Software Implementation and Testing Document

For

Group 5

Version 1.0

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1. Programming Languages (5 points)

For this project we are currently using the MERN stack, so a lot of our project is done in Javascript and Typescript. We are using HTML5 and CSS3 on the frontend. In the backend we are just using Javascript. To query our database we are using SQL.

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

When it comes time to deploy, we are going to use vercel for the project. Currently we are using the Auth0 for user authentication and login through Google, the Plaid API for connecting to user's bank accounts, Tailwind CSS for styling, and React for the overall site. Auth0 is a great because it saved us from having to completely code out user authentication on our own and allows Google login which is convenient. We used the Plaid API because it is one of the most popular banking APIs and allowed us to efficiently and conveniently connect to dummy data (and hopefully real data once we get confirmation). Tailwind CSS is great because it allows us to easily make the site responsive and have the styling options we like. Finally, we used React because the optimization for SEO is great and it is a great modern framework that we should all have experience in using.

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).*
Not required for this increment

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.*
Not required for this increment

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

Describe how/if you performed non-execution-based testing (such as code reviews/inspections/walkthroughs).
Not required for this increment