Expenses Report Program

Task	Duration, Days	Resources
Design	1	Kieran
Menus	1	Kieran
User input	1	Kieran
Interface	4	Kieran
Source data	1	Kieran
Calculations	1	Kieran
Testing	1	Kieran
Class builds Encapsulation	2	Kieran
Print Summary	1	Kieran
Validation	1	Kieran
Final Testing and Refactoring	2	Kieran
Implementation	1	Kieran

	Week 1							Week 2
	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
	Design							
		Menus						
	Source data							
		User Input						
			Interface				Interface	
			Calculations					
				Testing			Final Testing	
					Class builds & Encapsulation			
						Print Summary		
						Validation		
								Refactoring
								Implementation

Duration, days

1	2	3	4
Design			
Menus			
User Input			
Interface			
Source data			
Calculations			
Testing			
Class builds & Encapsulation			
Print Summary			
Validation			
Final Testing			
Refactoring			
Implementation			

Day 1

UML deisgn and deisgn stage was initially for battleship in order to maintain deadline, this was skipped to keep on track for the deadline. Source data for users and gathering client specifications were achieved.

Day 2

Menus with selections, areas for user input and initial interface with consistant menu designs were created, some simple calcualtions were added

Day 3

Some adjustments to menu designs and code structure to direct the order of the program; user selection was added with a simple user ID attached to each user. all calucations for total costs, tax and reimbursement were completed

Day 4

Testing calculations and reciept outcomes. Added file handling, saving it based on the user selection. I did struggle with saving into different area. Added some loops for incorrect input and multiple trips and expenses

Day 5

Seperated code into classes and seperate files to clean up the code and add modularity and reduce code.

Day 6

Clean up reciept summary. Some calculations having some incorrect results after sperating code into files and classes, changed public properties to private. added some validation for menu selection and if errors occured from file saving

Day 7

Added features for users to understand what the program was about to perform. Testing stage, this was through myself and a few end users, gathered data and addressed areas for improvement

Day 8

Evaluated test data and feedback from senior staff, added more data validation and errors when user is trying to make changes, final uploaded to GitHub, with wiki and passed onto client