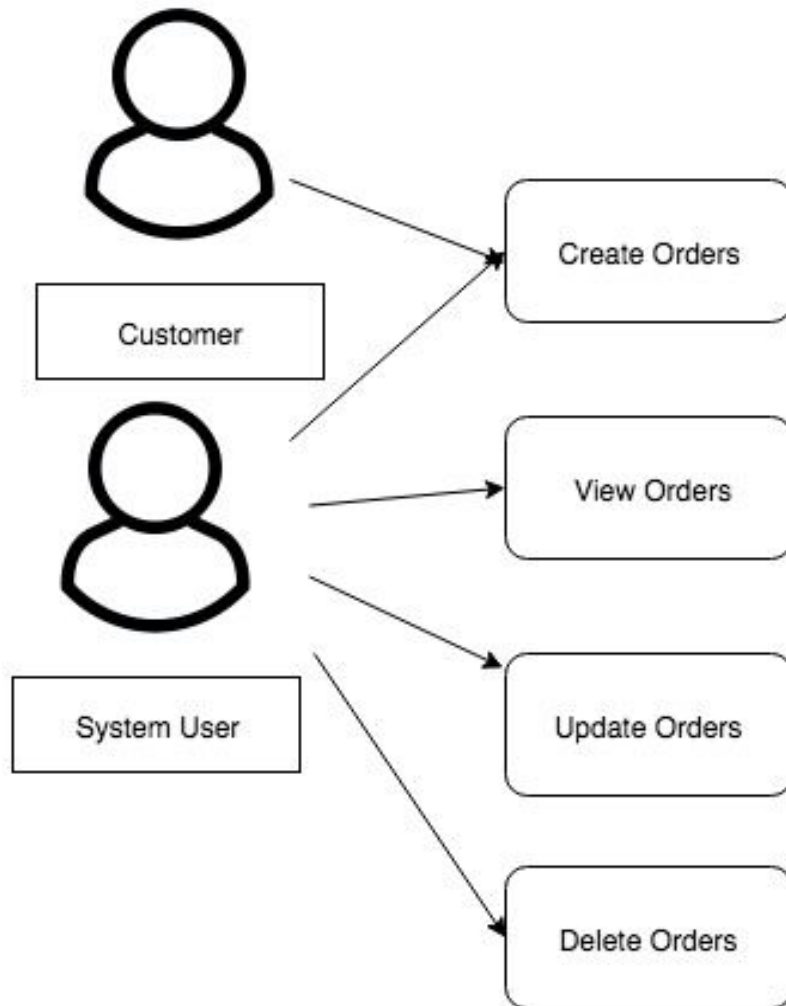
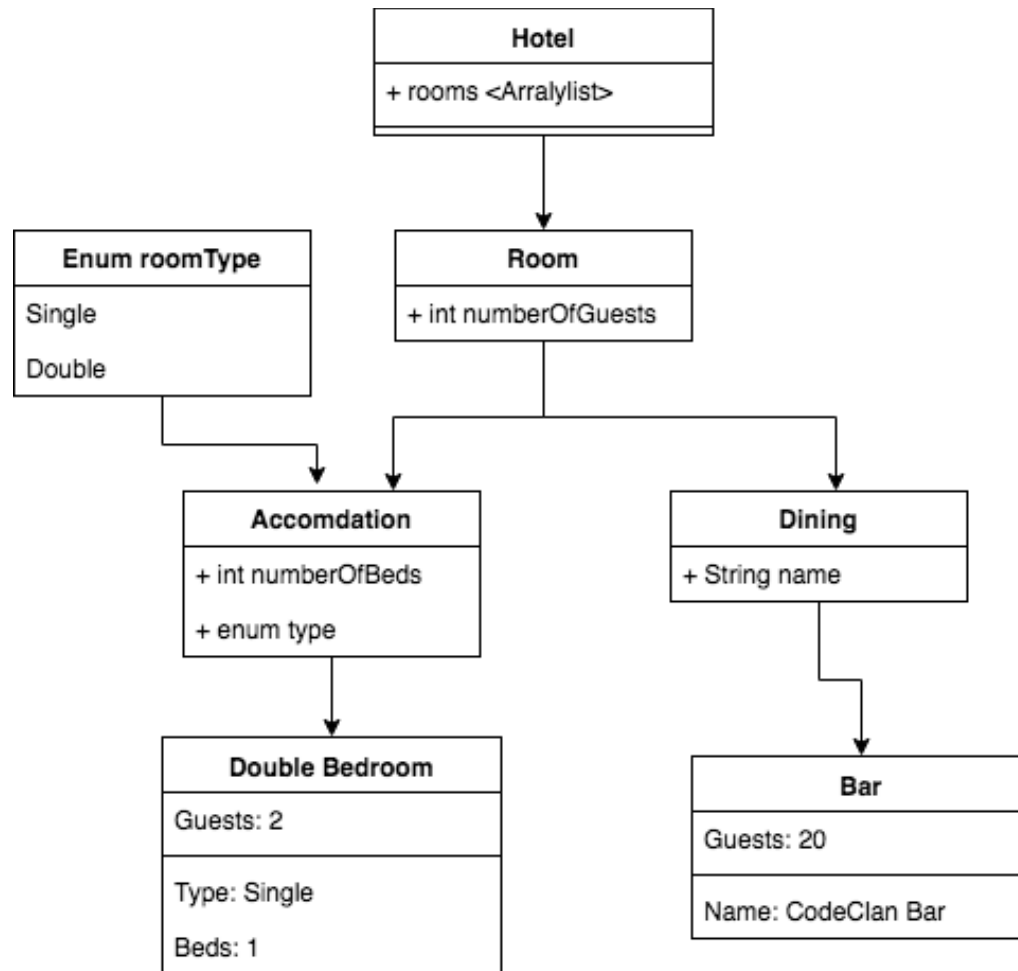


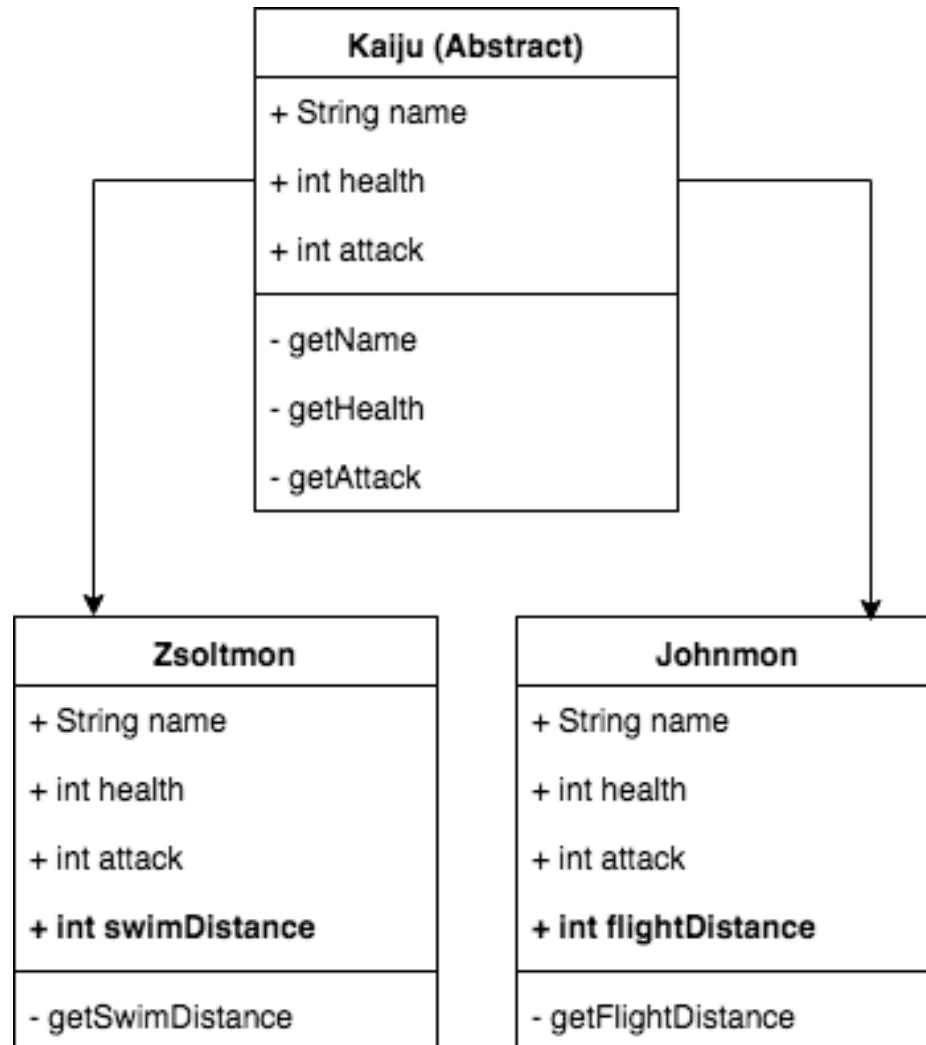
A.D 1 Case Diagram



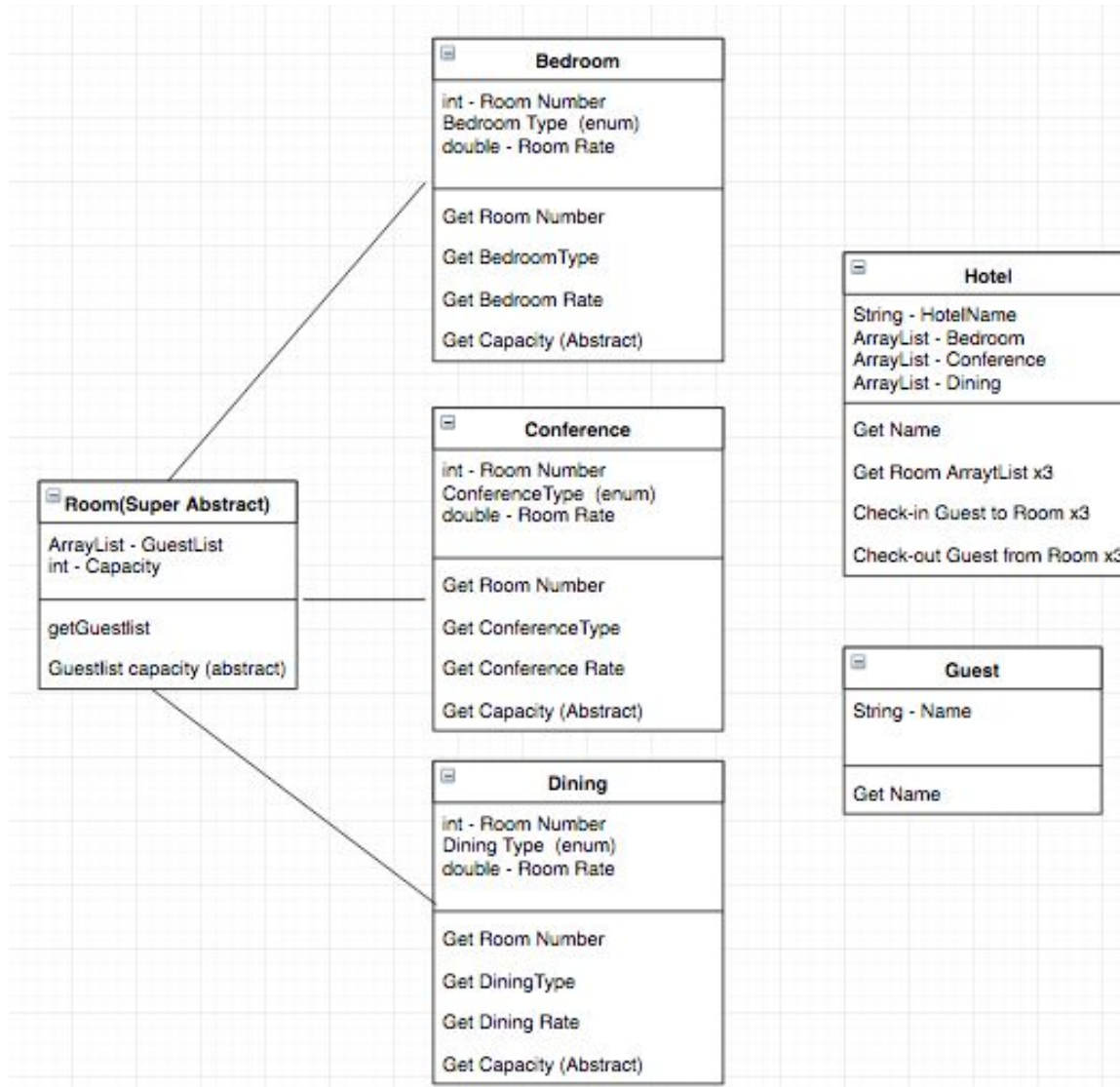
A.D 3 Object Diagram



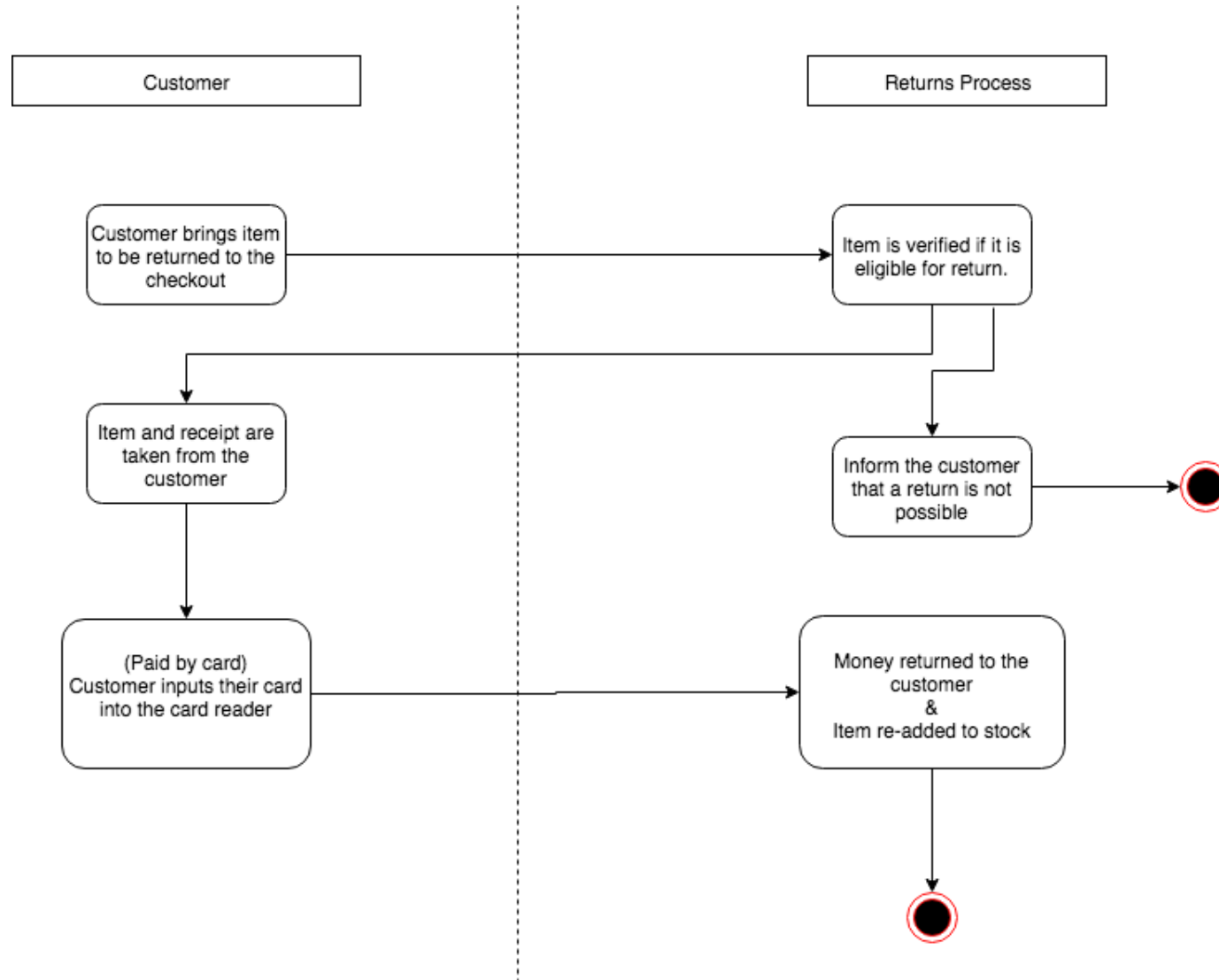
A.D 5 Inheritance Diagram



A.D 2 Class Diagram



A.D 4 Activity Diagram



A.D 6 Implementations Constraints plan: JavaScript Group Project		
Factors	Constraints	Possible Solution
Hardware & Software Platforms	<ul style="list-style-type: none"> To open the application, a new requires NPM packages to be installed and to run three separate commands in terminal. Due to this process, a user may find it difficult or cumbersome to run the application. 	<ul style="list-style-type: none"> Refactor the application so that is run on React instead of Vanilla JavaScript. This simplifies the set-up process for a new user.
Performance Requirements	<ul style="list-style-type: none"> The application can only be run on on the local machine which stores the application. This means the application is not readily available nor easily accessible. 	<ul style="list-style-type: none"> Have the application stored on an online server which meets the minimum requirements so that is can be accessed by numerous users.
Persistent storage and transactions	<ul style="list-style-type: none"> The data is returned from an external API outwidth the control of the app developers. A lack of quality control, or changes to the API may affect to the output in the application, changing the desired outcome of using the app. 	<ul style="list-style-type: none"> Store the parsed JSON objects within a owned database. This would place control with the app developers and maintain consistency with the data.
Usability	<ul style="list-style-type: none"> The application does not resize to work on mobile. It was designed to be used in a desktop environment. This reduces the usability of the application, therefore providing a negative experience for the user. 	<ul style="list-style-type: none"> More time is needed to further improve the CSS of the application. UX design should take into consideration the the varying devices the application may be used on.
Budget	<ul style="list-style-type: none"> No budget provided by client Free tools likely to have limitation/performance issues This will reduce the quality/usability of the application. 	<ul style="list-style-type: none"> Limited to using free tools which meet an agreed standard Design an MVP and agree with client on needs.

Time	<ul style="list-style-type: none">• Deadline of one week (Thursday 19th July 2018)• This reduced the amount of planning and functionality. A working prototype was required by the end of the week hence issues the screen resolution have arisen.	<ul style="list-style-type: none">• Agile working - ensure team are all on the same page• Stop, start, continue on MVP only• Delegation of tasks
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