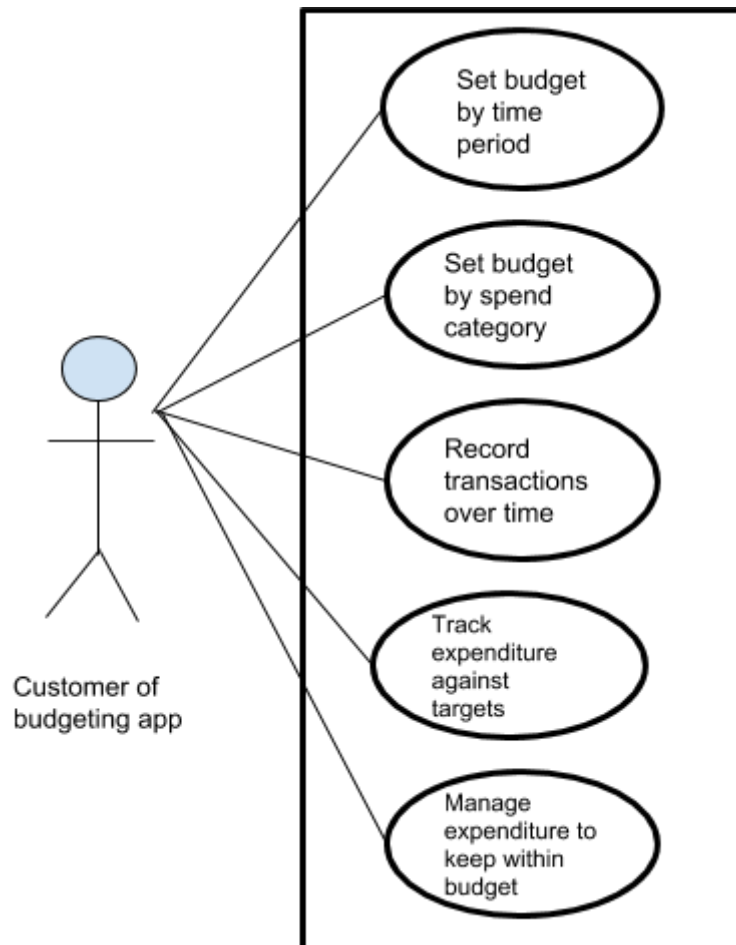


## Evidence for Analysis and Design Unit

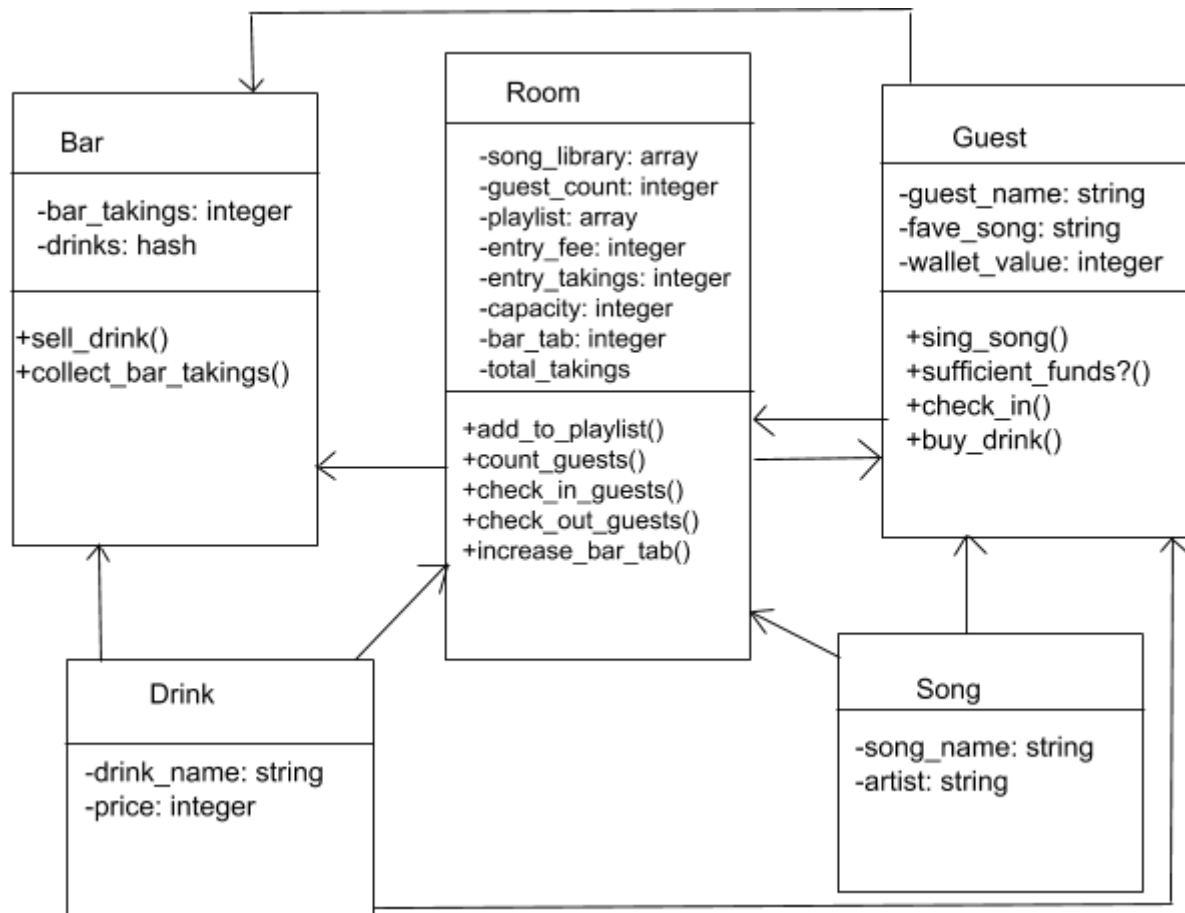
Verity Ashforth

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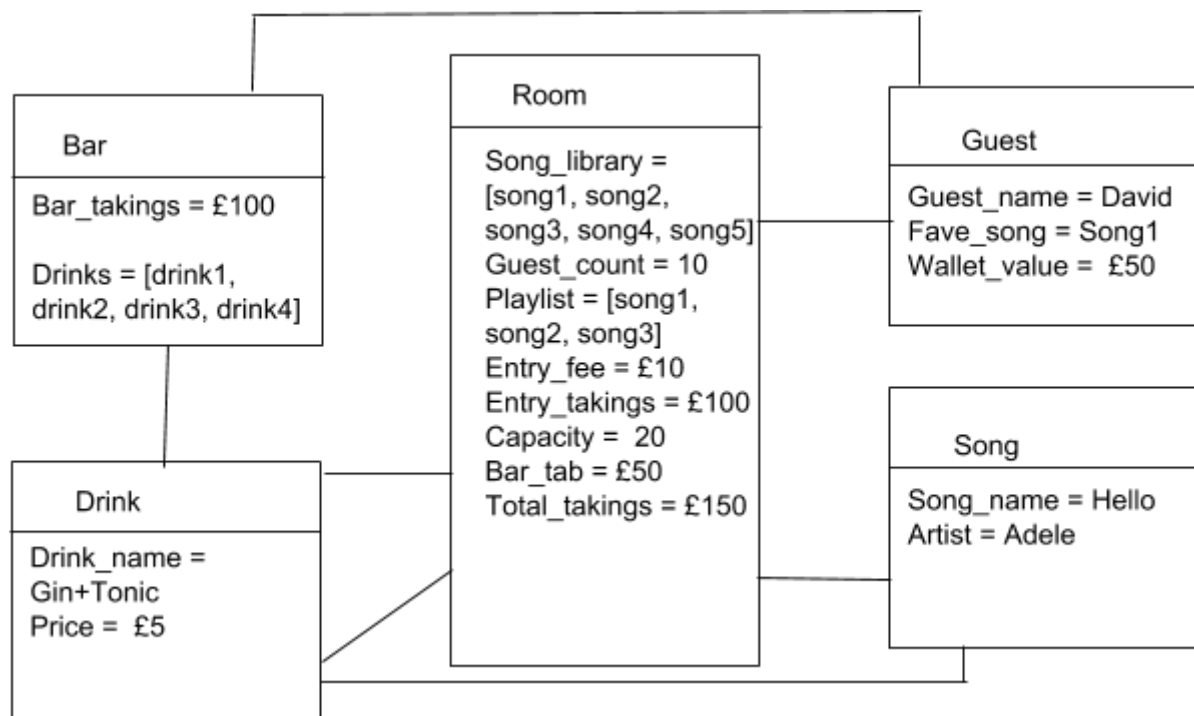
### AD1 - Use Case Diagram



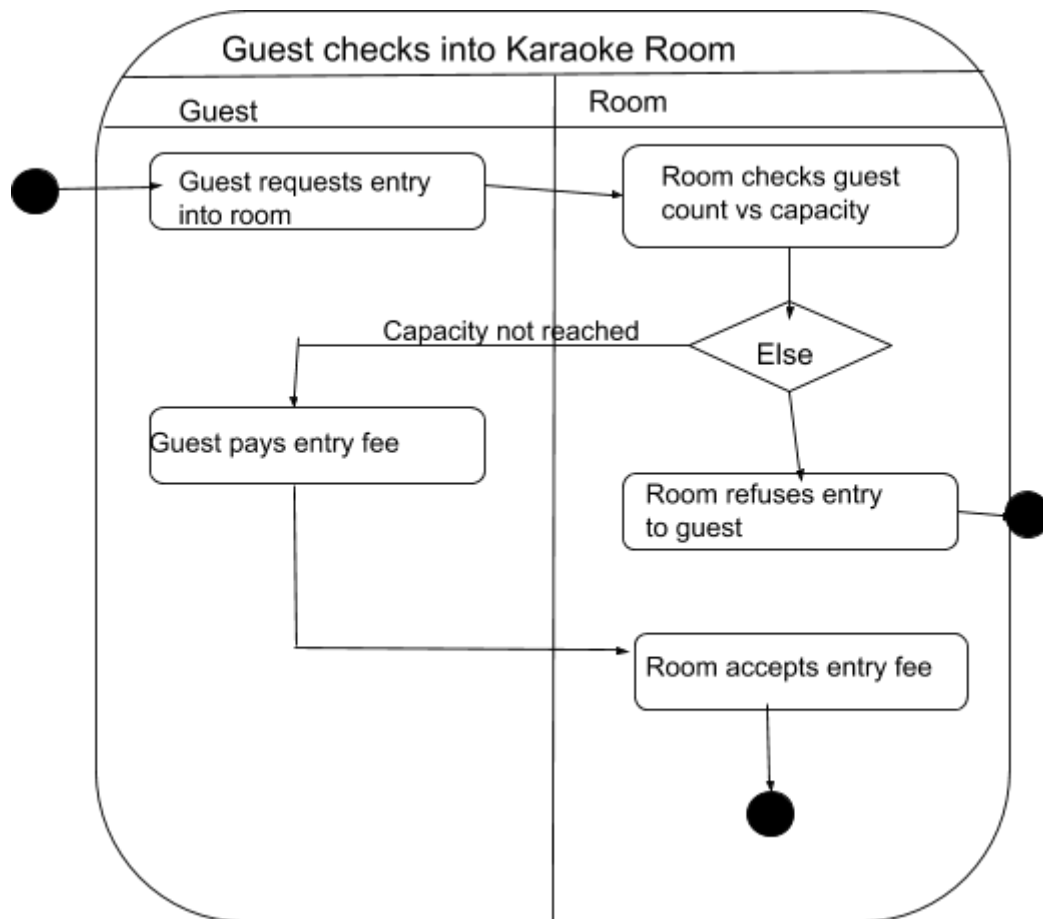
### AD2 - A Class Diagram



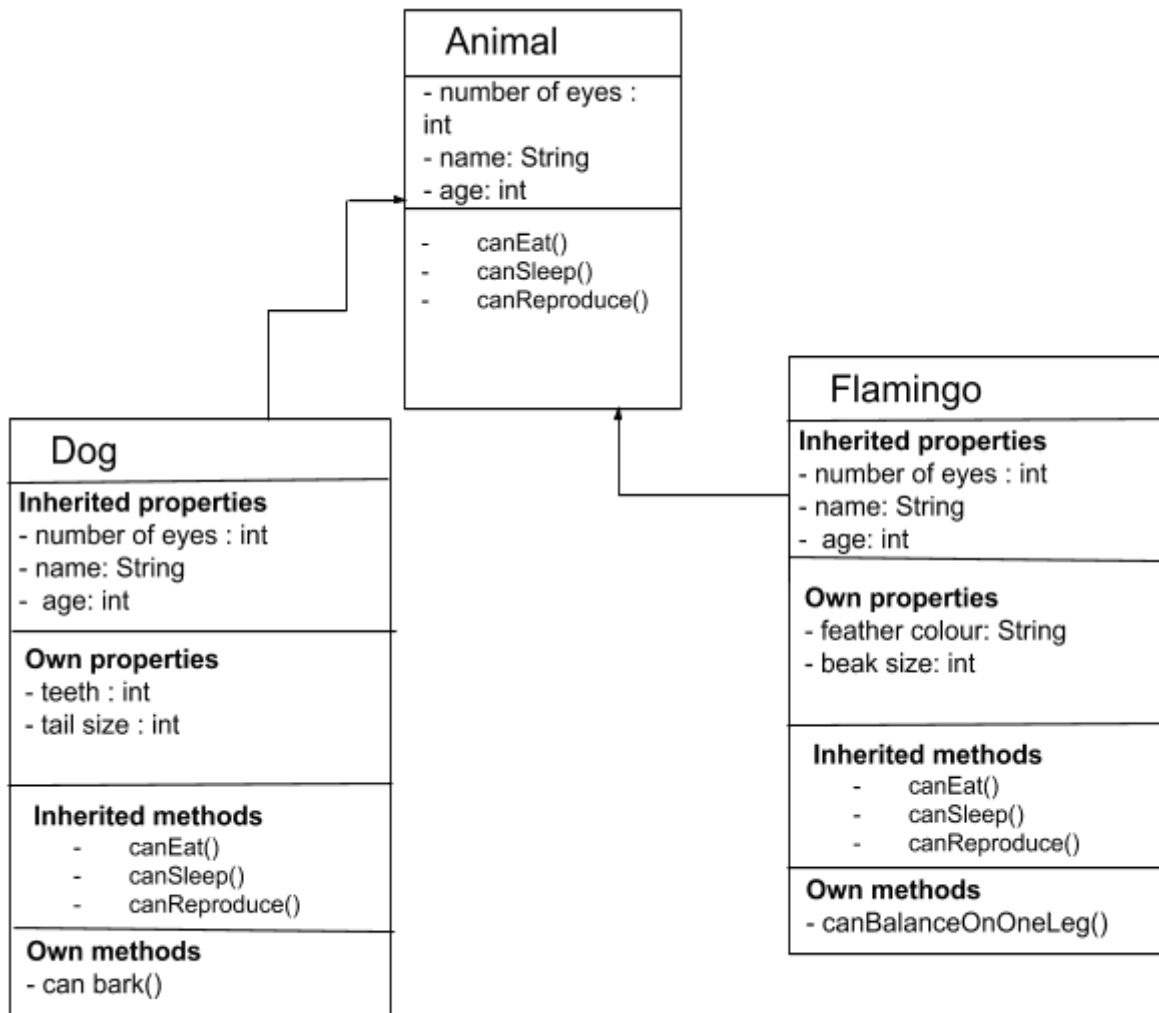
### AD3 - An Object Diagram



#### AD4 - Activity Diagram



#### AD5 - An Inheritance Diagram



## AD6 - Implementation Constraints

Topic	Possible Effect of Constraint on Product	Solution
Hardware and software platforms	<p>Hardware/software updates over time could mean the website no longer runs properly, shows animations properly, etc. For example updates in web browsers.</p> <p>Software used to write the web-page could become obsolete, no longer supported.</p> <p>This could result in poor user experience, detriment to reputation and brand due to this, less sales overall.</p>	Need to regularly update website to ensure compatibility with all web browsers/platforms.

Performance requirements	<p>The budgeting app currently only works as a full screen web-page.</p> <p>This restricts the potential customer base, e.g. if people only want to use apps and not web pages.</p>	<p>Requires further CSS development so that it can be viewed on smaller screen sizes/ on mobiles, tablets, etc. Use inspect to test for accessibility and develop the HTML code to make it accessible to screen readers, etc.</p>
Persistence storage and transactions	<p>There are only a few seeded transaction types available to use in the drop down. This could be deemed restrictive and therefore result in poor user experience/reputation of the project.</p> <p>The website will only work if connected to the SQLPostgres database used for the project. Connection problems would stop transactions being saved.</p>	<p>Could extend the seeded data to provide additional options.</p> <p>Could have back-up databases. Need to maintain database.</p>
Budgets	<p>The website may need development, which could involve the cost of software developers, more up-to-date software, etc, which could exceed the budget available to the company. Overspend would reduce margin potential.</p>	<p>Need to allow for potential resource required in the annual budget.</p>
Time	<p>Only had one week to complete project so have constraints/limitations which could have been removed had there been more time</p>	<p>Spend extra time on the project to solve some of the constraints outlined above, e.g. accessibility, android layout compatibility, etc</p>