

Scenario 3 (Error Scenario)

Construction Worker Error Scenario

A building inspector will be inspecting an important site via drone in a few days and Will, a construction worker, has been asked by his manager to verify the inspection points via drone before it actually needs to be done. His manager has a .glb file for the construction site model, as well as a .txt file as a list of inspection points that the professional will be using. She also has a .txt file containing data for a recommended drone path. She uploads the files to the site for Will's use so that he does not need all the files.

Will opens the application and clicks the "Analyze View" tab that switches the view to the 3D representation of the building and the flight paths. He now sees a 3D model of the construction site with marked inspection points. He also sees a list of possible paths on the side of the screen.

He notices that in the "Flight Paths" sidebar, only one path can be highlighted at the top. By default, Path 1 is highlighted and he can see its details as well as the path itself highlighted in the 3D space. He notices that there are three other paths listed though, and he wants to take a turn highlighting each of them.

He sees that each path has something labeled "Highlight" and also sees a checkbox checked next to every path. He assumes that the X in the checkbox next to each path means that the path is not highlighted, so he tries clicking the X next to Path 2 and Path 3. It doesn't look like that changes anything though, so he looks for something else to click. He realizes that the Highlight label is actually a button, and when he clicks the Highlight button for Path 2, Path 2 becomes the highlighted path. However, although Path 2 is now highlighted, he notices that Path 3 is now missing from the 3D space, and he cannot figure out how to make it reappear.

He is finally able to fix his problem when he spies a label that reads "Visible" next to the checkbox he had clicked next to Path 3 before. He realizes that when he un-selected the checkbox before in an attempt to change the highlighted path, he accidentally turned off the path's visibility. When he selects the Visible checkbox next to Path 3 again, Path 3 appears once more in the 3D space.