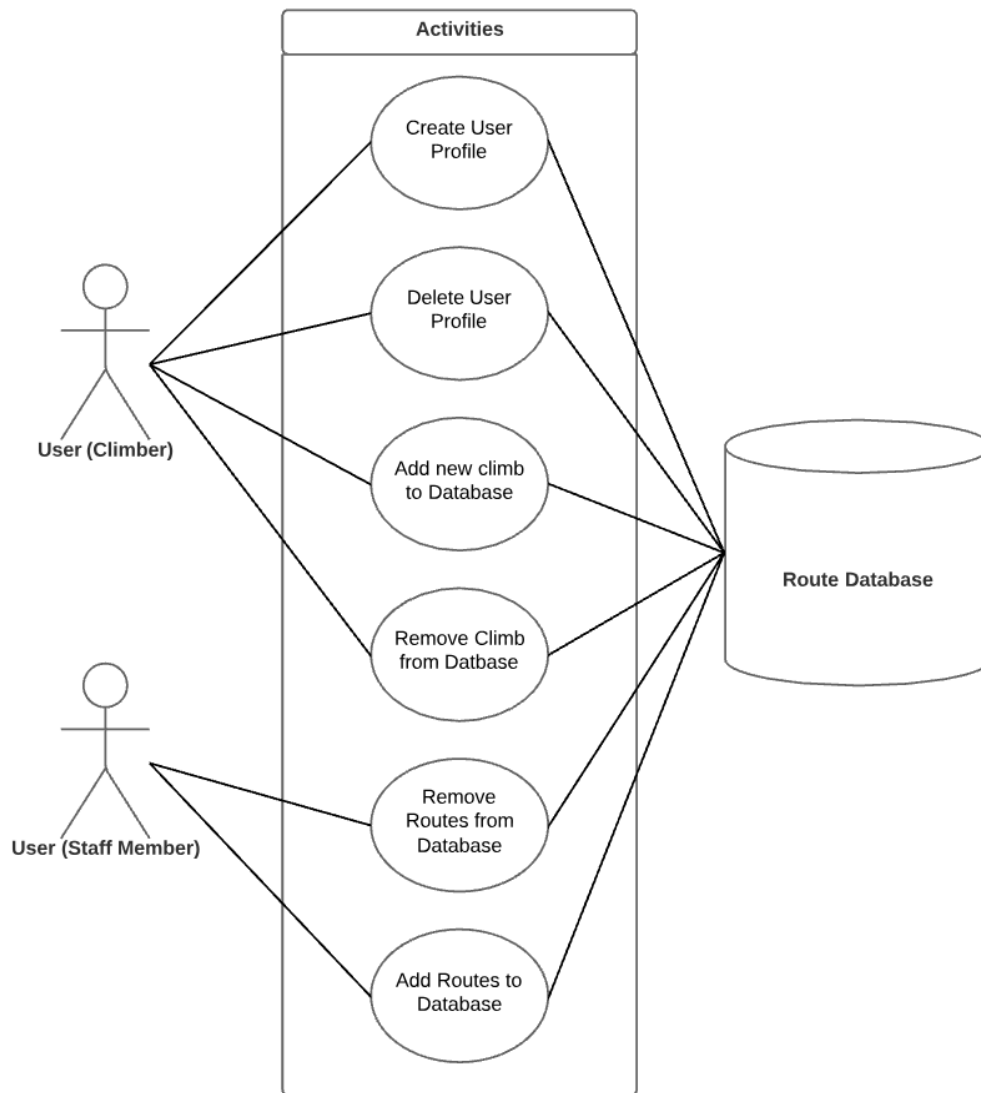


Evidence for Analysis and Design Unit.

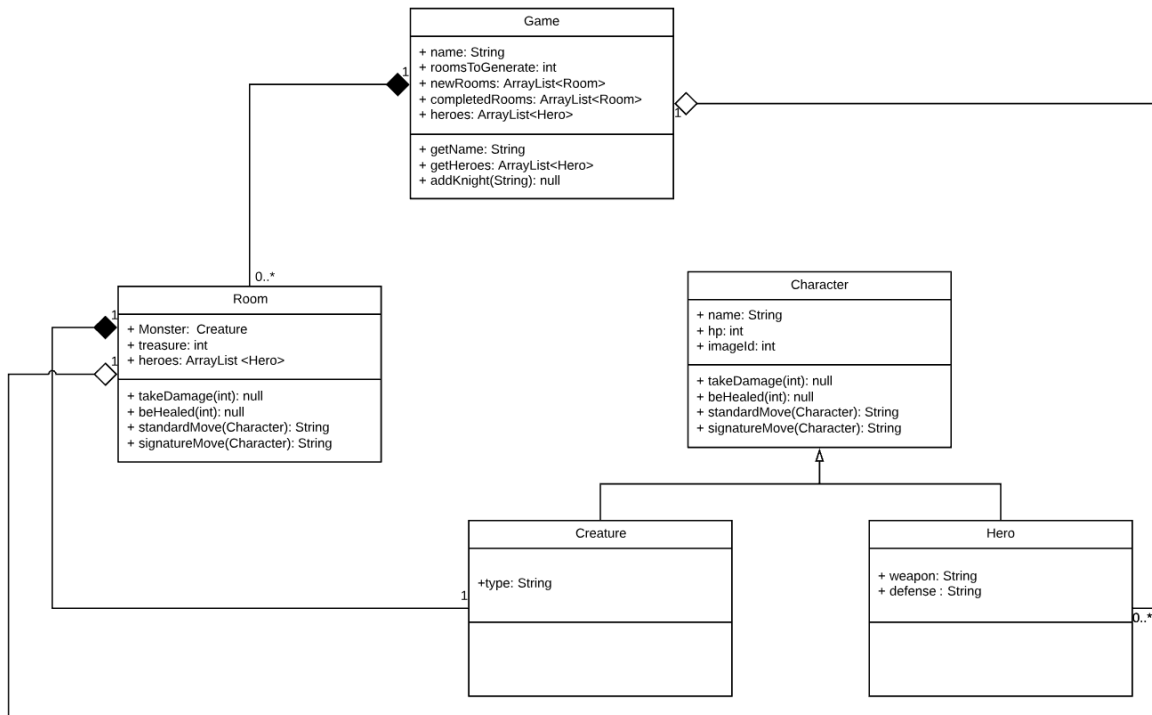
Michael Heneghan

A.D.1 use Case Diagram



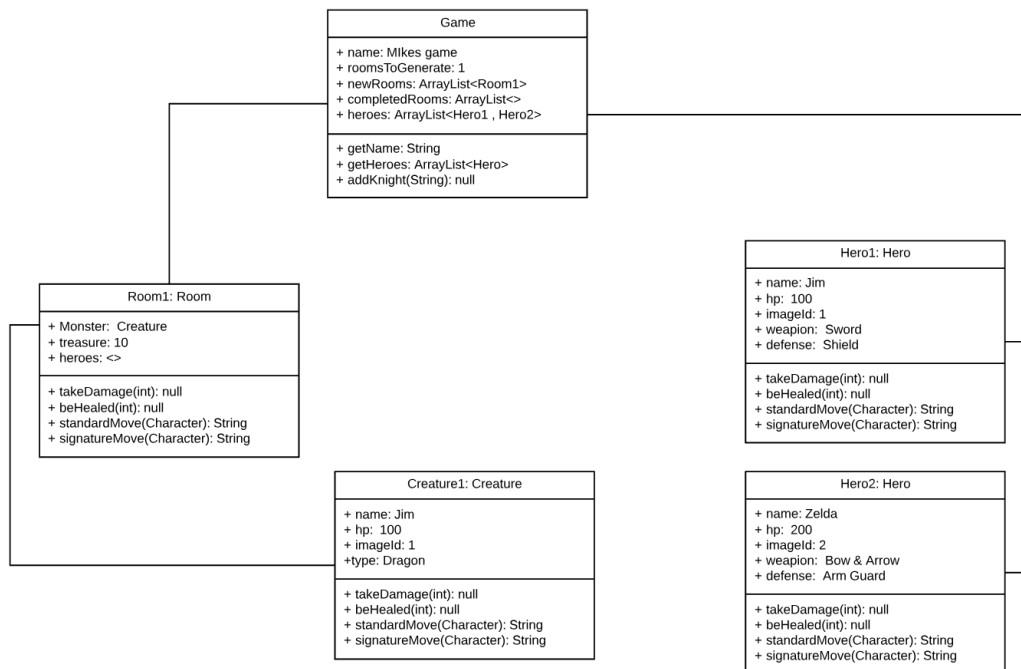
BOULDERING WEB APP

A.D.2 Class Diagram



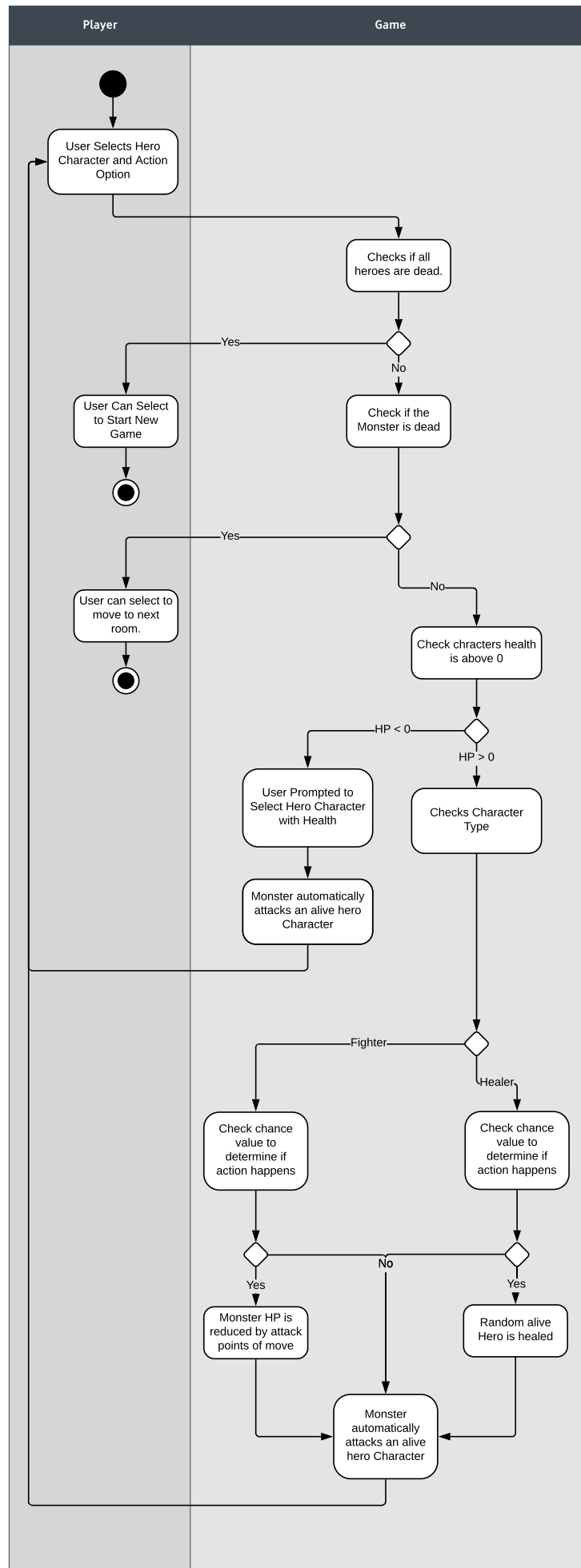
FANTASY GAME CLASS DIAGRAM

A.D.3 Object Diagram

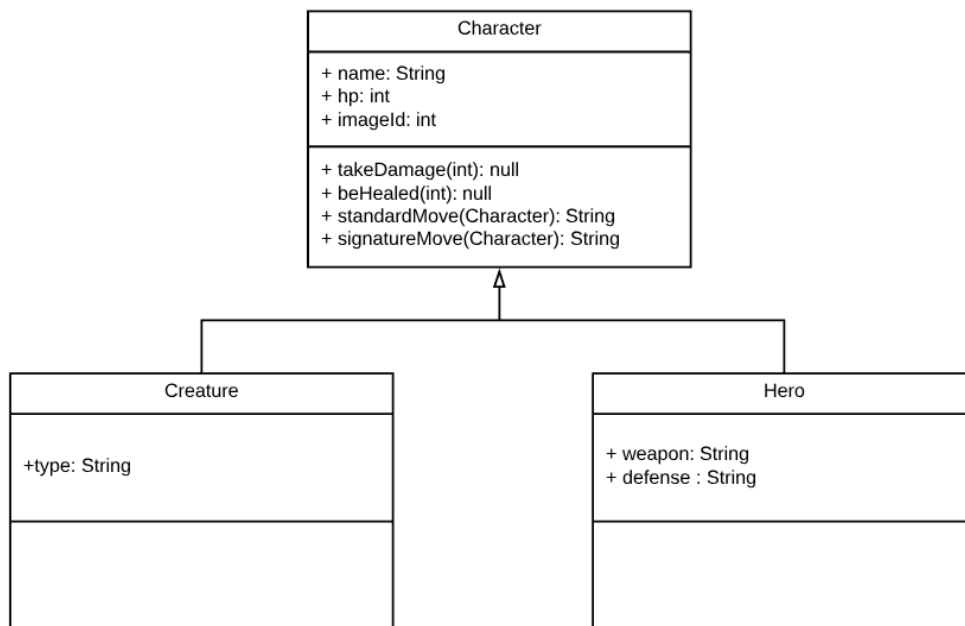


FANTASY GAME OBJECT DIAGRAM

A.D.4 Activity Diagram



A.D.5 Inheritance Diagram



FANTASY GAME INHERITANCE DIAGRAM

A.D.6 Implementation Constraints Table (Bouldering Web App)

Topic	Possible effect of constraint on product	Solution
Hardware and software platforms	System crashing if not enough RAM memory. Database on laptop computer rather than dedicated server so may be overwhelmed if there are multiple users.	Optimise code, increase system memory. Purchase or rent dedicated server for storing database.
Performance requirements	Data only available on machine no server used to host web app.	Rent server space to make the web app available with data connection.
Persistent storage and transactions	Data stored on local database on computer. Susceptible to being wiped through incorrect use. No user permissions to lock destructive tasks.	Save backups of table data to allow information to be recovered. Create differing levels of account privileges through authorisation to avoid incorrect use of web app.
Usability	If input forms and website design are not accessible to screenreader etc some users may not be able to use them.	Take the time to follow correct practices to make the website available to as many users with additional needs as possible.
Budgets	No available budget for domain name and server space.	Increase budget to make this available.
Time Limitations	Work has to be completed in 5 working days.	Increase the project time by two weeks.

