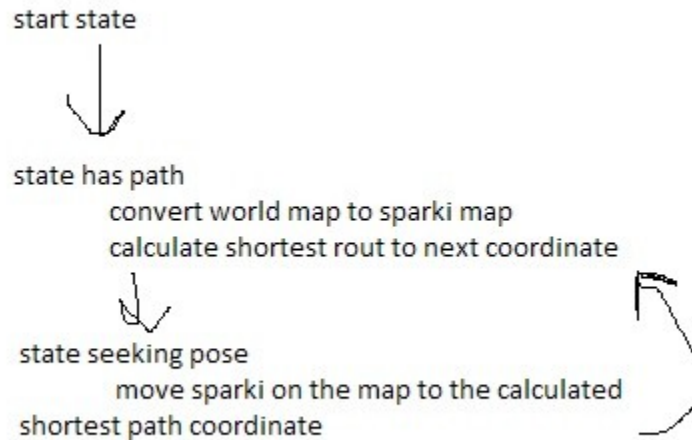


Lab 6 Report

1. State machine



2. I could modify this code to gracefully handle unforeseen objects in Sparki's path by using the ultrasonic sensor to determine where the object is, then have that object placed in the robot's map. With a now known object on the map, and its location, Sparki should update its calculations for the shortest route while avoiding objects.
3. Increasing DISTANCE_MARGIN and HEADING_MARGIN
4. trouble

5. advantageous

6. Names of everyone in the group:

Madelaine Struwe
 Jason Evarts
 Sherry Nguyen

7. We spend around 4 hours programming this lab.