Personal Report

Name:	Manvitha Vaduguru
Project:	Project 2 – Emergency Vehicle Dispatching System

Write down each group member's contributions in the project, including yourself:

Team Member	Contributions
Manvitha Vaduguru - 16239074	1. Designing Idea and workflow 2. Data – Multi Request Table file, Multi Request Complete and Single Request Table File and to update the vehicle id after request is completed. 3. Implementation of processRequest() method which process multiple vehicles requests and also update Emergency Vehicle to 0 and Request tables with vehicle ID's and also upon complete request it updates particular Vehicle ID to 1 in Emergency Vehicle table. Integration of Dijkstra's algorithm for undirected graph. 4. Testing – Unit testing on implemented part. 5. Documentation – Assumptions, Time Complexity analysis 6. Integrated Testing
Sujitha Puthana - 16233500	1. Designing Idea and workflow 2. Data – Complete Request file which contains the requests to be completed. 3. Implementation of completeRequest() method which updates the availability of the vehicle to 1 once the processing the request is completed. Architecture and Algorithm Design. 4. Testing – Unit testing on implemented part. 5. Documentation – Brief idea, Time Complexity analysis 6. Integrated Testing
Megha Nagabhushan - 16226858	1. Designing Idea and workflow 2. Data – Emergency Vehicle file which contains data about vehicles available in zip code 3. Implementation of processRequest() method which processes the request and updates the availability as 0 in the Emergency Vehicle file once the vehicle has been assigned. Integration of Quick Sort Algorithm. 4. Testing – Unit testing on implemented part. 5. Documentation - Brief idea, Time Complexity analysis 6. Integrated Testing
Jnana Gayathri Penumetcha - 16241948	1. Designing Idea and workflow 2. Data – Distance File containing the distance between two zip codes. 3. Implementation & Integration of Dijkstra's algorithm for directed graph. 4. Integrated Testing for directed graph

Write down what you learned:

1.Analyze the given scenario in a simple way.
2. Implementation of dijkstra's algorithm and multi-threading concepts.
3. Analyzing the time complexity of implemented project which data structures.
4. How to use the data structures and which one works well.
5. Briefly implement one real world scenario in java.

Feedback about the project (comments, suggestions for improvement, etc.)

1.Very good idea for project.
2. Good way to improve our skills
3. Got a chance to apply what we had learnt so far in DAA class
4.
5.