

Team Name: Group 19
Topic: No Left Turn Route

Team Members:
Name
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Project Leader/Lead Reasearcher
Mapping Technician/Tester
Log Admin/ Lead Designer

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.	Final-Project-Proposal.docx
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	N/A
150318T1710	To Do	1.2	In Progress		Change the applicaton to work on a global scale.	N/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	N/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.	DrivingDirections.java
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	N/A
150323T1742	To Do	5.1	In Progress		Edit the apps current algorithm to find the a route without making any left turns	N/A
150323T1753	To Do	6.1	In Progress		Once a route with no left turns is calculated. Find the quickest/most efficient path.	N/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	DrivingDirections.java
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.	Project Re-planning.docx
150325T1733	Work	0.2	Completed	Hassaan & Paul	Read 2ME3 textbook to understand how to make the requirements document.	N/A

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150326T1632	Work	0.3	Completed	Paul	Finished requirements & specifications report.	Requirements & Specifications.docx
150326T1646	Work	1.1	In Progress	Hassaan	Using input data files, created map including intersections and streets.	N/A
150326T1710	Research	1.1	In Progress	Trevor	Researched and tested making the map able to be panned through and zoomed in on.	N/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	Bag.java, Edge.java, EdgeWeightedGraph.java, JPanelTest.java
150329T0244	Work	1.1	In Progress	Paul	Enabled zooming and panning on map along with other features like adding stops a finding a route.	N/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.	N/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.	N/A
150330T1032	Work	2.1	In Progress	Hassaan	Worked on implementing Dijkstra's algorithm to calculate the shortest path from one intersection to another.	N/A
150330T1340	Work	2.1	Completed	Hassaan & Paul	Finished impletements Dijkstra's algorithm to find the shortest path for our data sets.	DijkstraSP.java
150331T1123	Work	4.1	Completed	Paul	Added method to find the closest intersestion on the map to where the user has clicked for routing purposes.	N/A
150331T1213	Research	5.1	In Progress	Hassaan	Researched how to implement avoidance of left turns based on our code	N/A
150331T1320	Research	4.2	In Progress	Trevor & Paul	Researched making the map display the route calculated by Dijkstra's algorithm.	N/A
150331T1435	Research	4.2	Completed	Trevor & Paul	Decided on implemtation to follow for displaying the route on the map.	N/A
150331T1646	Work	4.3	Completed	Paul	Implemented method to run through the shortest path and display it to the map.	MapGenerator.java
150401T1122	Work	4.3.1	Completed	Hassaan	Reversed formula for properly placing route on map in order to make determining the route easier.	N/A
150401T1630	Research	5.1	In Progress	Hassaan	Discovered where to added a check for left turns and researched how to implement it.	N/A

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150401T1717	Work	4.3.2	Completed	Paul	Updated start and stop locations to actual pictures for visuals.	N/A
150401T1630	Work	5.1	In Progress	Hassaan	Implemented check for left turns method skeleton.	N/A
150401T2200	Work	5.1	In Progress	Hassaan	Added code to previous method skeleton to check for left turns based on angle of turn.	N/A
150402T0045	Work	5.1	In Progress	Paul	Fixed bugs and updated code for left turns method	N/A
150402T1532	Research	5.1	In Progress	Hassaan	Looked into mutple method of calculating if a left turn has been made.	N/A
150402T1620	Work	5.1	In Progress	Hassaan & Paul	Continue implementing research from last step.	N/A
150403T0024	Work	5.1	Completed	Paul	Fined method to determine if a left turn has been made	NoLeftTurnSnippet.java
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.	N/A
150406T0830	Work	0.4	Completed	Trevor	Created power point presentation for in class presentation.	Group19 ProjectPresentation.pptx
150406T1230	Work	5.2	In Progress	Hassaan	Implemented a checker to determine a right turn loop if a left turn has occurred.	N/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	N/A
150406T1345	Work	5.2	Completed	Paul	Displayed right turn loop to map in a different colour than regular route.	N/A
150407T0007	To Do	5.3	In Progress	N/A	Fix bugs in right turn checker & display	N/A
150407T1034	Work	5.3	Completed	Hassaan & Paul	Fixed bugs in right turn checking by adjusting angles and eliminating null pointer exceptions	N/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.	N/A
150407T1308	Work	6.2	Completed	Paul	Displayed each right turn loop with considerations to the map.	N/A

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150407T1654	Work	N/A	In Progress	Trevor	Began working on project documentations.	N/A
150407T1822	Work	7.1	Completed	Paul	Implemented multiple stop locations feature and successfully displayed to the map.	N/A
150407T1845	Work	MVC	In Progress	Hassaan	Began converting code to better MVC style format.	N/A
150407T2131	To Do	MVC	In Progress	N/A	Finish covering the code to MVC	N/A
150407T2133	To Do	N/A	In Progress	N/A	Eliminate any remaining bugs in the code.	N/A