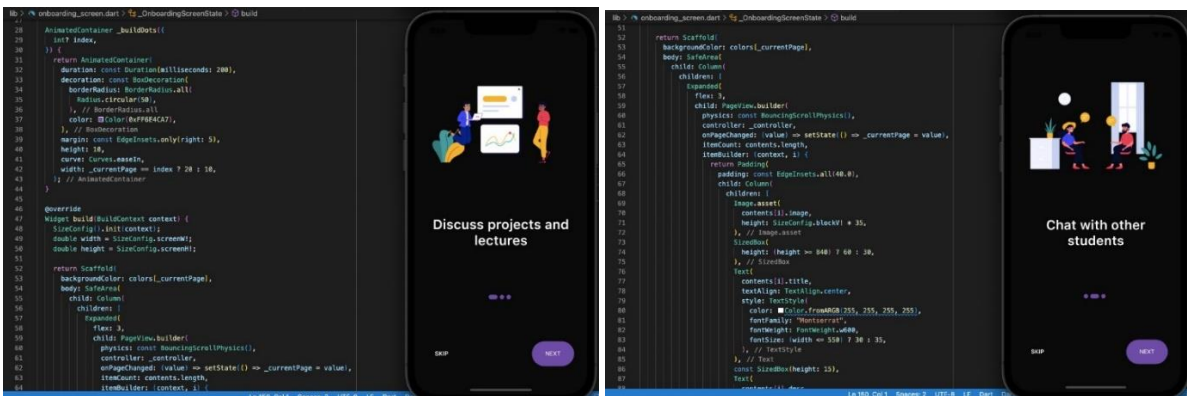
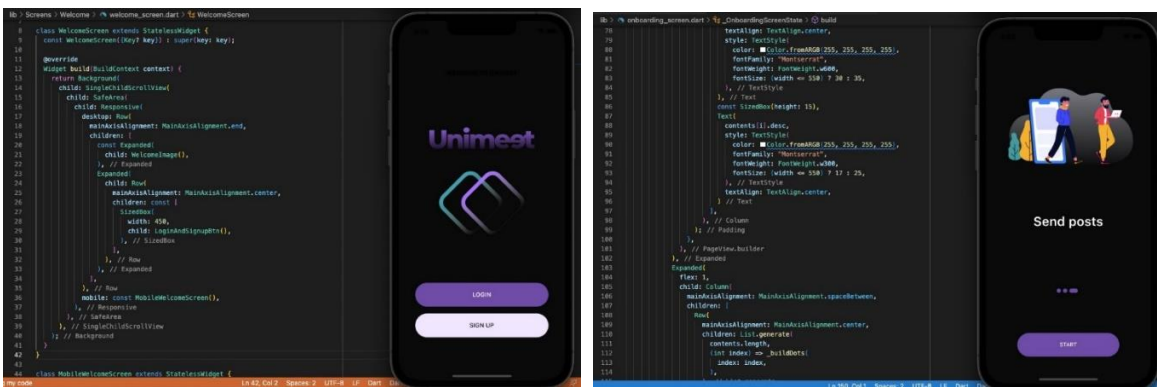
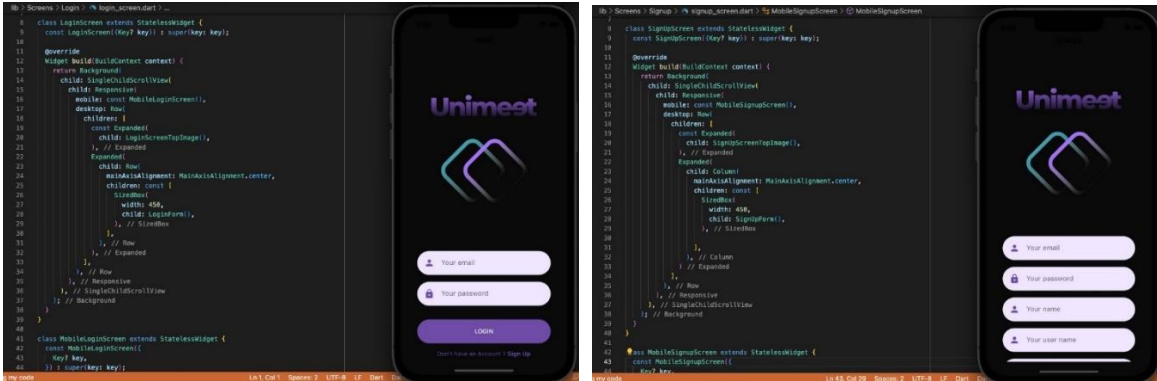
2 {
3   "content": "First Post",
4   "user": null
5 },
6 {
7   "content": "Second Post",
8   "user": null
9 },
10 {
11  "content": "Third Post",
12  "user": null
13 }
  
```

On the right side of the image, a file tree structure is visible, showing the project organization for 'unimeetvbackenyeni (in Unimeetv1)'. The 'src/main/java' directory contains several packages, with 'edu.unimeet.entities' highlighted by a dashed box.

- edu.unimeet
  - edu.unimeet.business.manager
  - edu.unimeet.business.service
  - edu.unimeet.controller
  - edu.unimeet.dto
  - edu.unimeet.entities**
  - edu.unimeet.GenericResponse
  - edu.unimeet.repository

- Kemal : *UI Design*

This week I created Onboarding screen and an alternative design for login and signup pages that will be implemented by the mobile dev if possible ( view the preview [HERE](https://youtu.be/z3pQUJB_fnc)) ([https://youtu.be/z3pQUJB\\_fnc](https://youtu.be/z3pQUJB_fnc))



## **Plans for the Following Week**

- Create the home page.
- Create functional posts in mobile.
- Write the codes to store posts on firebase storage and database.
- Improve the overall design.
- Write the backend of posts.
- On the Frontend create login and signup using the backend created this week.
- Create sidebar to toggle between pages in the frontend.
- Improve user's profile on the frontend.