

Team Name: Group 19  
Topic: No Left Turn Route

Team Members:  
Name  
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Project Leader/Lead Reasearcher  
Mapping Technician/Tester  
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# PROJECTLOG

TIME STAMP	TYPE	TASK ID	STATUS	CONTRIBUTOR(S)	EVENT	SUPPORTING DOCUMENT
150312T0157	Decision	0.1	Completed		Decided on project topic and assigned roles to each team member.	<a href="#">Final-Project-Proposal.docx</a>
150318T1640	Work	1.1	Completed		Set up basic application. Functions so far are view the map, pick a route and see a step by step trip through the route. ATM only works in San Diego	<a href="#">N/A</a>
150318T1710	To Do	1.2	In Progress		Change the applicaton to work on a global scale.	<a href="#">N/A</a>
150323T1653	Cancelled	1.2	Cancelled		The app will no longer work on a global scale. We're going to use the public (free) envelope of San Diego	<a href="#">N/A</a>
150323T1722	Upload	1.3	Completed		Saved a copy of the apps skeleton code (everything that was provided in the tutorial) to GitHub. From here we will add our other methods.	<a href="#">DrivingDirections.java</a>
150323T1730	Note	N/A	N/A		Due to the use of the ArcGIS SDK by this point in the project timetable milestones 1-4 have been already been completed and will be skipped	<a href="#">N/A</a>
150323T1742	To Do	5.1	In Progress		Edit the apps current algorithm to find the a route without making any left turns	<a href="#">N/A</a>
150323T1753	To Do	6.1	In Progress		Once a route with no left turns is calculated. Find the quickest/most efficient path.	<a href="#">N/A</a>
150323T2130	Work	5.1.1	Completed		Added if statement that check if the turn is left. If so currently the program just shows a temporary prints statement	<a href="#">DrivingDirections.java</a>
150325T1559	Planning	N/A	Completed		In summary: As a group we've decided not to use the ArcGIS servers and are re- planning the project from the ground up. See attached document.	<a href="#">Project Re-planning.docx</a>
150325T1733	Work	0.2	Completed	Hassaan & Paul	Read 2ME3 textbook to understand how to make the requirements document.	<a href="#">N/A</a>

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150326T1632	Work	0.3	Completed	Paul	Finished requirements & specifications report.	<a href="#">Requirements &amp; Specifications.docx</a>
150326T1646	Work	1.1	In Progress	Hassaan	Using input data files, created map including intersections and streets.	<a href="#">N/A</a>
150326T1710	Research	1.1	In Progress	Trevor	Researched and tested making the map able to be panned through and zoomed in on.	<a href="#">N/A</a>
150327T2021	Work	1.1	In Progress	Hassaan	Implements code for creating an edge weighted graph, JFrame for displaying map, selfbalancingtree for storage and multiple ADT's for later use	<a href="#">Bag.java, Edge.java, EdgeWeightedGraph.java, JPanelTest.java</a>
150329T0244	Work	1.1	In Progress	Paul	Enabled zooming and panning on map along with other features like adding stops a finding a route.	<a href="#">N/A</a>
150330T0925	Note	N/A	N/A	N/A	We are now using ArcGIS's framework as a base for our application simply to display the graph to the user and allow for ease of navigation.	<a href="#">N/A</a>
150330T1030	Work	1.1	Completed	Paul	Finished setting up the GUI allowing the user to pick stops, find a route and reset current actions. Along with a working map of the data set.	<a href="#">N/A</a>
150330T1032	Work	2.1	In Progress	Hassaan	Worked on implementing Dijkstra's algorithm to calculate the shortest path from one intersection to another.	<a href="#">N/A</a>
150330T1340	Work	2.1	Completed	Hassaan & Paul	Finished impletements Dijkstra's algorithm to find the shortest path for our data sets.	<a href="#">DijkstraSP.java</a>
150331T1123	Work	4.1	Completed	Paul	Added method to find the closest intersection on the map to where the user has clicked for routing purposes.	<a href="#">N/A</a>
150331T1213	Research	5.1	In Progress	Hassaan	Researched how to implement avoidance of left turns based on our code	<a href="#">N/A</a>
150331T1320	Research	4.2	In Progress	Trevor & Paul	Researched making the map display the route calculated by Dijkstra's algorithm.	<a href="#">N/A</a>
150331T1435	Research	4.2	Completed	Trevor & Paul	Decided on implemtation to follow for displaying the route on the map.	<a href="#">N/A</a>
150331T1646	Work	4.3	Completed	Paul	Implemented method to run through the shortest path and display it to the map.	<a href="#">MapGenerator.java</a>
150401T1122	Work	4.3.1	Completed	Hassaan	Reversed formula for properly placing route on map in order to make determining the route easier.	<a href="#">N/A</a>
150401T1630	Research	5.1	In Progress	Hassaan	Discovered where to added a check for left turns and researched how to implement it.	<a href="#">N/A</a>

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150401T1717	Work	4.3.2	Completed	Paul	Updated start and stop locations to actual pictures for visuals.	<a href="#">N/A</a>
150401T1630	Work	5.1	In Progress	Hassaan	Implemented check for left turns method skeleton.	<a href="#">N/A</a>
150401T2200	Work	5.1	In Progress	Hassaan	Added code to previous method skeleton to check for left turns based on angle of turn.	<a href="#">N/A</a>
150402T0045	Work	5.1	In Progress	Paul	Fixed bugs and updated code for left turns method	<a href="#">N/A</a>
150402T1532	Research	5.1	In Progress	Hassaan	Looked into mutple method of calculating if a left turn has been made.	<a href="#">N/A</a>
150402T1620	Work	5.1	In Progress	Hassaan & Paul	Continue implementing research from last step.	<a href="#">N/A</a>
150403T0024	Work	5.1	Completed	Paul	Fined method to determine if a left turn has been made	<a href="#">NoLeftTurnSnippet.java</a>
150403T0057	To Do	5.2	In Progress	N/A	Once a left turn in a route is occurred, display a alternative route of right turns to the user.	<a href="#">N/A</a>
150406T0830	Work	0.4	Completed	Trevor	Created power point presentation for in class presentation.	<a href="#">Group19 ProjectPresentation.pptx</a>
150406T1230	Work	5.2	In Progress	Hassaan	Implemented a checker to determine a right turn loop if a left turn has occurred.	<a href="#">N/A</a>
150406T1305	Work	5.2	In Progress	Hassaan & Paul	Finished check based on adjacency lists of the left turn intersection. Now returns a list of "Edges" that need to be displayed	<a href="#">N/A</a>
150406T1345	Work	5.2	Completed	Paul	Displayed right turn loop to map in a different colour than regular route.	<a href="#">N/A</a>
150407T0007	To Do	5.3	In Progress	N/A	Fix bugs in right turn checker & display	<a href="#">N/A</a>
150407T1034	Work	5.3	Completed	Hassaan & Paul	Fixed bugs in right turn checking by adjusting angles and eliminating null pointer exceptions	<a href="#">N/A</a>
150407T1240	Work	6.1	Completed	Hassaan	Added considerations to the no left turn route. If taking a straight and three right turns is not optimal, it is not taken.	<a href="#">N/A</a>
150407T1308	Work	6.2	Completed	Paul	Displayed each right turn loop with considerations to the map.	<a href="#">N/A</a>

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150407T1654	Work	N/A	In Progress	Trevor	Began working on project documentations.	<a href="#">N/A</a>
150407T1822	Work	7.1	Completed	Paul	Implemented multiple stop locations feature and successfully displayed to the map.	<a href="#">N/A</a>
150407T1845	Work	MVC	In Progress	Hassaan	Began converting code to better MVC style format.	<a href="#">N/A</a>
150407T2131	To Do	MVC	In Progress	N/A	Finish covering the code to MVC	<a href="#">N/A</a>
150407T2133	To Do	N/A	In Progress	N/A	Eliminate any remaining bugs in the code.	<a href="#">N/A</a>
150408T1131	Work	N/A	Completed	Hasaan & Paul	Fixed all bugs. Project is workin perfectly.	<a href="#">N/A</a>
150408T1502	Work	N/A	In Progress	Hassaan & Trevor	Continued work on documentation.	<a href="#">N/A</a>
150408T1714	Work	MVC	Completed	Paul	Finished implmenting MCV format. Application is now in three packages with proper classes to divde up the code.	<a href="#">N/A</a>
150408T2017	To Do	N/A	In Progress	N/A	Finished documentation.	<a href="#">N/A</a>