Use Cases

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| Name of Use Case: | Welcome Page |
| **Description:** | Users are able to select from either Apple, Framework, or Microsoft when navigating for what device they are planning on repairing. |
| **Actors:** | User |
| **Preconditions:** | 1. User opens the website and lands on the welcome page. |
| **Postconditions:** | 1. User is directed to the corresponding devices page based on their selection. |
| **Flow:** | 1. The welcome page displays Apple, Framework, and Microsoft as options for device brand. 2. User selects their desired device brand by selecting the corresponding button. 3. The program redirects the user to the appropriate devices page based on their selection. |
| **Alternative Flows:** | 1. If the user does not want to navigate to their item through this, they are able to move to the search page and locate it that way instead. |
| **Exceptions:** | 1. The program encounters an error and cannot process the selection. |
| **Requirements:** | The following requirements must be met before execution of the use case.   1. The program should accurately redirect users based on their selection. 2. The selection options should be clear to understand and interact with. |

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| Name of Use Case: | Devices Page |
| **Description:** | Depending on the brand selected in the welcome page, users are able to select between several different device types to locate the intended device they plan on repairing. |
| **Actors:** | User |
| **Preconditions:** | 1. User has been directed to the relevant devices page depending on their welcome page selection. |
| **Postconditions:** | 1. User is directed to the corresponding documentation page based on their selection. |
| **Flow:** | 1. The devices page displays several options for device types that are specific to the brand previously selected. 2. User selects their desired device type by selecting the corresponding button. 3. The program redirects the user to the appropriate documentation page based on their selection. |
| **Alternative Flows:** | 1. If the user does not want to navigate to their item through this, they are able to move to the search page and locate it that way instead. |
| **Exceptions:** | 1. The program encounters an error and cannot process the selection. |
| **Requirements:** | The following requirements must be met before execution of the use case.   1. The program should accurately redirect users based on their selection. 2. The selection options should be clear to understand and interact with. |

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| Name of Use Case: | Documentation Page |
| **Description:** | Users are shown several different specific device repair parts that fall under the brand and device type previously chosen. Each part includes a link to download related documentation to the product and the ability to add it to cart. |
| **Actors:** | User |
| **Preconditions:** | 1. User has been directed to the relevant documentation page depending on their devices page selection. |
| **Postconditions:** | 1. User is able to access and download documentation for their chosen repair parts. 2. User is able to add their desired repair parts to their cart to purchase. |
| **Flow:** | 1. The documentation page displays a list of repair parts for the chosen device type. 2. User can view a brief description of the replacement part that specifies price, what is included, and any other important information. 3. User can download documentation to get the relevant manuals or guides for the selected part. 4. User can click the Add to Cart button to be able to purchase it at a later time. |
| **Alternative Flows:** | 1. User can navigate to the desired repair part directly using the search page. |
| **Exceptions:** | 1. The documentation for the specific repair part is unavailable to download, incorrect, or out of date. 2. The user is unable to add the part to their cart or unable to access it. |
| **Requirements:** | The following requirements must be met before execution of the use case.   1. The available repair part options should be displayed clearly and easy to understand. 2. The descriptions, price, and images should all be accurate and informative for each individual part. 3. The download documentation links should be working and the documentation should be accurate and helpful. 4. The Add to Cart functionality should work as intended and populate the cart correctly. |

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| Name of Use Case: | Search Page |
| **Description:** | Users are able to search for specific tasks or assignments using their name. |
| **Actors:** | User |
| **Preconditions:** | 1. User is able to access the search page. |
| **Postconditions:** | 1. User is given relevant repair parts based on their search query. |
| **Flow:** | 1. User enters a search term into the website. 2. User clicks the Search button or presses enter on their keyboard. 3. The program searches for relevant repair parts matching their criteria and displays it. |
| **Alternative Flows:** | 1. User can navigate to the welcome, devices, and documentation pages to access desired repair parts instead of using search. |
| **Exceptions:** | 1. The program is unable to process the search query. 2. No results are found that match the user’s search criteria. |
| **Requirements:** | The following requirements must be met before execution of the use case.   1. The search bar should be easy to use and understand. 2. The search functionality should be efficient and the results based on user input should be accurate. 3. Feedback should be displayed if there are no matching results. |

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| Name of Use Case: | Settings Page |
| **Description:** | Users are able to modify settings related to the webpage here such as a dark and a light mode as well as text size. |
| **Actors:** | User |
| **Preconditions:** | 1. User has access to the settings page. |
| **Postconditions:** | 1. Any changes made to the settings by the user are saved and reflected onto the website. |
| **Flow:** | 1. The settings page displays options for user preferences such as theme mode and text size. 2. User selects their desired options from the available choices. 3. The program automatically saves the user selections. 4. The website reflects the chosen setting preferences while using it. |
| **Alternative Flows:** | 1. Users can opt to keep everything at default options. |
| **Exceptions:** | 1. The program is unable to save the setting selections. 2. The selected preferences are not correctly reflected onto the website. |
| **Requirements:** | The following requirements must be met before execution of the use case.   1. The settings page should be easy to understand and to use. 2. The available setting options should be specific and clear on what they do. |

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| Name of Use Case: | About Page |
| **Description:** | Users can look at a list of the three team members for our project and a brief paragraph regarding each of our backgrounds. There is also a section dedicated to the project description that provides information on the functionality and intended goal of it. |
| **Actors:** | User |
| **Preconditions:** | 1. User has access to the website and about page. |
| **Postconditions:** | 1. User gains knowledge regarding the project’s purpose, functionalities, and the team members involved. |
| **Flow:** | 1. The page displays a list of team members with brief background information and a picture for each of them. In addition to that, it also includes a small paragraph detailing the project’s functionality and intended purpose. |
| **Alternative Flows:** | N/A |
| **Exceptions:** | 1. The program encounters an issue and is unable to display the team or project information. |
| **Requirements:** | The following requirements must be met before execution of the use case.   1. The information displayed on the page should be clear and concise for the user. 2. The team member introduction paragraphs should be informative, accurate, and give relevant information and backgrounds. 3. The project description should be well-written and give a good understanding of the project purpose and some functionality details. |

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| Name of Use Case: | Cart |
| **Description:** | Users are able to add parts to their cart and then check out and purchase them. |
| **Actors:** | User |
| **Preconditions:** | 1. User has at least one repair part in their cart. 2. User has access to the webpage and cart. |
| **Postconditions:** | 1. User can review the parts in their cart. 2. User can proceed to checkout and purchase the selected repair parts. |
| **Flow:** | 1. The cart page displays a list of parts added to the cart 2. User can modify the contents of their cart 3. User can then checkout and purchase everything in the cart |
| **Alternative Flows:** | 1. User is able to continue looking through the website and add additional items to the cart before checking out |
| **Exceptions:** | 1. The program encounters an issue and fails to display the contents of the cart. 2. A part in the cart is unable to be purchased. |
| **Requirements:** | The following requirements must be met before execution of the use case.   1. The cart page should be easy to understand and provide relevant information. 2. The ability to checkout should be prominent and clear. |