**Software Implementation and Testing Document**

**For**

**Group <9>**

Version 2.0

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# Programming Languages

* Java is used for the functionality of the Android app
* XML for the design of the application

# Platforms, APIs, Databases, and other technologies used

* Android is the basis of the entire program
* The content provider is built internally using a SQL database
* Firebase was used in the login and registration

# Execution-based Functional Testing

Testing was done by manually registering the users and logging them in to see if they worked. The content provider was tested by manually inserting data into the content provider.

The dates and time pickers were tested by showing the times or dates selected on the buttons.

# Execution-based Non-Functional Testing

Ran the different activities over time to test app stability.

It is very easy to find all the different options immediately which makes it easy for the end user.

It has the ability to run on different android phones as well as multiple android versions past 5.0.

Database consistency when writing and reading from the database.

# Non-Execution-based Testing

The code was cursorily looked over by other group members. Due to the amount currently done an extensive review beyond ensuring cohesion basic functionality didn't seem necessary yet. Although in the future when more parts of the project have been completed we will be checking over each piece of code. This will be done when we meet up with our group as it provides the best time for each of us to demonstrate a walkthrough of our progress thus far and also let everyone else critique and inspect each feature.