

# CS 242 Final Project Proposal

<Readify>

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## 1. Abstract

### 1.1. Project Purpose

The purpose is to allow people to read content of a webpage faster using speed reading techniques

### 1.2. Background/Motivation

I've never worked on anything like this before, which is why it interests me. Efficiency in life is always important, and if speeding the time we take to read things helps, then I want to improve that.

## 2. Technical Specifications

2.1. **Platform:** Regular desktop app, maybe web app (see enhancements)

2.2. **Programming Languages:** Python

2.3. **Stylistic Conventions:** Standard Python conventions for commenting, function headers, etc.

2.4. **SDK:** Python SDK, TKinter for GUI

2.5. **IDE:** PyCharm EDU

2.6. **Tools/Interfaces:** (i.e. Android phone, Bluetooth tag, Google Chrome)

2.7. **Target Audience:** People who want to read at a faster pace

## 3. Functional Specifications

### 3.1. Features

The project will basically take a user input URL of a webpage and output a 'speed reading' format back to the user. This format will remove clutter and allow the user to read much faster while still comprehending the information

### 3.2. Scope of project

As much as I can get done in 4 weeks

## 4. Timeline:

### 4.1. Week 1

4.1.1. Given URL, parse webpage and find content that is related to what user wants. This means no ads, pictures, etc.

4.1.2. Research speed reading methods and best practices, etc.

4.1.3. Find output formats to allow user to read quickly i.e. 3 words, 1 sentence, etc.

## **4.2. Week 2**

4.2.1 Work on perfecting GUI – center buttons, input boxes

4.2.2 Allow user to input name of a text file

4.2.3 Print information back to user within GUI

4.2.4 Manual Test Plan

## **4.3. Week 3**

4.3.1 During printing, highlight words one at a time

4.3.2 Add a Cancel button to cancel data printout

4.3.3 Add a pause button to pause data printout momentarily

## **4.4. Week 4**

4.4.1 More graphic design to make GUI more attractive

4.4.2 Implement sliders instead of text boxes for selecting speed

## **Future Enhancements**

It would be cool to move this functionality to a website and/or browser extension. I believe that having a standalone app would be too much of a hassle, but I'm not confident in my web development abilities to do it from the start.