

# MEMO APP



Team members: G'ayrat Mamataliev U1510078  
Azizjon Nigmatov U1410128  
Valisher Kodirov U1410126

In our Memo App we created login, register, list of notes, add memo pages, database. In our project we used **Firestore** for login activities, and **Database** for saving the notes on device.

The screenshot shows the Firebase Authentication console for a project named 'MemoApp'. The left sidebar contains navigation links for Project Overview, Develop (Authentication, Database, Storage, Hosting, Functions, ML Kit), Quality, and Analytics. The main content area is titled 'Authentication' and includes tabs for Users, Sign-in method, Templates, and Usage. A search bar at the top of the Users tab allows searching by email address, phone number, or user UID. Below the search bar is a table listing three users:

Identifier	Providers	Created	Signed In	User UID ↑
aziz@gmail.com	✉	Dec 19, 2018	Dec 20, 2018	EZAMekF4JXc10pKCZakHQnJ6po...
gayrat@gmail.com	✉	Dec 14, 2018	Dec 18, 2018	WQQUQFw2n7eZJy9Tr4nBgvRnaY...
valisher@gmail.com	✉	Dec 19, 2018		ecq6ochS7Rd7b9cU0fDGm5rrCup2

At the bottom right of the table, it indicates 'Rows per page: 250' and '1-3 of 3'.

**1) (Register class) (Created by student Azizjon)** When user wants to register, his/her information will be created and saved by firebase service

```
firebaseAuth.createUserWithEmailAndPassword(email.getText().toString(), pass.getText().toString()).
```

If email and password formats are acceptable, then user profile will be created and user will be redirected to the main page. **(password must contain letters and numbers and length must be not less than 6 characters)**

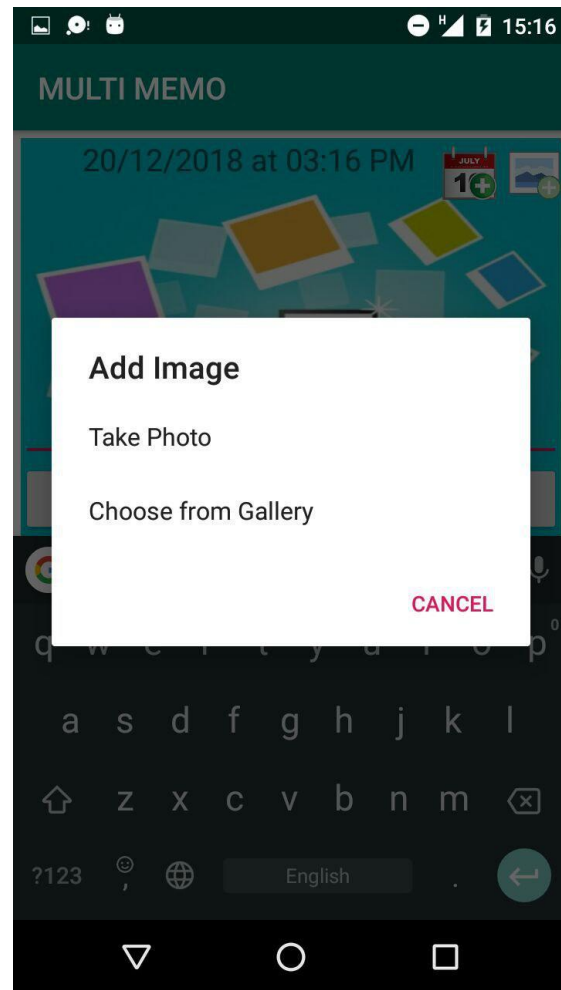
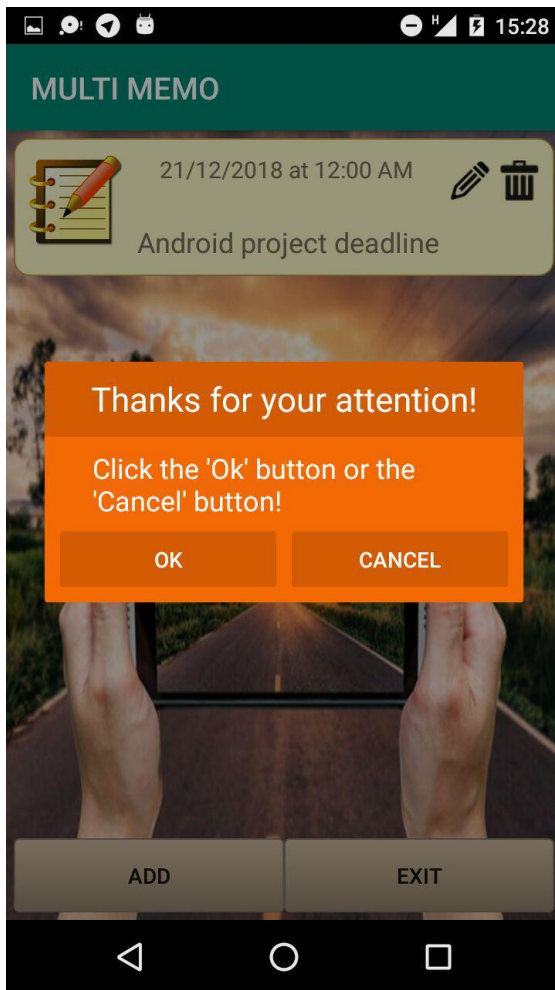
**2) (Login class) (Created by Student Azizjon)** When user tries to enter his/her profile, email and passwords are checked by

```
firebaseAuth.signInWithEmailAndPassword(email.getText().toString(), pass.getText().toString()), correctness of login and passwords are checked by if() statement, if they are correct Toast "Successful" appears and user will be redirected to main page (MainActivity.java) class, else "Error" message will appear.
```

**3) (MainActivity class) (Created by student G'ayrat)** In the main page user's notes will be appeared, we used listView variable to save the elements(notes) inside the onCreate method. Notes are saved in database memo.db. Database is accessed by DatabaseOpenHelper.java and DatabaseAccess.java classes. When user first registers into app and writes his/her first notes onCreate() method inside DatabaseOpenHelper.java class will work and creates table.

onResume method is used for getting memos from database and displaying them in list view. In the bottom of the page we have 2 buttons(ADD and EXIT). When Add button is clicked, onAddClicked method will be executed and user goes to WritingMemoActivity.java.

For EXIT button we used dialog box with animation (material design). When EXIT button is pressed the dialog box pops up asking permission to exit. If user clicks Ok button user goes to login page, if Cancel button is clicked user stays in main page.



4) (WritingMemoActivity class) (Created by student Valisher) User can add notes, pictures, and can choose the date by calendar and save them.