Final Deliverable

StudySync Web Extension

Sunidhi Abhange

Gage Fleming

Hashem Ramadan

Mason Waldapfel

University of London

CM2020: Agile Software Projects

Team 68 (Tutor Group 6)

Table of Contents

[1 Introduction 3](#_Toc157370736)

[2 Background 4](#_Toc157370737)

[3 Planning and Research 5](#_Toc157370738)

[4 Prototyping and Iteration 6](#_Toc157370739)

[5 Design 7](#_Toc157370740)

[6 System Development 8](#_Toc157370741)

[7 Analysis 9](#_Toc157370742)

[8 Evaluation 10](#_Toc157370743)

[9 Conclusion 11](#_Toc157370744)

[10 Individual Reflection (Name) 12](#_Toc157370745)

[11 Appendix 13](#_Toc157370746)

[12 References 14](#_Toc157370747)

# 1 Background

## 1.1 Introduction

Two months ago, our group proposed a project, StudySync, that would meet the vision statement below. The proposal laid out a quality plan to ensure our team could bring this vision to life. Our team has worked diligently during the past months to bring this project to life through iterative development and a user-centred design philosophy.

“For computer science students enrolled in the program offered via Coursera and the University of London who need help to limit distractions to their studies, StudySync is a web extension that will provide a single point of access to study productivity tools. The web extension will use a whitelist to block all web traffic except for the URLs specified. The system will combine this with time-tracking analytics to provide actionable feedback on the quality of the user’s study sessions. The time tracker will track students' time spent studying

during semesters in each class and each specific task within classes. This extension will increase students’

productivity and provide actionable statistics to help guide their study sessions. This enables students to

create better study habits and become better students. Unlike the current productivity web extensions on the

market, our product will integrate directly with the Coursera website, contain no paywall, and come with out-

of-the-box functionality to combine into a low barrier to entry Coursera productivity extension.”

This final report details the successful implementation of the project and highlights the intricacies our team navigated in completing the project. The reader will understand why our group made certain decisions and how the implementation came to be. Finally, the report will reflect on the overall process from a group and individual perspective. Developing new skills and overcoming setbacks has been challenging and rewarding. Our team is proud of what we built and looks forward to navigating more complex projects throughout the rest of our degree.

## 1.2 Literature

Our project proposal went through an in-depth analysis of the current products on the market that could solve our project's problems and objectives described in the above vision statement. The market analysis found that none of the current products could match the needs of our target demographic and what they wanted from a tool of this nature. This validated StudySync had a place within the market. We recommend looking at section 2.1.2 of our project proposal for brevity to better understand the market picture before StudySync’s development.

This market analysis significantly aided in developing the functionality and design of StudySync. The minimalist nature of these web extensions and the simplistic functionality were critical design heuristics our team saw as valuable within this market. The images below show how this market analysis influenced the overall outcome of StudySync. The simple colour scheme, the visual distinction of call to actions, and the input/output forms were some of the many items influenced by our research.

// TODO IMAGES

Reviewing this section of our project proposal proved to be critical for the development of StudySync. The market analysis was completed effectively, which helped guide us to follow designs that our users widely accepted throughout the development process. Please refer to section TODO APPENDIX LABEL FOR USER TESTING for references on how users responded to the designs put forward by the group and how they largely met their expectations. This was a direct consequence of the market analysis.

Further literature review involved direct research regarding specific design patterns or functionality. This is better reserved for the planning and research section of the report. Sources and their influence will be discussed within their domain to show their effect on StudySync better.

# 2 Planning and Research

# 3 Prototyping and Iteration

# 4 Design

# 5 System Development

# 6 Analysis

# 7 Evaluation

# 8 Conclusion

# 9 Individual Reflection (Name)

# 10 Appendix

# 11 References