**Software Implementation and Testing Document**

**For**

**Group 10**

Version 1.0

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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#
  + For the general functionality of the app involving the buttons and things which can be interacted with
* Xaml
  + For the formatting of the pages and adding the dynamic binding

**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).

* FireBase
  + Firebase is used currently for the firestore RealTime database to allow us to save data to an online source. Other than that we have not used it for anything else at the moment
  + We are using the RealTime Database at the moment, not the Firestore Database
* .NET Standard

**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).

* Testing Add and Delete
  + We tested add and delete items by simply adding items and deleting them inside the application to see if it was updating on the screen and also updating on the backend inside the database.
  + Currently we are looking to test the delete more b/c currently we cannot see it updating fully on the listing screen

**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).

* We tested the non-functional requirements by seeing loading times
* In order to test the asthetics of the mobile app, we each did the squint test to see where our eyes were drawn to. We also discussed to make sure we all liked the look of the user interface.
* We also inspected the code to make sure non of the features took too long to execute.
* We also asked friends and family if they had anyfeed back for the look and feel of the user experience.

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

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

* We had a meeting on zoom where we review our code to ensure that it is easily readable and modular.
* We also used peer programming creating the delete button, and reviewed the coded to decide which version to implement.
* We practiced standard good programming practices while we were working to ensure good design.