

Software Implementation and Testing Document

For

Group 15

Version 2.0

Authors:

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1. Programming Languages (5 points)

List the programming languages use in your project, where you use them (what components of your project) and your reason for choosing them (whatever that may be).

C++ : we all know a proficient amount in this language to create a functioning app. This will be our backend

Java Script: Kayla knows java script very well for designing the front end

2. Platforms, APIs, Databases, and other technologies used (5 points)

List all the platforms, APIs, Databases, and any other technologies you use in your project and where you use them (in what components of your project).

Supabase: a Postgres database, Authentication, instant APIs, Edge Functions, Real Time subscriptions, Storage, and Vector embeddings.

Github: to store our repositories and code

We will use Supabase as our database to securely store user information and app data, including chats, matches, and other key interactions.

3. Execution-based Functional Testing (10 points)

The functionality of the home, sign-in, sign-up, profile creation, and class selection screens was successfully tested and confirmed using Expo Go.

Testing was conducted by creating test users and verifying their ability to sign back into their accounts. Errors encountered have been logged for further review.

Florida State University can successfully be selected in the drop down menu during profile creation.

Multiple classes can be selected on the class selection screen.

Images can be selected from the user's device to add as a profile picture, however an error has been discovered and logged.

4. Execution-based Non-Functional Testing (10 points)

As the sign-in process was tested, navigation to the next page was noted to be completed at optimal speeds.

Additional performance tests will be conducted after the implementation of the matching system.

5. Non-Execution-based Testing (10 points)

Code in the screens folder has been overviewed by all group members to understand implementation and prepare for additions/revisions needed for the next increment.