

FILLING THINGS THAT ARE COMPLETED IN WITH GREEN							
Component	Task	Requirement Specification	Application Feature	Time Estimate (Hours)	SWE Activity		Component List
Open Route Service	Reuse Byfer Code for getting JSON response from service.	Getting distance matrix between set of locations.		Completed	Software Reuse		Open Route Service
	Write JUnit tests for time distances from response.				3 Software Testing		
	Perform quality assurance test using ORSfactory				1 Software Quality		
User Interface	Develop architecture for the document screen from use cases.		Application User Interface		1		
	Write a document on how the user interface fulfills each usecase.				1 Software Specification		
	Design user selection of database from supported set of databases.	Allow input of mongo database for location index of orders and drivers.			2		User Interface
	Design user input of database connection credentials.				1		Dataset Interface
	Check for database status.			Completed	Software Reliability		Algorithm
	Design user input for run curate dataset from database.				4		Documentation
	Design user input for run algorithm.				4		Parser
	Design user input for exporting results.				4		
	Design display of results to screen.	Display the average time to delivery.			4		
	Graphically display the difference in average wait time vs drivers.				5		
	Check for correct database size. [Software]	Must be a minimum 25 restaurants available to order from.			2		
	Create a testing document for user interface.				3 Software Testing		
	Perform quality assurance test.				1 Software Quality		
Dataset Interface	Research area of interest and define area of service for FreshFood. (DECIDED ON JERSEY CITY)		Database Management Integration				
	Curate dataset of 25-50 restaurants. (WE HAVE 168 RESTAURANTS)	Must be a minimum 25 restaurants available to order from.					
	Curate dataset of 1000 possible dropoff locations. (WE HAVE 4900 LOCATIONS)	Must be able to handle up to 1000 hours at a time.					
	Create standardized database format.	Documentation for Fresh Food interaction with the system.	Support for different databases				
	Write code for getting collection from user database.	Application interface for uploading to database the company wishes to use.					
	Define methods for interacting with supported databases and returning JSON.						
	Implement methods for notifying user of incorrect data input or otherwise failure to interface with database or open file.				Dependable Engineering		
Parser	Define methods for parsing JSON response from Dataset Interface and returning usable data.		Support for different databases				
	Research database JSON response for MongoDB and other supported database.						
	Write code for parsing JSON response for supported databases.						
Algorithm	Generate workflow for algorithm behavior.						
	Write code for creating query for ORS.			Completed.			
Documentation	Generate database format document for supported databases.						
	Generate javadoc.						
	Class Diagram						

	Develop a use case diagram for FreshTime.			Completed				
	Draft MongoDB Format Document							
	Generate Gantt Diagram							
	Generate State Diagram							
	Generate Sequence Diagram							