**CS2001 Deliverable 4 – Sprint 1 Review and Sprint 2 Plan**

**Group 26**

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**Sprint 1 Review**

Our initial goals for Sprint 1 were to complete both documentation and code two key pages for the application, from front-end to back-end. Our team managed to get many documentation tasks done, however we unanimously made the decision to move all front-end and back-end subtasks to Sprint 2. Due to this decision, we were able to home in on solidifying our system design and structure by completing a documentation that would be used for guidance throughout all upcoming sprints.

For us to flesh out the visual design as much as possible, we completed two extra documentation subtasks, those being to create web page mock-ups and to create a style template that we would all refer to when using CSS in the future. Additionally, we began to setup our back-end by creating a virtual machine on Microsoft Azure which would host the MySQL server.

Note: Any tasks with the tag “New” are recent additions to the Sprint 1

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| Sprint Goal | Subtasks | Responsible |
| Complete documentation of concepts and system designs | Flowcharts | Ademola Emiabata, Dylan Brown, Lewis Bicknell, Niall Chandler |
| Pseudo-code | Ademola Emiabata, Joel Jijo, Tolu Olasupo, Lawrence Liu |
| Entity-relationship diagram | Ademola Emiabata |
| Wireframes | Ademola Emiabata, Dylan Brown, Liviu-Teodor Trifan |
| Use case diagrams | Niall Chandler |
| New - Mock-ups | Liviu-Teodor Trifan |
| New - Style Template | Ademola Emiabata, Dylan Brown, Joel Jijo, Niall Chandler, Tolu Olasupo |
| New - Create a prototype page | Code the home page | Lawrence Liu |
| Make a logo | Make variants of the logo | Liviu-Teodor Trifan |
| New - Set up GitHub account | Add members to GitHub | Niall Chandler |
| New - Create MySQL server | Create Virtual Machine on Azure | Ademola Emiabata |
| Create MySQL server on Azure Virtual Machine | Niall Chandler |

**Sprint 1 Retrospective**

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| --- | --- |
| What went well in Sprint 1? | What could’ve gone better in Sprint 1? |
| * Making use-case diagrams to show how users would interact with the application * Designing an entity-relationship diagram to model the data base * Using flowcharts to visualise the algorithms being used on the back-end of the application * Learning how to create wireframes and making them easy to understand * Web page mock-ups * Creating a style template that can be used throughout the development of the application to ensure the format and theme says consistent * Understanding the difference between a good and bad logo * Setting up & creating a Virtual Machine on Microsoft Azure * Fast responses from the group * Creating the GitHub page * Learning how to design ideas around an application * Beginning to learn HTML and CSS, and JavaScript, diversifying our coding knowledge * Starting to use React to build UI * Writing a range of pseudocode to make the coding process much straighter forward for next sprint * Learnt the importance of organization and planning * Coding a prototype home page * Unanimous agreements on the features we should prioritise | * It would’ve been nice if we'd made the Spending Input & Budget Allocation pages in Sprint 1. * More wireframes/mock-ups could’ve been completed sooner. * Some group members could’ve contributed more since some did more than others. * Not everyone can easily access the GitHub page yet. * We were not able to all meet in person very often, meaning that there were times where we were not all on the same page. * Attending all group meetings to ensure our work is of a high quality * Planning more thoroughly overall |

**Sprint 2 Plan**

In Sprint 1, Niall & Ademola were the co-leaders. Joel and Dylan will be the co-leaders for Sprint 2.

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| Sprint Goal | Subtasks | Responsibility |
| Allow users to navigate different pages on the application. | Sign Up Page Front-End | Ademola and Liviu |
| Sign Up Page Back-End | Ademola and Liviu |
| Log In Page Front-End | Dylan and Niall |
| Log In Page Back-End | Dylan and Niall |
| Home Page Front-End | Lawrence and Lewis |
| Home Page Back-End | Lawrence and Lewis |
| Spending Input Page Front-End | Joel and Tolu |
| Spending Input Page Back-End | Joel and Tolu |