

Investigation of Matlab and UI Connection

Currently, our UI doesn't have any connections to the path planning system developed by the other group members. The routes displayed on the UI's map are created simply by drawing a straight line from the current location to the following location. This defeats the purpose of having an accurate UI in which the user can visualize where they are and where they are going on the golf course. Over this sprint, we spent time researching ways to remedy this issue. The most efficient way to accomplish this goal is by importing all the nodes for the paths created in MatLab in a JSON format. These JSON files will be created for all 9 of the holes that we currently have mapped. Next, we will utilize leaflet's polyline object to draw a path for when a route is selected. This implementation will allow us to keep the infrastructure we have developed this semester and simply build over what we currently have. It also makes the UI future-proof, with this implementation we can create and add new routes quite easily. Whether adding more holes down the line or changing a path to reflect topological changes.