

# Uses Cases

Name	Select Major
Pre-Condition	<ul style="list-style-type: none"> <li>- Web application is running</li> </ul>
Post-Condition	<ul style="list-style-type: none"> <li>- The specified major is selected</li> <li>- The course dependencies are shown for the specific major</li> </ul>
Basic Path	<ol style="list-style-type: none"> <li>1. The user clicks on the drop down selection, displaying all the options for majors</li> <li>2. The user clicks on one of the majors</li> <li>3. The page is refreshed, showing the selected major's information</li> </ol>
Alternative Paths	<ul style="list-style-type: none"> <li>- The user can input a url that is correlated to a specified major</li> </ul>
Tests	<ul style="list-style-type: none"> <li>- The webpage should not be refreshed if no item was selected from the drop down menu</li> <li>- The webpage should show an error if a user inputs an incorrect URL</li> </ul>

Name	Select Minor
Pre-Condition	<ul style="list-style-type: none"> <li>- Web application is running</li> <li>- A major is currently selected</li> </ul>
Post-Condition	<ul style="list-style-type: none"> <li>- The specified minor (or no minor) is selected</li> <li>- The course dependencies are shown for the specific major and minor</li> </ul>
Basic Path	<ol style="list-style-type: none"> <li>1. The user clicks on the drop down selection, displaying all the options for minors with the specified major</li> <li>2. The user clicks on one of the minors</li> <li>3. The page is refreshed, showing the selected minor's information</li> </ol>
Alternative Paths	<ul style="list-style-type: none"> <li>- The user can input a url that is correlated to a specified major and minor</li> </ul>
Tests	<ul style="list-style-type: none"> <li>- The webpage should be refreshed if no item was selected from the drop down menu if a minor is currently selected</li> <li>- The webpage should show an error if a user inputs an incorrect URL</li> </ul>

Name	Hover Over Node
Pre-Condition	<ul style="list-style-type: none"> <li>- Web application is running</li> <li>- A major is currently selected</li> <li>- The user is hovering over a node in the dependency tree</li> </ul>
Post-Condition	<ul style="list-style-type: none"> <li>- The specified node displays its information</li> </ul>
Basic Path	<ol style="list-style-type: none"> <li>1. The user hovers over a node in the dependency tree</li> <li>2. A box is displayed, showing information regarding that class</li> </ol>
Alternative Paths	<ul style="list-style-type: none"> <li>- N/A</li> </ul>
Tests	<ul style="list-style-type: none"> <li>- The informational box should only be displayed when hovering over a node</li> <li>- The information should correlate to the node being hovered over</li> </ul>

Name	Navigate Tree
Pre-Condition	<ul style="list-style-type: none"><li>- Web application is running</li><li>- A major is currently selected</li></ul>
Post-Condition	<ul style="list-style-type: none"><li>- The tree is translated in a way such that the user drags the mouse away from where they want to go</li></ul>
Basic Path	<ol style="list-style-type: none"><li>1. The user left clicks within display box for the tree</li><li>2. The user moves their cursor while holding the left button</li></ol>
Alternative Paths	<ul style="list-style-type: none"><li>- N/A</li></ul>
Tests	<ul style="list-style-type: none"><li>- The user will not be able to translate the whole tree off the screen</li></ul>

Name	Zoom Tree
Pre-Condition	<ul style="list-style-type: none"><li>- Web application is running</li><li>- A major is currently selected</li></ul>
Post-Condition	<ul style="list-style-type: none"><li>- The tree is zoomed in or out depending on user input from mouse scroll</li></ul>
Basic Path	<ol style="list-style-type: none"><li>1. The user moves their cursor within display box for the tree</li><li>2. The user scrolls in or out using their mouse</li></ol>
Alternative Paths	<ul style="list-style-type: none"><li>- N/A</li></ul>
Tests	<ul style="list-style-type: none"><li>- The user will not be able to zoom so far out or in that the tree cannot be displayed</li></ul>