

# **Software Implementation and Testing Document**

**For**

**Group 11**

Version 1.0

**Authors:**

John Torres

Mark Mori

Wilfredo Huertas

Juan Dagon

### **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).*

We are using React Native with TypeScript instead of JavaScript to build the Front-End component. For the database we are using Firebase, though we have yet to decide what framework we will use for the back 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).*

We are currently using the React-Native, along with its associated API Navigator in order to move fluidly through pages and send different information between components. For the database we are using Firebase to easily handle backend-database interaction.

### **3. Execution-based Functional Testing (10 points)**

*Describe how/if you performed functional testing for your project (i.e., tested for the **functional requirements** listed in your RD).*

We have tested the login and register pages with our database to make sure that it takes in the correct parameters and only shows the user the homepage if a user's information has been authenticated by the database. the team is authorized to access the home page, where dummy pages for featured and recent posts can be accessed. We have also created dummy User Stories that are semi-interactable, where clicking expands them and takes the user to a new page. The team can create new posts, adding these user stories to the feed.

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

*Describe how/if you performed non-functional testing for your project (i.e., tested for the **non-functional requirements** listed in your RD).*

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

*Describe how/if you performed non-execution-based testing (such as code reviews/inspections/walkthroughs).*

I have personally talked with the team multiple times as to how everything works and how I implemented each component of the front-end. I have explained how to download the repository and all the dependencies. In addition, I have explained how to create basic components and have left them pages to create, style, and test to their hearts content. I will also add these steps for installing and running the program to the READ.ME for better understanding.