CSE199R Project Proposal Template

Student Name: \_Nathan Raventos\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Title: \_\_Google/Canvas calender extension

# 1. Project Description

Briefly describe your project. What will it do? What will the final product look like or be able to do? Think big!

I want to create my own Chrome Web extension that combines Google Calendars and Canvas Calendar in a UI that I like. This will also include color coding based on classes and priority of item, countdown timer, filters such as “show only quizzes”, as well as a portion that will allow user to create tasks and schedule goals. Along with this, I want to add a timer portion that will track work sessions, create break times and provides weekly reports of focus/idle time on the computer along with a “focus time” feature.

There are many other features I can add if I have time. I like some of them like a distraction blocker(blocks messages, emails and websites while on focus time), different themes, assignment sorting methods, custom notifications, auto canvas refresh, mobile app/desktop app and cloud backup)

# 2. Purpose & Motivation

Why are you excited about this project? What do you hope to learn or experience? What are your goals with this project?

I hate switching between calendars in canvas and Google, and I also am not the biggest fan of the UI with canvas. I’m not great at focusing for long periods of time, so I wanted help with a focus mode that shows when I can have breaks and stuff. Overall, I want all of these things in one place so I can fully focus on my assignments and calendar without missing anything.

# 3. Intended Users or Audience

Who is this project for? Is it just for you, or does it solve a problem for someone else?

This design is mostly for me, but I think anyone can use it. All it will require for others is their canvas key so the extension can connect to their canvas calendar.

# 4. Technologies and Tools

List any programming languages, software, libraries, or tools you plan to use. Remember, this is an initial proposal, so it’s alright if you don’t know all of this yet. Just do your best to fill out what you know.

JavaScript, HTML, CSS. I don’t actually know any of these, I only know backend languages like python and C#, so I’m going to have to learn all of these.

# 5. Stretch Goals (Optional)

If you finish your main project early, are there any extra features you’d like to try?

There are many other features I can add if I have time. I like some of them like a distraction blocker(blocks messages, emails and websites while on focus time), different themes, assignment sorting methods, custom notifications, auto canvas refresh, mobile app/desktop app and cloud backup)

# 6. Anticipated Challenges

What are some possible roadblocks or tricky parts of this project?

I think the trickiest part of this project will be to learn the languages required. I’m not comfortable with any of them that I listed above, so I’m a little nervous with that. Besides that, chrome extensions can be finicky when it comes to canvas I’ve heard, so that might be a roadblock to get everything consistent.

# 7. Milestone Plan

Give a rough timeline for your project progress. Do the best you can, this can be adjusted as you go. The below descriptions in italics are samples you can use to help you get started.

Sprint Number Milestone Description

1 (Weeks 2-3) *Research phase. Research Canvas DOM, HTML, CSS, JavaScript.*

2 (Weeks 4-5) *Get simple extension running to show canvas assignments*

3 (Weeks 6-7) *Color coding, due date countdown, content loading.*

4 (Weeks 8-9) toggles, settings, themes

5 (Weeks 10-11) productivity timer/focus mode and rest mode.

6 (Weeks 12-13) stats tracking, bug testing and final features.