**Personal Project Plan**

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| **Deadline** | **Task** | **What to do** | **Success Criteria Connection** | **Date Completed and Notes** |
| Oct 28 | Choose an online course and start working on it | * Go back to the initial research I did about the resources in the goal setting doc * Go to the websites that the supervisor recommended and check the price, course syllabus and time it takes. * Choose the one that is the most suitable and sign up. * Take notes and practice | Code | Oct 26 – I chose a free beginner’s course on Udemy (“JavaScript Essential”) because some review articles chose this course as one of the best free JavaScript courses and it seemed to cover most of the contents I wanted to learn about. |
| Oct 31 | Set up the file | * Research the proper format and proper way of linking multiple files * Make a different file for HTML, CSS, and JavaScript * Name them appropriately | Code | Oct 30 – I used Atom to create three files. I researched the proper format and how CSS and JavaScript can be linked to html file |
| Nov 4 | Research target audience’s needs | * Survey - Create a survey on Google Form with 5-10 questions. Questions should ask about the current way students keep track of their task / manage their time and what kind of programs and design they want my product to have. * Send it to at least 10 upper school students | Aesthetics/function/customers | Nov 1 – I finished creating the survey and sent to 6 people. I will send to more people and start analyzing the data by Nov 4. The analysis should be completed by the time I start planning the structure of the website. |
| Nov 6 | Research on user interface (UI) design | * Use online articles and videos for research * Go on websites with good UI design for inspiration (and analysis if there was time) | Aesthetics | Oct 31 – I used to a website called Behance to create a mood board for inspiration. I will continue adding more designs to the mood board  Nov 1 – While making survey I read some articles about color scheme and typography so that I can ask appropriate questions to the users.  Nov 3 – Read an article about commonly used elements of user interface and rated their usefulness.  Nov 5 – More inspiration for specific elements that I will include, such as loader and slider |
| Nov 8 | Existing product observation | * Choose a few web applications related to task/time management * analyze their aesthetics and function * Save some pictures if it was helpful (inspiration) * Identify their strengths and weaknesses and how I can apply them to my website | Aesthetics and function | Nov 8 – Analysis of landing pages of popular task-management websites (Any.do, Todoist, Asana and Trello) |
| Nov 10 | Research on how to write good codes | Possible topics   * How to name variables, ID, classes * How to write functions * How to write CSS codes concisely * How to reduce repetition   Read online articles and reliable forum answers |  | Nov 9 – I learned that concise codes are not necessarily good because they are hard to read and it is difficult to go back and make changes. I also learned about shorthand notation in CSS and HTML naming conventions.  Nov 10 – I decided to research about some of the HTML and CSS elements I was confused about so that I can use them correctly when I start writing the codes. For example, I researched about absolute vs relative positioning, class and id, |
| Nov 16 | Planning of the website | * Planning drawing for the overall structure (using the previous research). * Choose colors and fonts to use (Check whether the fonts are available for use on websites). * Decide what kind of programs I am going to make. | Aesthetics and function | Nov 11 – I used the analysis of landing page and made a planning drawing of landing page (Included in the Google Slides)  Nov 13 – Based on the survey result, observation of other products and my skill level, I decided to make stopwatch/timer, to-do list and calendar.  Nov 16 – Based on the survey result and research of colors that affect productivity I choose the colors and fonts to use. |
| Nov 30 | Make the first program (function) | * Planning drawing of the structure * List specific function it needs to have * Identify specific things I need to know and do additional research using online resources if needed * Using the planning, type the codes * Test the function (try to think of different ways target audiences might use the program) and fix bugs * Add hover effects/transition effects * Add comments while writing JavaScript codes | Function | Nov 28 – Done including aesthetics (I might need to change the colors so that it’s more consistent) |
| Dec 18 | Make the second program | Same process as the first program. | Function | Dec 20 – Basic structure finished (the user can put information about their task and a div element is made in the list, which is scrollable and can be deleted by clicking on the checkmark), but there are many other things that I need to work on so that it is more useful.  Feb 2 – I am currently  Feb 4 – I finished all components of to-do list. I was not able to meet the deadline at all but I am happy with my decision to work on other less complicated parts, because this was the hardest function to make and it required deeper understanding of JavaScript that I didn’t have back in December. |
| Dec 22 | Add data saving function | * Additional research if needed   All data must be saved after reloading/closing the website |  | Dec 20 – I learned that in order to save the data you can use local storage. I tried using local storage for to-do list, but didn’t work. |
| Jan 8 | Make the third program | Same process as the first program. | Function | Jan 5 – basic structure finished  Jan 8 – I found that there was some problem with the year (the year didn’t increase, and today’s date but in different year was also highlighted in green), so I fixed the problem.  Jan 30 Progress – At this point I am using local storage every time I want to remember user’s choice or save information that they put on the website. For example, I am using it to remember the choice of theme. I know that it is not the most efficient way, but it is quite useful when I want transfer information from one page to another. |
| Jan 14 | Make a contact form and menu/side bars | Planning drawing for the contact form.  Use the previous research (such as inspirational websites with good UI design) | Function | Dec 4 – Made a collapsible sidebar and header |
| Jan 20 | Make the website responsive (can be used on multiple devices) | * Research about responsive web design   + Media queries   + Fluid/CSS grids   + Flexible Images   + Examples of other responsive websites   Conduct function test on:   * MacBook Air * iPad * iPhone * Android | Function | Nov 12 – I decided to start researching on responsive web design because I realized that I needed to know about this before planning the structure of the website. I chose to use a CSS grid and watched a crash course. |
| Jan 26 | Add a sign up/login function | Planning drawing for the sign up/login form, account menu.  Test the function. | Function | Jan 9 – Finished the UI  Jan 16 – Done with the sign up function, half done with login |
| Jan 28 | Name and Icon | * Come up with an appropriate name * Design an icon * Set the icon as favicon | Aesthetics | Jan 20 – Designed the logo and came up with a website name that has a meaning of “time”. For logo, I used a free |
| Jan 30 | Target audience feedback | * Let 3-6 upper school students use the product and ask their feedback. * Create a rating sheet so that it’s easier for them to give feedback * Analyze their feedback | Function/customers | Jan 20 – Conducted an interview with one student from 10th grade. |
| Feb 10 | Final changes to the website | Use the feedback to make necessary changes  Test if the website functions properly after changing the code | Function |  |
| February (Exact date unknown) | Report submission |  | All |  |

**JavaScript Course Timeline**