

Study Buddy

By: Nathan Raras, Ayoub Ibrahim, Salma Rashed,
Salma Elkadi, Andrew Noel, Andrew Le



Study Buddy

Email

Password

LOGIN

CREATE ACCOUNT

GUEST

Login Page

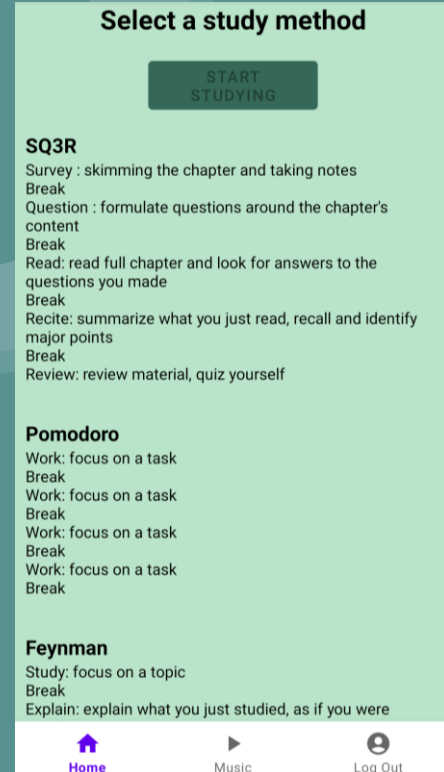
- Login will check if the info the user input is already in the database
 - If it is, it will continue to the main page
 - If not, the user is not allowed into the app and told “Authentication Error”
- Create Account will save the user’s information in the firebase
 - Information is stored as authentication information. This means requires the user input to be correct, eg johnsmith@gmail.com
 - If the user’s info is already in the database, it will not allow them to create a duplicate account
- User Information is stored on a firebase database
- Guest will just take the user straight to the homepage without any firebase verification

Study Methods

The app offers different study techniques and includes a timer feature for effective time management.

StudyActivity:

- It initializes variables for UI elements such as the start button, RecyclerView, and selected method TextView.
- The techniques list holds predefined study techniques with their respective steps.
- The myTechniques map maps techniques to their steps and durations.
- In the onCreate method, it sets the layout, configures the RecyclerView with the TechniqueAdapter, and handles click events on the start button and navigation items.

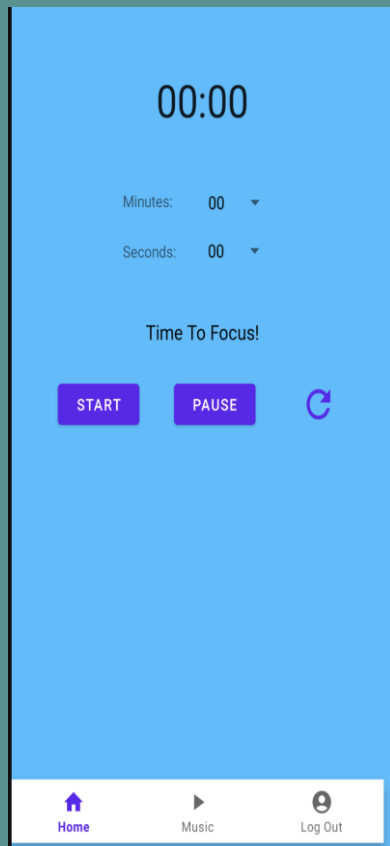


Customized Timer

The app offers a customizable timer feature for effective and flexible time management.

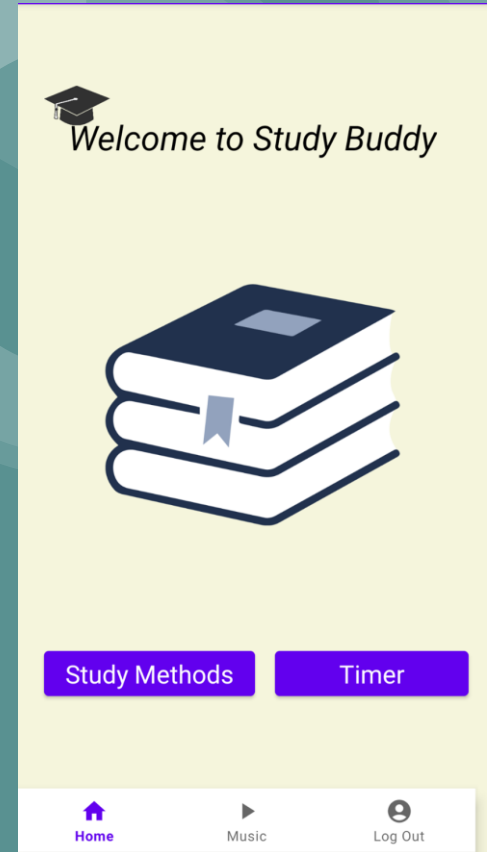
TimerActivity:

- It initializes variables for UI elements such as the start, pause and restart button, and selected method TextView.
- The activity uses the countTimerCountdown object to preform different features.
- In the onCreate method, it sets the layout, and handles click events on the start button and navigation items.



Bottom Navigation Bar

- This navigation bar is present on all pages! (Study Methods, Timer, Home, Music)
- Home
 - Functionality: Allow user to go back to the Home page and access other parts of the app
- Music
 - Functionality: Access to Android MediaPlayer API to allow users to play different Mp3 files while studying
- Log out
 - Functionality: To allow the user to log back out to the login page and access the application as a different user/guest



Android MediaPlayer API

- Allows user to control playback of a selection of raw audio files
 - User is able to start, pause, and stop the audio
- Audio continues to play when navigating through the application
- Issues:
 - Github has a maximum file size but works with any mp3 file size locally



Thank You!!

