User Stories

StudySync will respond to a single user’s actions, the user being the individual interacting with the web browser. This user will be a student studying for the BSc, Computer Science through Coursera, offered in collaboration with the University of London. Therefore, all user stories will be initiated by this student demographic. Please note that “student” refers to this demographic, not a general student. It has been shortened in the user stories to reduce redundancy.

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| ID and Name: | US-1: As a student, I want to be able to toggle the whitelist blocker to change focus from study sessions to a different task. |
| Description: | The user either turns on or turns off the whitelist blocker functionality. |
| Trigger: | The user clicks on the whitelist toggle. |
| Preconditions: | PRE-1: StudySync is installed in web browser extensions. |
| Postconditions: | POST-1: The whitelist blocker is either on or off based on the toggle. |
| Normal Flow: | 1. **Toggle whitelist blocker.** 2. The user clicks on the whitelist toggle in the StudySync dropdown menu. 3. The whitelist is either set to on or off based on the toggle. |
| Alternative Flows: | NULL |
| Exceptions: | NULL |
| Frequency of Use: | Approximately ten times daily, assuming a study session occurs daily with techniques such as Pomodoro timing. |
| Other Information: | NULL |
| Assumptions: | Assume that users will never accidentally click this button and do not need to be warned when the whitelist will be toggled. |

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| ID and Name: | US-2: As a student, I want to navigate to an allowed URL so that I can further my study session. |
| Description: | StudySync should validate all URLs entered by the user. The entered URLs should be compared against the whitelist to see if users can visit them while the whitelist is enabled. |
| Trigger: | The user navigates to a new URL through their web browser. |
| Preconditions: | PRE-1: The whitelist is enabled. |
| Postconditions: | POST-1: The user is either allowed to navigate to or rejected from navigating to the given URL. |
| Normal Flow: | **2.0 The user navigates to a URL.**   1. The user enters a URL into their web browser. 2. The user hits the search button. 3. The browser passes the URL to StudySync. 4. StudySync confirms the URL is on the whitelist. 5. StudySync allows access to the URL. |
| Alternative Flows: | **2.1 StudySync rejects the URL.**   1. Same steps 1-3 as above.   5. StudySync confirms the URL is NOT on the whitelist.  6. StudySync rejects access to the URL.  7. The user is prompted with a notification that the URL is not on the whitelist and, therefore, has been denied.  8. The user is prompted with an add to whitelist option. |
| Exceptions: | NULL |
| Frequency of Use: | This user story will happen frequently when the whitelist is enabled. Users will navigate to many different websites during their study sessions. Some will be conducive to their studies, and others will not. |
| Other Information: | 1. Users should face little resistance when navigating to a website they wish to view for their studies. If the extension has too many roadblocks, users will uninstall it. 2. Users should be deterred from whitelisting distracting websites by displaying a quote or something inspirational when a page is blocked. |
| Assumptions: | Assume that users will be reasonably determined to allow the tool to help with study sessions. This means the user won’t bypass the whitelist and will be enough to set the user back on track. |

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| ID and Name: | US-3: As a student, I want to whitelist a URL I need to visit so that I can study the material stored at that URL. |
| Description: | Users will need to navigate to many websites. The user must whitelist websites conducive to their study sessions. The user can manually enter the URL into the whitelist form. Or navigate to the URL in question and whitelist it from StudySync’s reactive response listed in the above user story. |
| Trigger: | The user either navigates to an unlisted URL or enters a URL into the whitelist form. |
| Preconditions: | PRE-1: The whitelist is enabled. |
| Postconditions: | POST-1: The URL is now whitelisted, and access has been granted. |
| Normal Flow: | **3.0 Whitelist URL through StudySync’s reactive response.**   1. The user completes steps 1-8 in US-2.2.1. 2. The user clicks on the “add to whitelist” option. 3. The URL is added to the whitelist. 4. The newly whitelisted page is loaded for the user to access. |
| Alternative Flows: | **3.1 Whitelist the URL by directly adding it to the whitelist form.**   1. The user navigates to the whitelist form page. 2. The user enters the URL to be whitelisted into the form. 3. The user clicks on the “save” button. |
| Exceptions: | NULL |
| Frequency of Use: | The user will most likely whitelist many sites when using StudySync. However, this will most likely wane off after a while as the user allows access to the sites that are part of their usual study routine. This will then pick up once the user starts a new semester and requires access to fresh, differing websites. |
| Other Information: | NULL |
| Assumptions: | Assume the user will only whitelist sites which are conducive to their study sessions. |

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| ID and Name: | US-4: As a student, I want to remove URLs from the whitelist so I can terminate access to a distracting website I needed to access briefly. |
| Description: | Users will sometimes need to navigate to potentially distracting websites. YouTube is an excellent example of where instructional videos can be found on the platform. The user may need to watch a video on there and choose to whitelist YouTube. However, after watching the video, the user will remove it from the whitelist to ensure the distracting portion of the website cannot be accessed. |
| Trigger: | The user deleted a URL from the whitelist form. |
| Preconditions: | PRE-1: The URL in question is stored on the whitelist form. |
| Postconditions: | POST-1: The deleted URL is removed from the whitelist.  POST-2: The deleted URL can no longer be accessed by the user. |
| Normal Flow: | **4.0 Remove a URL from the whitelist.**   1. The user navigates to the whitelist form page. 2. The user selects the URL(s) they wish to remove. 3. The user deletes them from the whitelist form. 4. The user clicks the “save” button. |
| Alternative Flows: | NULL |
| Exceptions: | NULL |
| Frequency of Use: | This will be functionality which is used more during revision. Users often navigate to potentially distracting websites to gain further insight into a complex topic. |
| Other Information: | NULL |
| Assumptions: | Assume the user will remember to remove the distracting website from the whitelist once their goals are complete. |

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| ID and Name: | US-5: As a student, I want to study a course on Coursera and have that time tracked so I can gain insights into my study habits. |
| Description: | When a student navigates to Coursera and enters a course home page, StudySync will begin tracking the time spent within the courses catalogue and the finite tasks the user will complete. For example, if a user is studying course X by completing an assigned reading, StudySync will track that time as course X reading. |
| Trigger: | The user navigates to a course on Coursera. |
| Preconditions: | PRE-1: The extension is enabled.  PRE-2: The extension is allowed access to website data. |
| Postconditions: | POST-1: Study time is tracked and stored in a flat database. |
| Normal Flow: | **5.0 The user starts studying a course on Coursera.**   1. The user navigates to a Coursera course homepage. 2. StudySync begins tracking time spent in the course. |
| Alternative Flows: | **5.1 The user starts working on a task within a selected course.**   1. StudySync begins allotting time to a specific task under the current course. |
| Exceptions: | **5.0, 5.1 E1: the user opens multiple tabs.**   1. Only the tab which was first opened will be tracked by the extension. |
| Frequency of Use: | Most students will use the time-tracking portion of the extension daily. Coursera is the learning environment for the target demographic, and most visit the site daily. |
| Other Information: | 1. If the user clicks on a link in a Coursera course and it redirects to an external website, StudySync will continue to track the time as it was. |
| Assumptions: | Assume the users will remain relatively vigilant regarding what the extension is tracking. |

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| ID and Name: | US-6: As a student, I want to view my time-tracking data in a digestible format to gain quick insights into my study habits. |
| Description: | Users will navigate to a data dashboard that will provide data visualizations and enable the user to gain actionable insights into their study patterns. |
| Trigger: | The user navigates to the data dashboard. |
| Preconditions: | PRE-1: Data has been collected by the time tracker. |
| Postconditions: | NULL |
| Normal Flow: | **6.0 User views the data dashboard.**   1. The user navigates to the data dashboard. 2. StudySync displays data visualizations based on time-tracking data. |
| Alternative Flows: | NULL |
| Exceptions: | 1. **E1 User has not yet tracked any data.** 2. The data dashboard displays a message indicating data needs to be collected before the dashboard can function. |
| Frequency of Use: | The data dashboard will be used infrequently, most likely weekly. This will allow users to look back on their weekly process and see if they notice any areas for concern. |
| Other Information: | 1. The data dashboard visualizations and data grouping will need to be decided on during the sprint for this user story. |
| Assumptions: | NULL |

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| ID and Name: | US-7: As a student, I want to export my time tracker stats so that I can further explore the data using external tools. |
| Description: | Users may want to export their time-tracking data for further use in external tools. Therefore, an export option will be provided in CSV format. |
| Trigger: | The user clicks on the “export” button on the data dashboard. |
| Preconditions: | PRE-1: There is data stored in the extension. |
| Postconditions: | POST-1: A CSV file is created with the current time tracker data. |
| Normal Flow: | **7.0 Export the time tracker data to a CSV file.**  1. The user navigates to the data dashboard.   1. The user clicks on the “export” button. 2. StudySync downloads the CSV file to the user’s machine. |
| Alternative Flows: | NULL |
| Exceptions: | **7.0 E1: The user has not yet tracked data.**   1. No export button will be displayed. |
| Frequency of Use: | This will be an infrequent action used by StudySync’s power users only. Most users will find the data dashboard meets their needs. |
| Other Information: | 1. During this sprint, user feedback can change add or change the formats the data is exported to. |
| Assumptions: | NULL |

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| ID and Name: | US-8: As a student, I want to adjust the time tracker settings so that I can tailor the extension to my study sessions. |
| Description: | Users may need to perform certain actions, such as indicating a new semester has started, deleting data or adding tasks to courses. This story will need to be fleshed out with users when this sprint comes around. |
| Trigger: | The user accesses the time tracker settings page. |
| Preconditions: | NULL |
| Postconditions: | POST-1: Settings are updated. |
| Normal Flow: | (Confirm during sprint) |
| Alternative Flows: | (Confirm during sprint) |
| Exceptions: | (Confirm during sprint) |
| Frequency of Use: | (Confirm during sprint) |
| Other Information: | (Confirm during sprint) |
| Assumptions: | (Confirm during sprint) |