## Mini report:

The environment configuration for the app is:

* SDK Version: Minimum SDK (API Level 24), Target SDK (API Level 34).
* Virtual Device for Emulation: Android 15.0 (API Level 35), Medium Phone (x86\_64 architecture)
* The SDK version is 34 and the virtual device for emulation is Medium Phone API 35.

The following report demonstrates what each person was responsible for:

Student Ilwad (student ID=22014624):

* In charge of the login system and the [LoginScreen.kt](https://github.com/ilwad123/mood/blob/master/app/src/main/java/com/example/mobile/LoginScreen.kt). file. (Finished by Ilwad).
* In charge of the main app navigation, which links all the pages together the [MainActivity.kt](https://github.com/ilwad123/mood/blob/master/app/src/main/java/com/example/mobile/MainActivity.kt) (Finished by Ilwad).
* Worked on the user session management ([UserSession.kt file)](https://github.com/ilwad123/mood/blob/master/app/src/main/java/com/example/mobile/UserSession.kt) to ensures the login state does not change while using SharedPreferences which was implemented throughout the app. Added SharedPreferences in all pages of the project so when app restarts the user session is persist. Created the logout functionality so users can logout. This has been added to the hamburger menu in [overview.kt](https://github.com/ilwad123/mood/blob/master/app/src/main/java/com/example/mobile/overview.kt) & [history.kt](https://github.com/ilwad123/mood/blob/master/app/src/main/java/com/example/mobile/history.kt) . (Finished by Ilwad).
* Developed the sign-up page, handles user signups and is stored in an internal storage as a text file .This is finished signup.kt file. (Finished by Ilwad).
* In charge of the mood selection page user can select mood and store it based on their userID and current datetime. Stored in an internal storage as a moodSELECT.txt text file. Finished in moodselect.kt. (Finished by Ilwad).
* Responsible for the history page that displays stored entries based on the user's data, displays mood, anxiety, stress and feeling notes. The card is expandable if either anxiety and stress entries are added, or both are recorded. They also have a built-in search function which checks through the entries and displays the matching entries. A calendar filter where the user can select a specific date, and the matching entries are displayed. Retrieves data from the internal storages text files. This is finished in the [history.kt](https://github.com/ilwad123/mood/blob/master/app/src/main/java/com/example/mobile/history.kt) . (Finished by Ilwad).
* Student Ilwad created overall mood count bar chart retrieved data from the internal storage text file. This is finished in the [overview.kt](https://github.com/ilwad123/mood/blob/master/app/src/main/java/com/example/mobile/overview.kt). (Finished by Ilwad).
* Student Ilwad added bottom navigation bar in [overview.kt](https://github.com/ilwad123/mood/blob/master/app/src/main/java/com/example/mobile/overview.kt) and [history.kt](https://github.com/ilwad123/mood/blob/master/app/src/main/java/com/example/mobile/overview.kt) providing links to all pages. (Finished by Ilwad).

Ayan Ibrahim – (student ID=19027655):

* I was in charge of creating the Anxiety Level page (AnxietyLevel.kt). It allows users to log their anxiety levels and feelings by selecting from pre-defined intensity options and entering notes as an option. Have also created an internal storage to save anxiety data as well as the feeling notes (Finished by Ayan).
* Was in charge of creating stress level page (stressLevel.kt) which allows users to log their stress level by selecting from predefined list and adding optional notes. Have also created an internal storage to save stress level data as well as the feeling notes (Finished by Ayan).
* I was responsible for creating an advice page (advice.k) that serves as a recourse hub for mental health support as well as providing the correct contact information. (Finished by Ayan).
* Created a reminder page (ReminderActivity.kt) that enables users to set a reminder with custom messages, vibration, and sound alerts. Also has a validation on the clock alarm which doesn't allow to set a reminder if it is past time. Nonetheless, it has the option to cancel, snooze or turn off as they wish. (Finished by Ayan).
* Created a Hamburger Menu in the Overview Page ([overview.kt](https://github.com/ilwad123/mood/blob/master/app/src/main/java/com/example/mobile/overview.kt) ) with full functionality and have integrated some of pages into the Menu such as AnxietyLevel.kt, stressLevel.kt, reminderActivity.kt and logout. (Finished by Ayan).
* On the overview page ([overview.kt](https://github.com/ilwad123/mood/blob/master/app/src/main/java/com/example/mobile/overview.kt) ) , I've created a Line graph that displays the overall trend of the AnxietyLevel over a time. This graph helps users to track their emotional patterns and identify potential triggers. Also, the data point is dynamically generates based on user's inputs, ensuring personalised insights. (Finished by Ayan).
* On the overview page ([overview.kt](https://github.com/ilwad123/mood/blob/master/app/src/main/java/com/example/mobile/overview.kt) ) , I’ve created a Pie chart that displays overall count stress level with percentage labels attached to each slice as the percentage is calculated as a fraction of the total and converted to degrees for the pie chart based on user's inputs. (Finished by Ayan).

ZAINAB AHMED - student ID=22039114 :

* Created all four pages for the medications (ReminderReceiver4.kt,MedMainPage.kt,DetailsPage.kt and medPage2.kt) and finished by Zainab Ahmed.
* I Handled internal storage to store data for the medications.
* I Created reminder (ReminderReceiver4.kt) that allows users to set reminder for medication time. This also, a functionality that sets reminder daily for a specific time
* I Added an edit page (DetailsPage.kt) that allows users to make changes to entry and delete if medication is not needed anymore. These changes are saved to users account and updates the file storing it.
* I Added validation to calendar for selecting dates for duration of medication on the addMediactionsScreen(Medpage2).
* Ensured each user has access to the medication they record on the app and is not lost when logged in again.