Personal Report

Name:	Yalamanchili Sowmya
Project:	Project 2 – Emergency Vehicle Dispatching System

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

Team Member	Contributions
Sowmya 16246716	1. Designing idea and workflow 2. Sort the distances obtained by using quick sort algorithm and to find the availability of required vehicle in the nearest possible zipcode. 3. Unit testing on the implemented part 4. Analysis of Time complexity 5. Documentation
SreeLakshmi 16244172	1. Designing idea and workflow 2. Sort the distances obtained by using quick sort algorithm and to find the availability of required vehicle in the nearest possible zipcode. 3. Unit testing on the implemented part 4. Analysis of Time complexity 5. Documentation
Sudheesha Reddy 16241536	1. Designing idea and workflow 2. Processing the request by taking the graph input and vehicle availability and giving those to Dijkstra's algorithm to find the distances 3. Unit testing on the implemented part 4. Analysis of Time complexity 5. Documentation
Onica Rayineedi 16241536	1. Designing idea and workflow 2. Processing the request by taking the graph input and vehicle availability and giving those to Dijkstra's algorithm to find the distances 3. Unit testing on the implemented part 4. Analysis of Time complexity 5. Documentation

Write down what you learned:

1. Gathering the requirements and building a solution based on that using modular approach
2. Implementing the algorithm to compare the availability of nodes effectively based on shortest distance
3. Implementation of Quick Sort from the distances obtained
4. Analyzing the time complexity of the solution and modifying the solution to achieve minimum complexity
5. Configuring the routes in the xml file as a input to the web container

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

1. Analyzed the real life implementation of the dijkstra's Algorithm
2. Increased the thoughts for implementing best complexity based solution