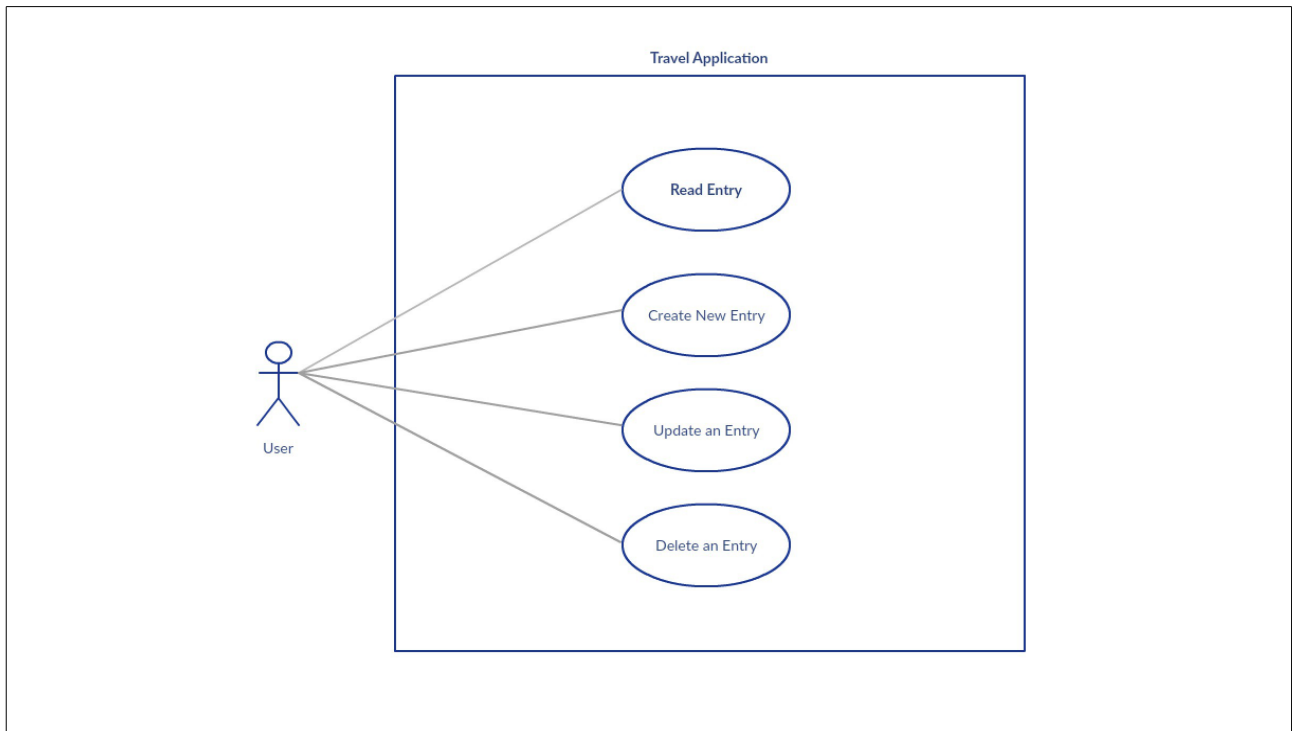


## Evidence for Analysis and Design Unit.

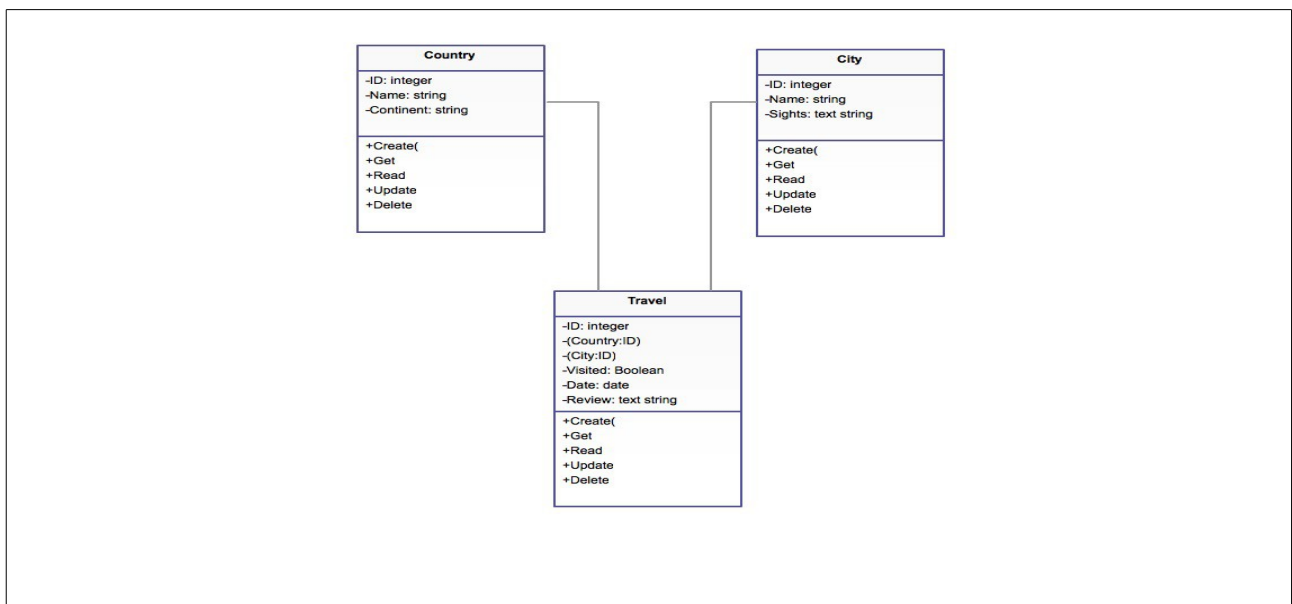
Hamish Hoad

Cohort E-21

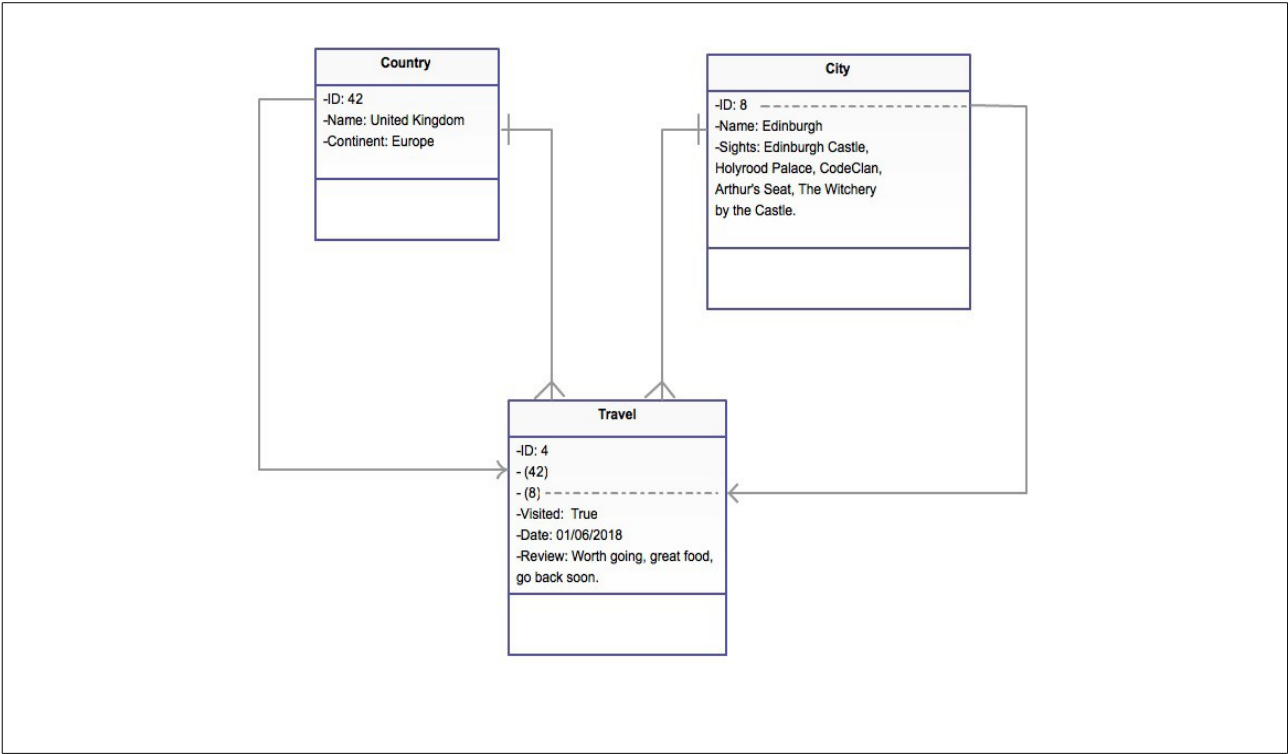
### A.D.1 Use case Diagram



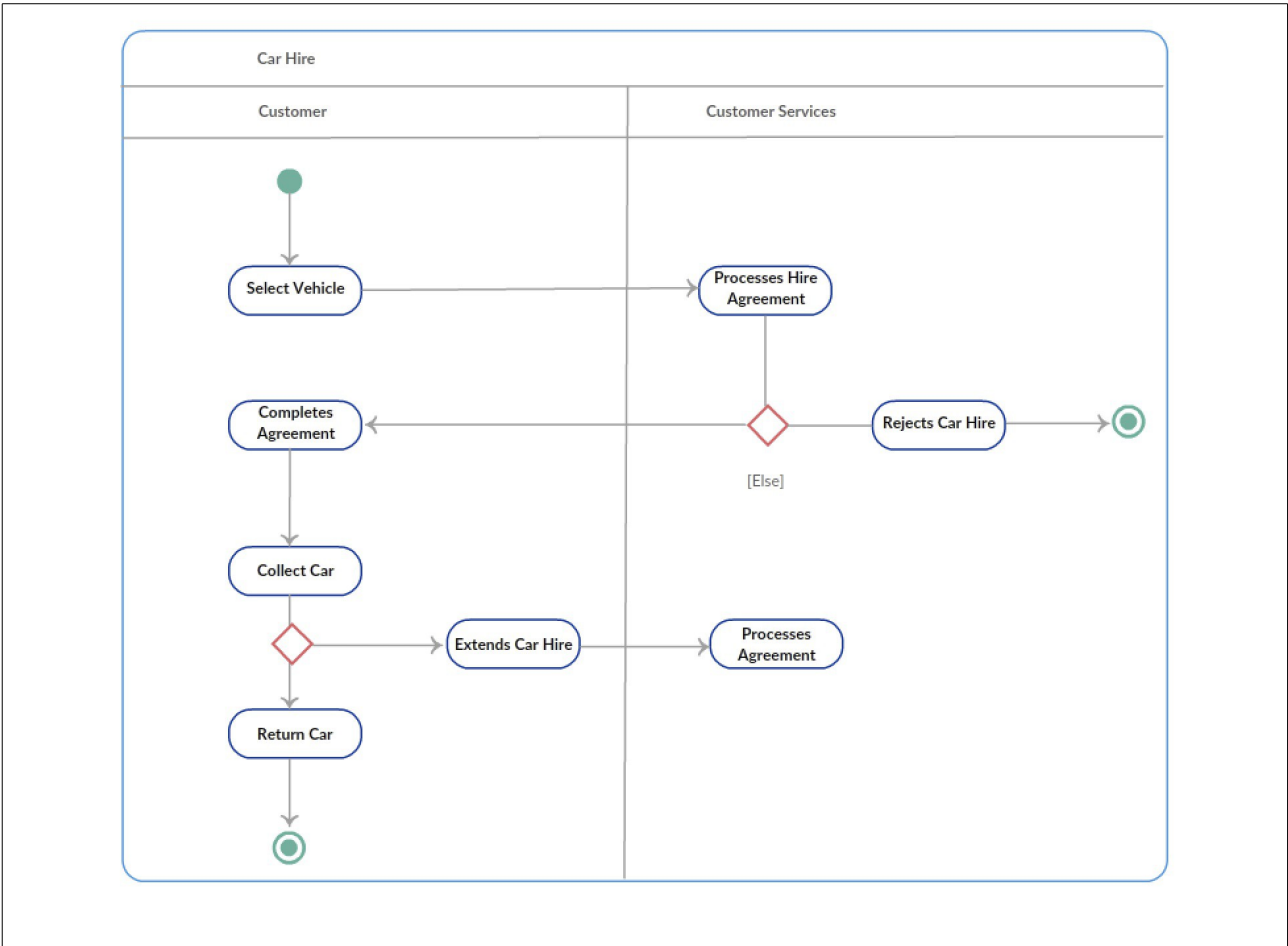
### A.D.2 Class diagram



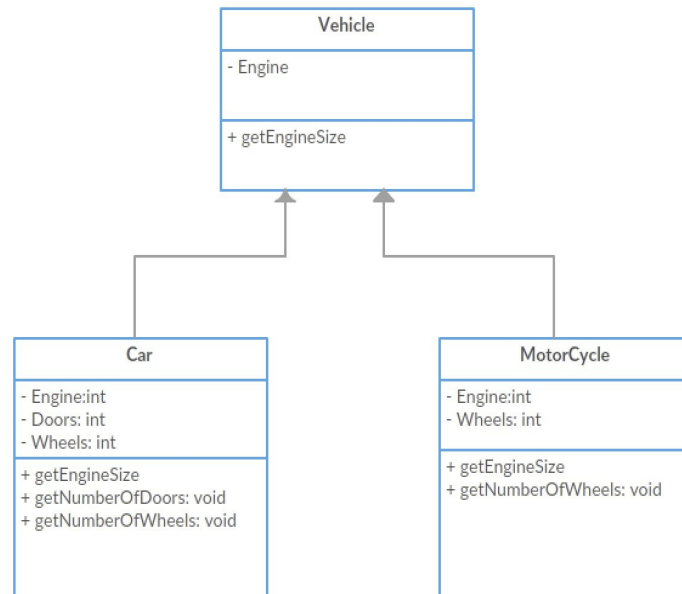
A.D.3 Object diagram



A.D.4 Activity diagram



### A.D.5 Inheritance diagram



### A.D.6 Implementations Constraints

#### Implementation Constraints Plan

Topic	Possible effect of constraint on product	Solution
Hardware and software platforms	The product is written in the programming language "Ruby".  'Ruby' programming is not preinstalled with Microsoft Windows operating systems.	The individual Microsoft Windows operating systems that will use the product will require updated with a Ruby installation.
Performance requirements	None evident.	Monitor during development.
Persistent storage and transactions	None evident.	Monitor during development. Optimise code.
Usability	The product is built to specification for a single user and would require further development for multiple users.	Monitor during development. Plan for multi-user login if necessary.
Budgets	None specified.	
Time limitations	Fixed deadline for completion set for 09:00 on Friday 11 May 2018	Plan a daily schedule to complete the MVP ahead of the deadline.  Add extensions to fit within the remaining time constraints.