Project Proposal

**Project:** Web Summarizer and Shortener (Website/Database)

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

**Software Engineering Process:** Scrum

**Members:**

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

**Sprint Cycle:** 1-week sprints

**Communication Channel:** Discord and Brock Email

**Product Manager/Owner:** Maulik Mann

**Scrum Master:** Vishant Khamar

**Stakeholder:** TAs and Professor

**Dev Team:**

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

**Frontend:** HTML, CSS, JavaScript

**Backend:** Open-Source Backend Application

**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, films, and web material. It will also have the capacity to shorten URLs.

**Importance:**

It helps to save time, to explain users who do not have the ample amount of time for reading through complete articles, videos, or papers will benefit from the website's ability to reduce large online information into shorter, more digestible versions, saving them time. Additionally, these kinds of websites will help professionals, students, and researchers effectively obtain important information from several sources. They support information synthesis, different standpoints, and detail categorization.

**Description:**

In weekly sprints, we plan to create a full-stack webpage that summarizes webpages, and other online articles in addition to shortening 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 a shortened 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.