

Mobile app for Birzeit University Students:

A complete and functional mobile app that can be beneficial for Birzeit Students. You can think of any idea for the app that can help make students life during their study easier and more productive. It is up to you to choose which ever the idea you like the most.

We designed app that help Birzeit student, and we design small panel for admin.

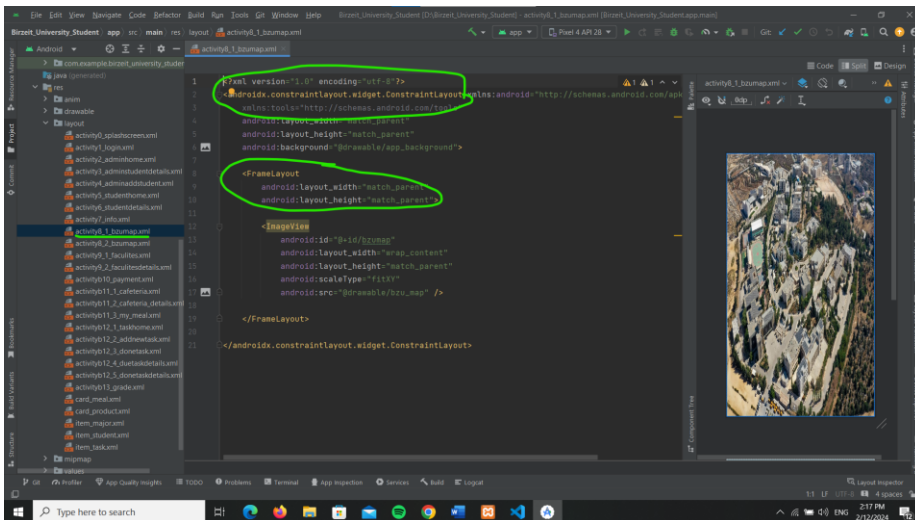
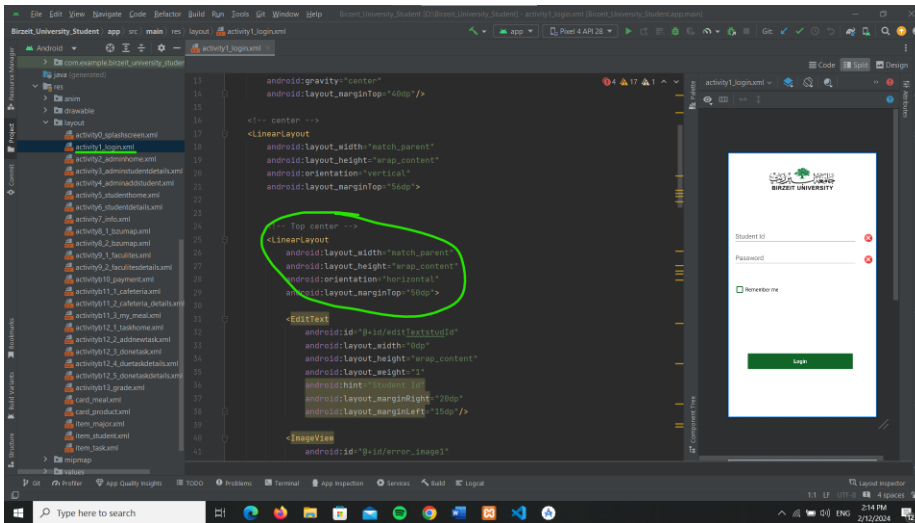
Admin functionality:

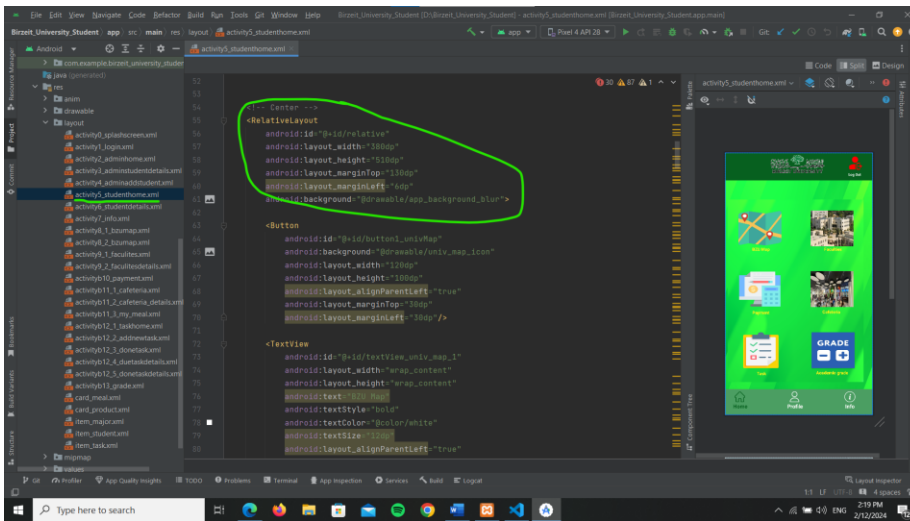
- Maintain(add,delete,update) student.
- View student info.

Student functionality:

- View university map.
- View all faculty major details by click on specific faculty.
- Calculate how much should pay on semester according to its major hour cost.
- View all cafeterias product by click on specific cafeteria and can search for product.
- Add orders and can order by specific quantities, view order, checkout order.
- View done task and due task, add task, delete task.
- Caculate academic grade.
- View its information.

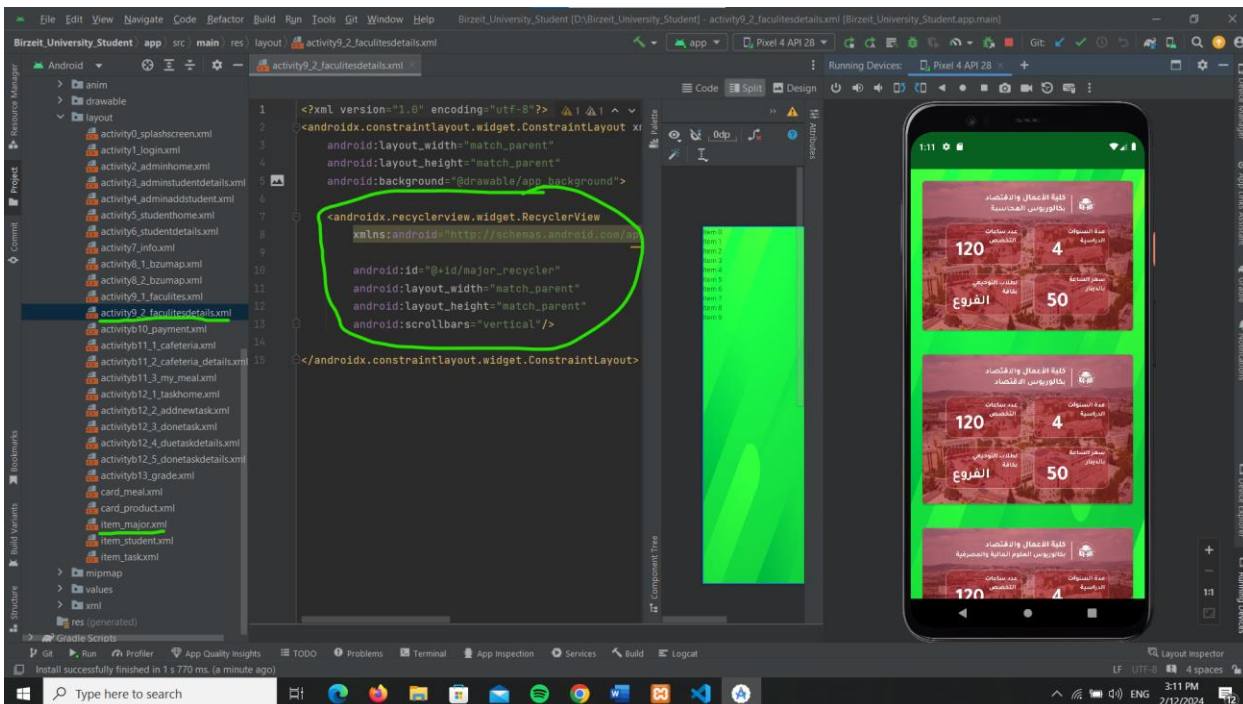
1. Should have a variety of layouts, such as Linear, constraint, and Relative layouts.

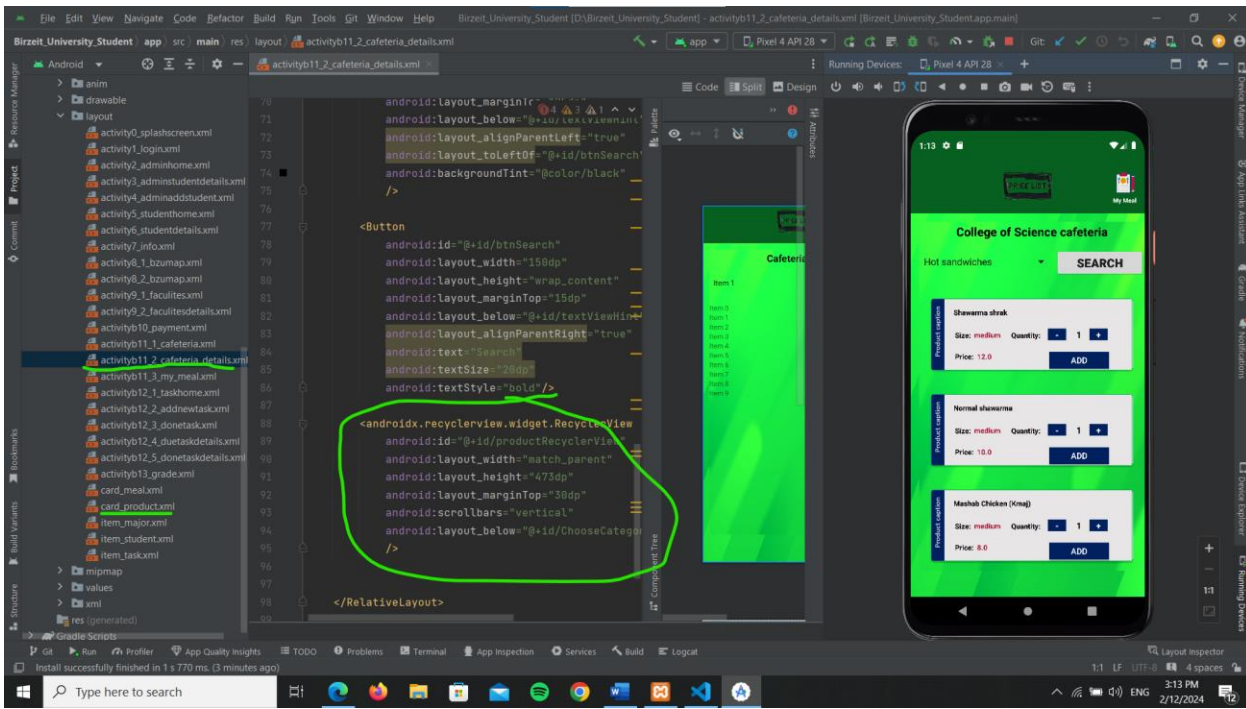




2.

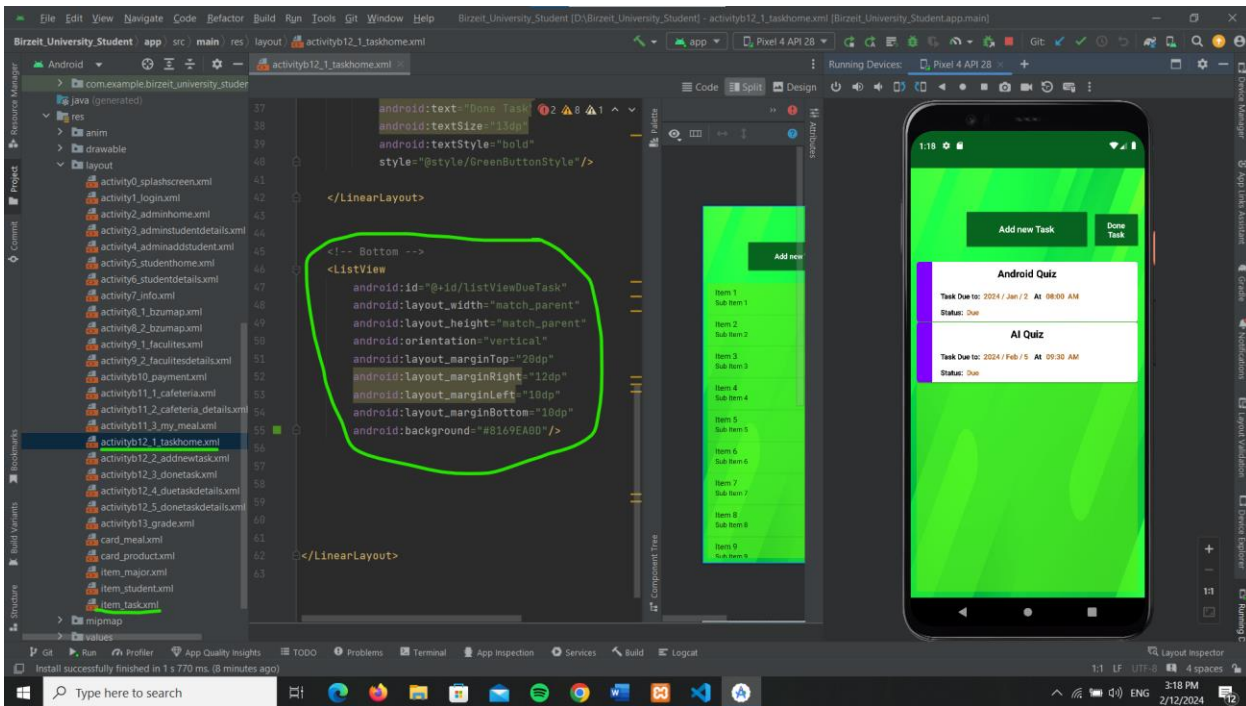
2. Should apply Recycler Views were possible.





3.

3. Should apply ListViews.



And we use it on other activity.

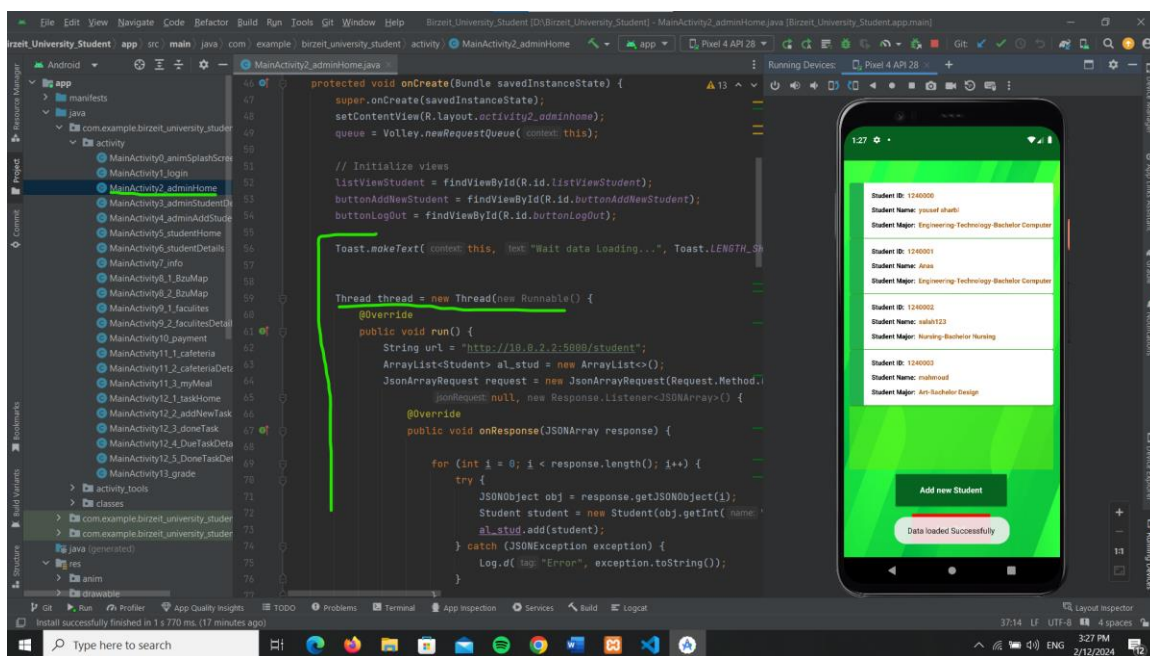
4.

4. Should have a large variety of UI Views, such as dynamic Spinners, buttons, TextViews, EditText, Switches, ScrolViews, Date and Time Pickers, Dialogues, etc.

We used many of them and more, except Date and Time Pickers.

5.

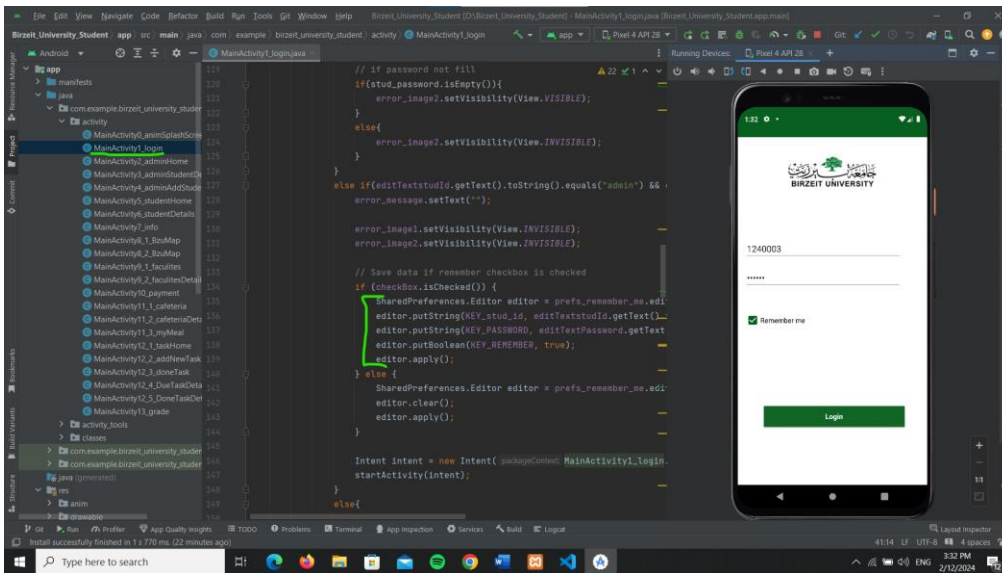
5. Should apply threads whenever possible to ensure app responsiveness.



We used threads on many places.

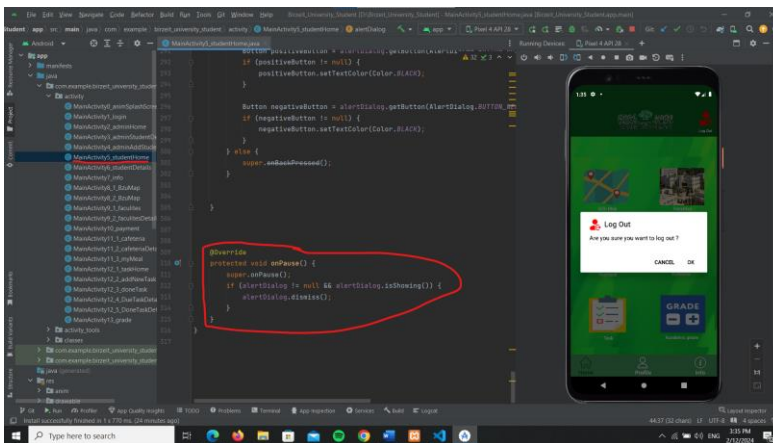
6.

6. Should take advantage of local storage using shared preferences were possible.



7.

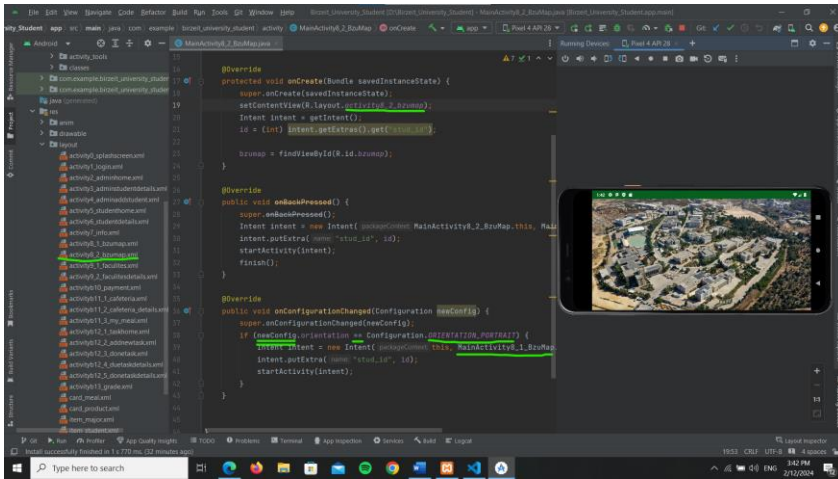
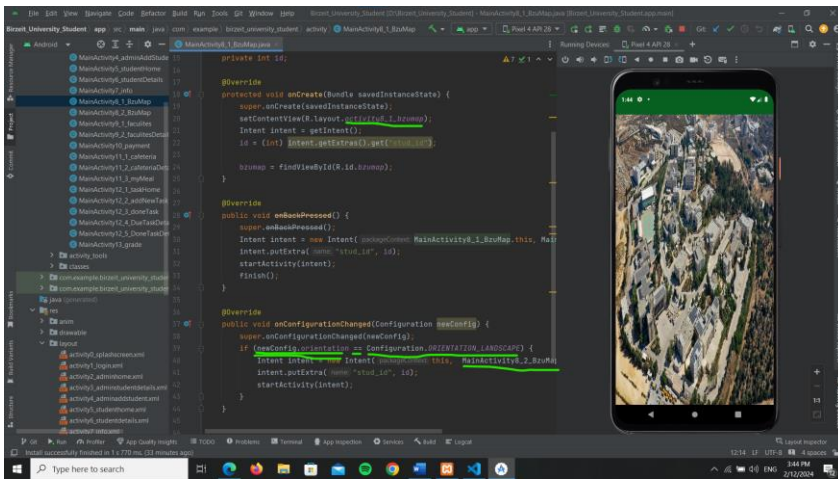
7. Correct Lifecycle management.



We just use onCreate() and onPause()

8.

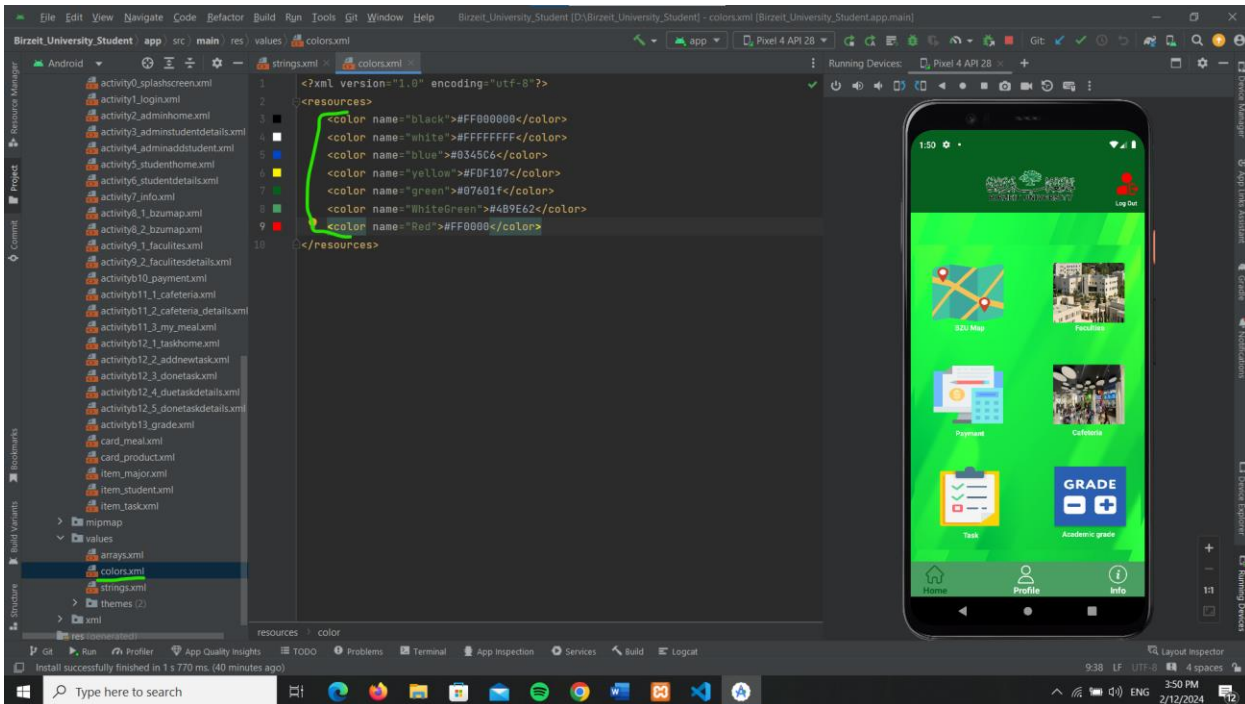
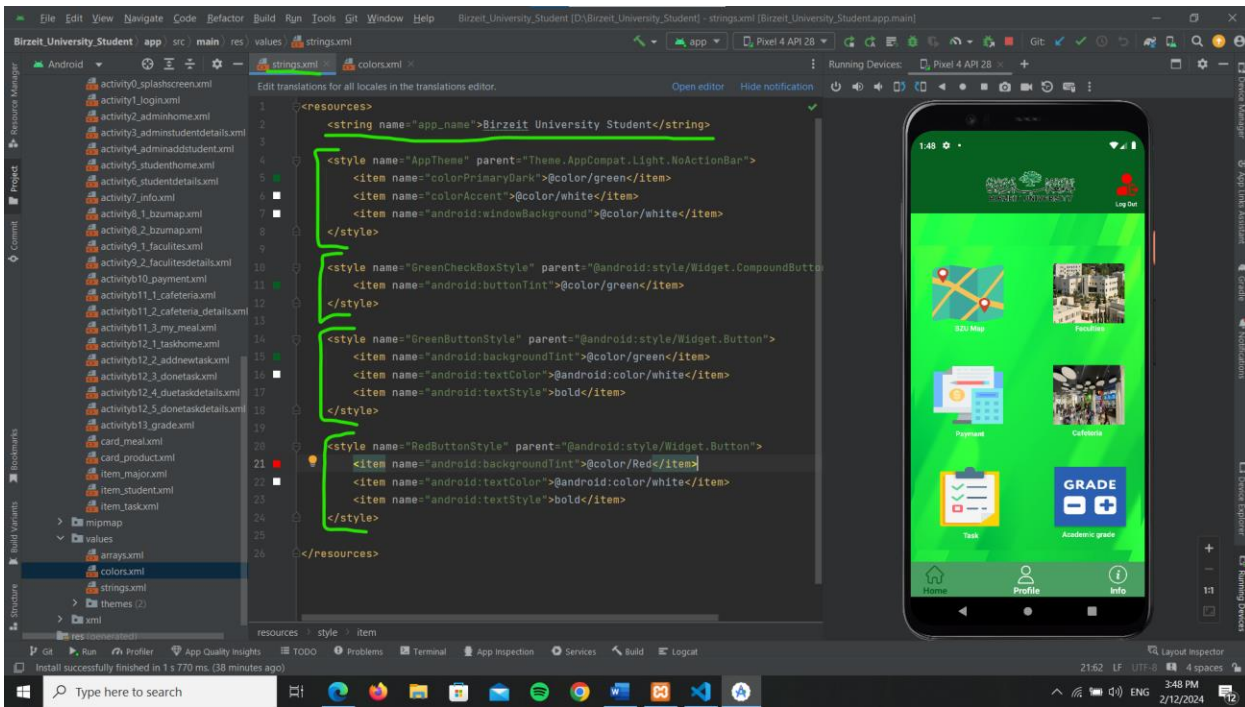
8. Correct change of orientation management.



9 and 10.

9. Centralized styling using **styles.xml**

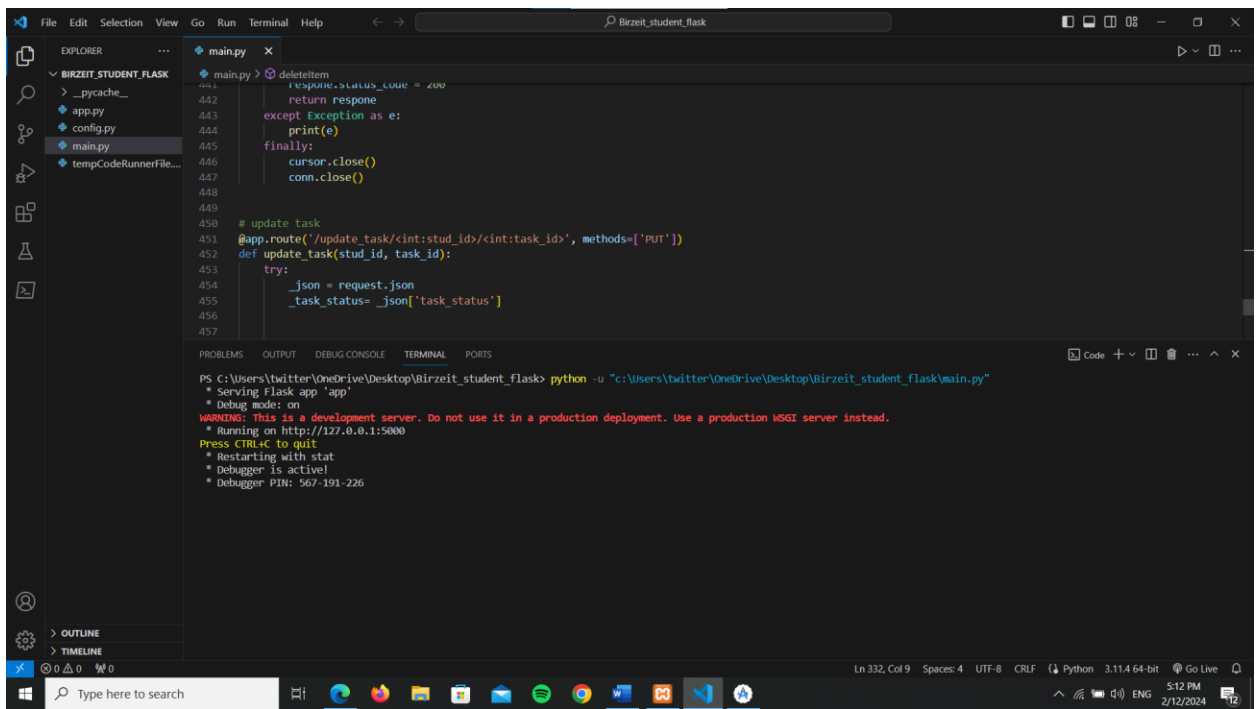
10. Centralized strings for UI using **strings.xml**



We used style in Strings.xml and we use colors.xml

11.

11. Major part of your app should be reading/writing data to a backend using either:



We use MySQL Database through Python Flask using Volley for all project.