Project Proposal

**Project:** Web Summarizer and URL Shortener

**Software Engineering Process:** Scrum

**GitHub Repository:** <https://github.com/MaulikMann/COSC-4P02.git>

**Members:**

|  |  |  |
| --- | --- | --- |
| Maulik Mann | 6994214 | [mm20as@brocku.ca](mailto:mm20as@brocku.ca) |
| Adrian Binu | 6970677 | [ab19xe@brocku.ca](mailto:ab19xe@brocku.ca) |
| Thanushan Pirapakaran | 6890206 | [tp19uy@brocku.ca](mailto:tp19uy@brocku.ca) |
| Vishant Khamar | 7062920 | [vk20if@brocku.ca](mailto:vk20if@brocku.ca) |
| Devaan Zastrow | 6932842 | [dz19xr@brocku.ca](mailto:dz19xr@brocku.ca) |
| Michael Boulos | 6973523 | [mb19ep@brocku.ca](mailto:mb19ep@brocku.ca) |
| Jason Hunter | 6744247 | [jh19pp@brocku.ca](mailto:jh19pp@brocku.ca) |
| Brett Terpstra | 6920201 | [bt19ex@brocku.ca](mailto:bt19ex@brocku.ca) |
|  |  |  |

**Meeting Time:** Tuesdays 3:30pm-4:30pm

**Sprint Cycle:** 2-week sprints

**Sprint Review Meeting:** Every Second Tuesday starting Feb 13

**Communication Channel:** Discord and Brock Email

**Product Owner:** Maulik Mann

**Scrum Master:** Vishant Khamar

**Dev Team:**

* Adrian Binu
* Thanushan Pirapakaran
* Devaan Zastrow
* Michael Boulos
* Jason Hunter
* Brett Terpstra

**Agile-Scrum Methodology:**

This project uses techniques and process related to the Scrum development cycle. The Scrum process model is an agile process model for managing and delivering software projects. In addition, we can utilize iterative and incremental development that allows us to respond to changing requirements and deliver increments of work at the end of short time periods called sprints.

**Problem:**

In the ever-growing internet landscape, users often face the challenge of information overload. The abundance of content can be overwhelming at times, making it difficult for users to quickly grasp essential information. Additionally, sharing lengthy URLs is awkward and aesthetically unappealing, and they can be hard to copy - especially in the context of social media apps. There is a need for a solution that addresses these challenges by providing users with concise summaries of web content and an efficient URL-shortening service. Such a service could also result in saving users a lot of time, since it is much quicker to simply read a summary of something rather than absorb the entirety of the content itself.

**Objective:**

The objective of this project is to provide an adaptable tool that will meet the needs of users who want to share brief links or who want rapid access to summarised versions of articles, videos, and web material.

**Importance:**

Users who do not have the enough time for reading through complete articles, videos, or papers or have difficulty navigating advertisement ridden websites will benefit from the ability to reduce large online information into shorter, more digestible versions, saving them time and the trouble of being bombarded with advertisements. Additionally, a website summarizer will help professionals, students, and researchers effectively obtain important information from several sources in convenient summarized deliveries.

**Description:**

In weekly sprints, we plan to create a full-stack webpage that summarizes webpages, and other online articles in addition to a function that can shorten URLs. Furthermore, one-week sprints serve as the foundation for the development process. The tool is designed for generating concise summaries and shortened links for online content. It accepts URLs for webpages or YouTube videos, producing a summary along with the option of shortening the URL. The tool offers both free and pro features, with functionalities such as short link creation and content summarization using LLMs. Additionally, we will be including premium features that are available to users after logging into their pro account.

**Contributions:**

The proposal was made during our group meeting, while everyone was present and contributing.

**Timetable:**

|  |  |
| --- | --- |
| Jan 9 - Jan 16 | * Create Group * Decide on Project * Create Github Repository * Assign group roles * Create and submit Proposal |
| Jan 16 - Jan 26 | * Generate User Stories * Create Product backlog * Create Sprint Backlog * Create and Submit Release Planning Document |
| Jan 29 - Feb 13 | * Begin development and first sprint * Have First sprint review meeting (Feb 13) |
| Feb 13 - Feb 27 | * Begin second sprint * Have second sprint meeting (Feb 27) * Test prepared version of Web Summarizer/ URL Shortener * Release Version 1 of Web Summarizer/ URL Shortener * Create and Submit Progress Report 1 (Feb 27) |
| Feb 27- Mar 12 | * Begin third sprint * Have third sprint meeting (Mar 12) * Test prepared version of Web Summarizer/ URL Shortener * Release Version 2 of Web Summarizer/ URL Shortener |
| Mar 12 - Mar 26 | * Begin fourth sprint * Have fourth sprint meeting (Mar 26) * Test prepared version of Web Summarizer/ URL Shortener * Release Version 3 of Web Summarizer/ URL Shortener * Create and Submit Progress Report 2 (Mar 22) |
| Mar 26 - Apr 9 | * Begin Fifth sprint * Have fifth sprint meeting (Apr 9) |
| Apr 9 - Apr 23 | * Begin Last sprint * Have Last sprint meeting (Apr 23) * Test prepared version of Web Summarizer/ URL Shortener * Release Final Version of Web Summarizer/ URL Shortener * Begin creating Final Report (Apr 15) |
| Apr 23 - Apr 28 | * Submit Progress Report 2 (Mar 22) * Have Final Demonstration/Presentation (TBD) |