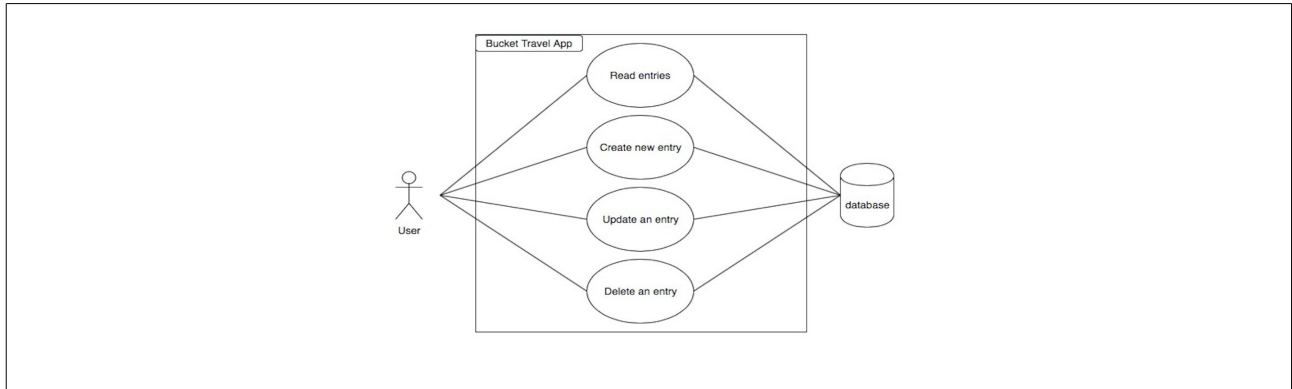


## Evidence for Analysis and Design Unit.

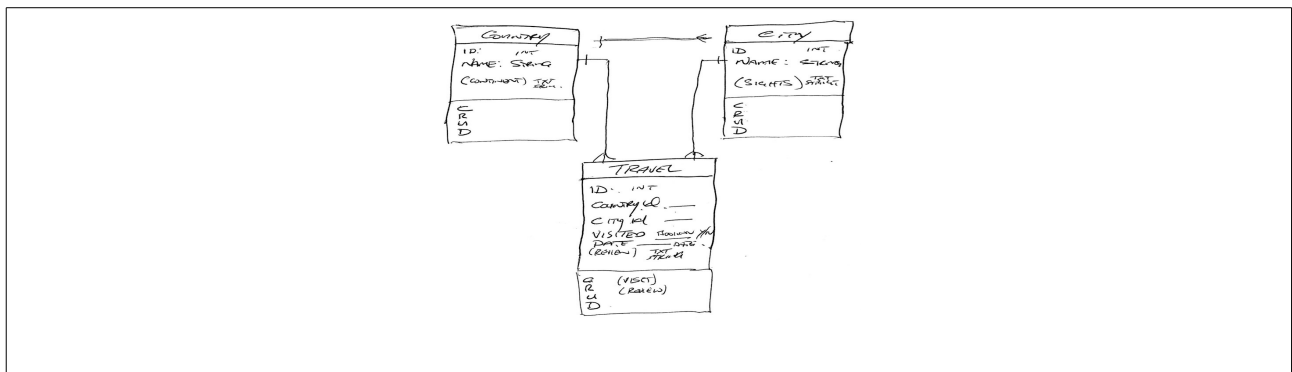
Hamish Hoad

Cohort E-21

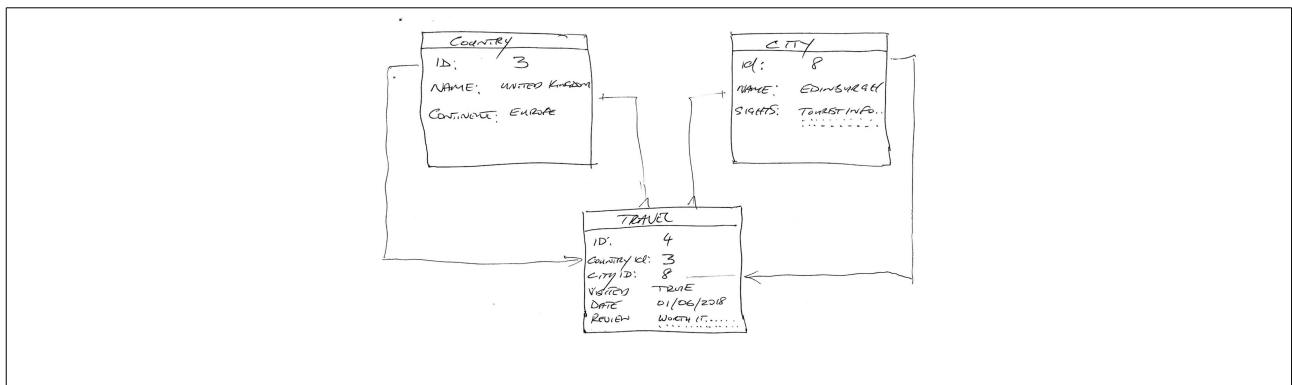
### A.D.1 Use case Diagram



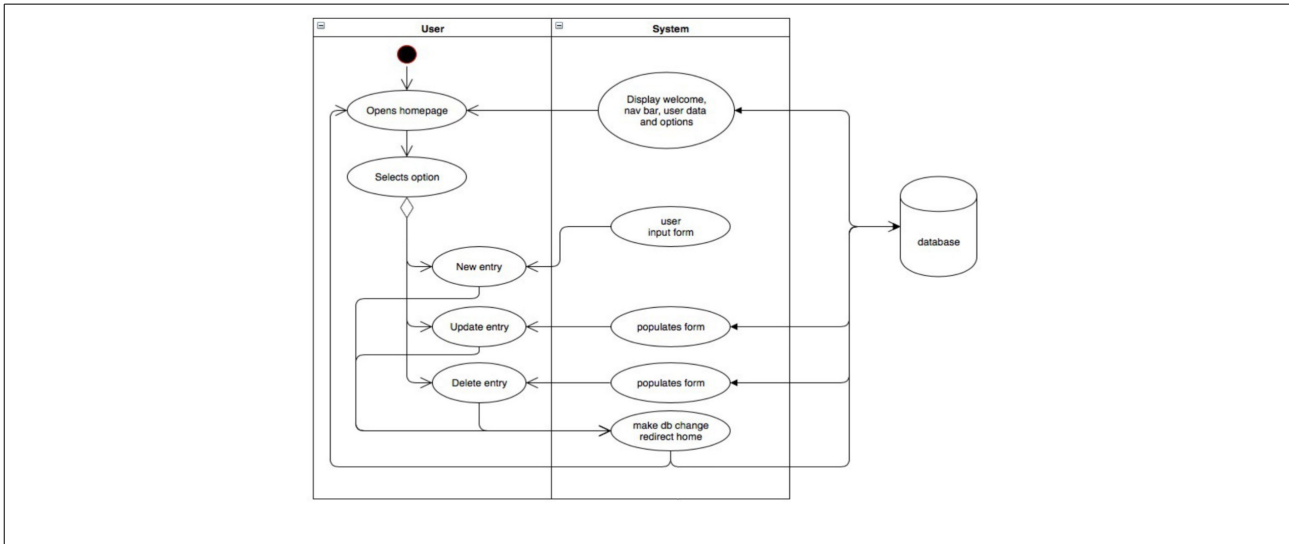
### A.D.2 Class diagram



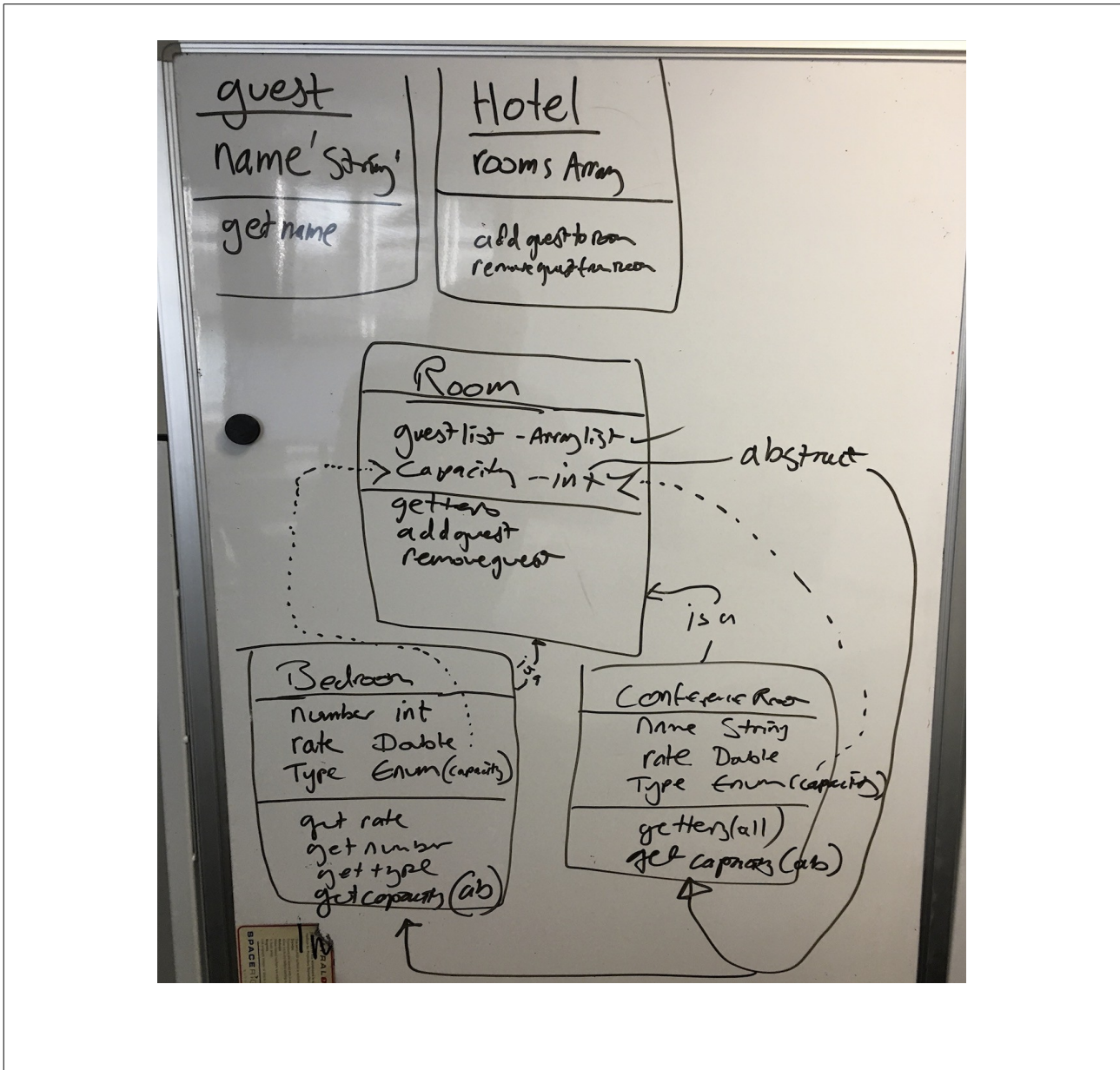
### A.D.3 Object diagram



#### 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	'Ruby' programming is not optimised for, or preinstalled with Microsoft Windows OS.	Ruby installation required for MS Windows.
Performance requirements	Database connection is made via local host:	Cache db of file.
Persistent storage and transactions	None evident.	Monitor during development. Optimise code.
Usability	Project specified for a single user.	No multi user login. No user table held in the database.
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.