

# SFWRENG 2XB3 Final Project

## Project Log

Department of Computing and Software  
McMaster University

**Team Name:** Group 8

**Topic:** NavSafe - A Safer Way To Get Around

### Team Members

<u>Name</u>	<u>Role</u>
Arkin Modi	Head of Back End
Benson Hall	Team Leader
Leon So	Back-end Team Member
Tim Choy	Head of Front End
Joy Xiao	Log Admin

Timestamp	Originator	Type	Task ID	Status	Comments	Supporting Document(s)
190228T1500	All	Task	1	Complete	The project we have chosen is DriveSafe (name subject to be changed), which was first pitched by Leon.	Collisions.csv (data file)
190228T1520	All	Task	1	Complete	Assigning team roles: Benson is the designated team leader, and Joy is the log admin.	log.tex
190307T1312	All	Task	2.2	In Progress	Started on the requirements specification, and build the outline for the design specification. We also agreed to change our project name from DriveSafe to NavSafe.	ReqSpec.tex, DesignSpec.tex
190307T1330	All	Update	1	Complete	Adding new roles to team members. Timothy is now head of front end and Arkin is head of back end.	log.tex

Timestamp	Originator	Type	Task ID	Status	Comments	Supporting Document(s)
190311T1240	Timothy	Task	3.1	Complete	Created skeleton for project using Android Studios	
190312T2130	Benson	Task	2.1	In Progress	Created Decomposition by Secrets Table	
190314T1230	Leon	Task	4	In Progress	Created Collision ADT and input read module	Read.java, Collisions.java
190314T1342	All	Task	5	Complete	Discussed which data would be excluded and included. Discussed further on plan to proceed.	
190319T2030	Timothy	Task	2.1	Complete	Implemented Decomposition by Secrets table as a tree	DecompTree.tex, De-compTree.png
190319T2030	Leon	Task	4.1	Complete	Read module.	Read.java
190330T2030	Joy, Leon	Task	6	In Progress	Start sorting. Modified ADT.	Sort.java. Decided to sort the information according to Severity Code, then fatalities, then number of severe injuries, then number of injuries.

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190330T1554	Joy, Leon	Task	4.2	Complete	Completed ADT + reading data into ADT. Added compareTo() in Collisions ADT for sorting.	Collisions.java
190330T1740	Timothy	Task	7	Complete	Created Google Maps API key	google_maps_api.xml
190330T1748	Leon	Task	8	Complete	Create parsing module to write CSV file for collisions containing complete data.	ReadWrite.java
190331T1558	Benson	Task	9	Complete	Edge-weighted digraph and shortest-path algorithm modules created.	CollisionEWD.java, DijkstraSP.java
190331T1635	Leon, Joy	Task	6	Complete	Completed sorting module. Mergesort. Completed compareTo() for sorting.	Collision.java, Sort.java
190331T2353	Arkin	Task	2.1	In Progress	Finished multiple sections.	ReqSpec.tex
190401T1148	Leon	Task	10	Complete	Finished ADT for Seattle intersections and corresponding read module.	Intersection.java, ReadIntersections.java

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190401T2235	Arkin	Task	2.2	In Progress	Created skeleton for the Design Specification.	DesignSpec.tex
190401T2334	Leon	Task	11	In Progress	Start search algorithm and module.	Search-Collision.java
190403T0022	Arkin	Task	12	In Progress	Added Requirement Specifications to Final Presentation.	Group08_Project-Presentation.tex
190403T1311	Leon	Task	11	Complete	Completed search module.	Search.java
190403T1311	Leon	Task	4.2	Complete	Update ADTs.	Collision.java, Intersection.java
190403T1410	Benson	Task	13	In Progress	Created Edge ADT	Edge.java
190403T1448	Leon	Task	14	Complete	Completed Street ADT and corresponding module.	Street.java, Read-Streets.java
190403T1751	Leon	Task	15	Complete	Completed MakeGraph module and SearchIntersections module.	MakeGraph.java, SearchIntersections.java
190403T1833	Arkin	Task	12	In Progress	Completed multiple sections for the final presentation.	Group08_Project-Presentation.tex
190403T1900	Benson	Task	13	Complete	Completed Graph Module	EdgeWeighted Graph.java
190403T1931	Benson	Task	16	Complete	Debug modules	

Timestamp	Originator	Type	Task ID	Status	Comments	Supporting Document(s)
190403T2153	Benson, Arkin	Task	12	Complete	Completed final presentation slides.	Group08_Project-Presentation.tex
190403T2350	Benson	Task	17	Complete	Completed custom Dijkstra's shortest-path algorithm	DijkstraSP.java
1904010T1706	Joy	Task	18	Complete	Completed unit testing.	TestSorts.java, TestReads.java, TestSearch.java
1904010T1706	Leon	Task	19	Complete	Created and completed sorting for intersections dropdown menu. Added compareTo() function in Intersection.java.	Intersection.java, SortIntersectionDropDown.java
1904012T1145	Arkin	Task	2.1	Complete	Completed the Requirements Specification	ReqSpec.tex
1904013T0010	Arkin	Task	2.2	In Progress	Completed everything except the UML State Machines for the Design Specification	DesignSpec.tex
1904013T1358	Arkin	Task	2.1	Completed	Added the Scalability to the Requirements Specification	ReqSpec.tex