**Software Implementation and Testing Document**

**For**

**Group 29**

Version 1.0

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1. Programming Languages (5 points)

Our project will be for Androids, so we will be using Java for the main language and XML for the appearance of the application.

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

Our group is using Android Studio as our IDE, Wi-Fi Direct is one of the APIs being used.

3. Execution-based Functional Testing (10 points)

Our group is still in the process of making the functionalities for our project, but once we do, we will test it on multiple devices with different users. We will get non-affiliated parties to do quality testing and find any bugs that we’ve missed.

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

Our group is still working on the functional part of the project. After we have completed and made sure that our functionality is implemented, we will focus on the non-functional testing to see how efficient and reliable the project is.

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

We have implemented a source control system, in which we use pull requests to allow Jason to review the code for potential errors before merging.