

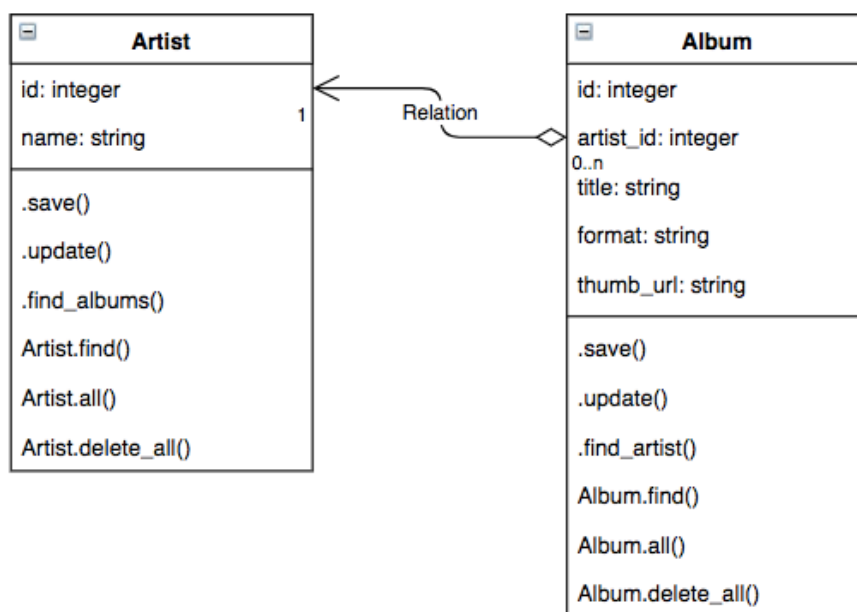
## PDA - Evidence for Analysis and Design Unit.

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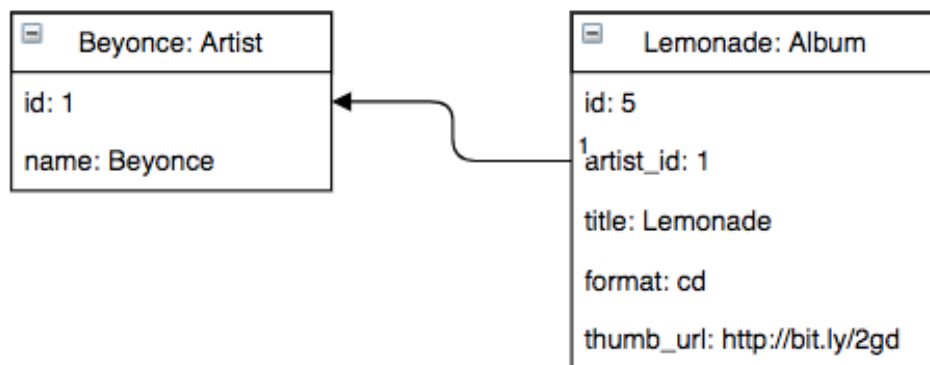
### A.D.1 - A Use Case Diagram



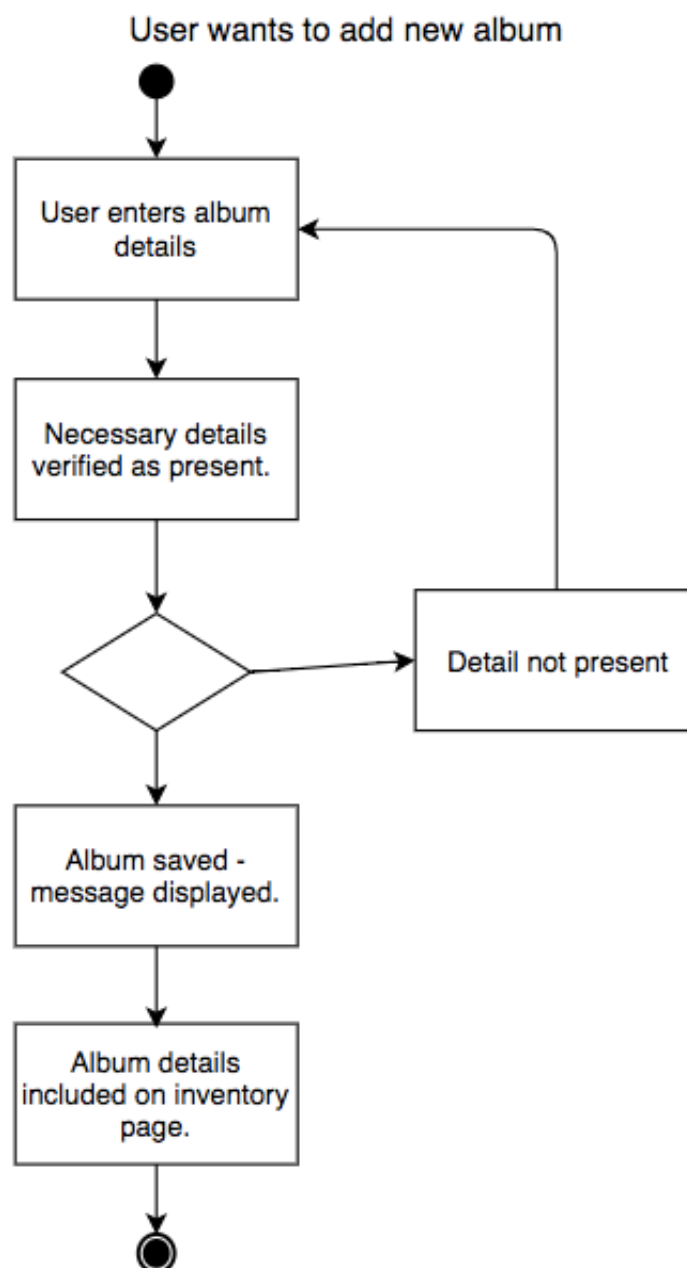
### A.D.2 - A Class Diagram



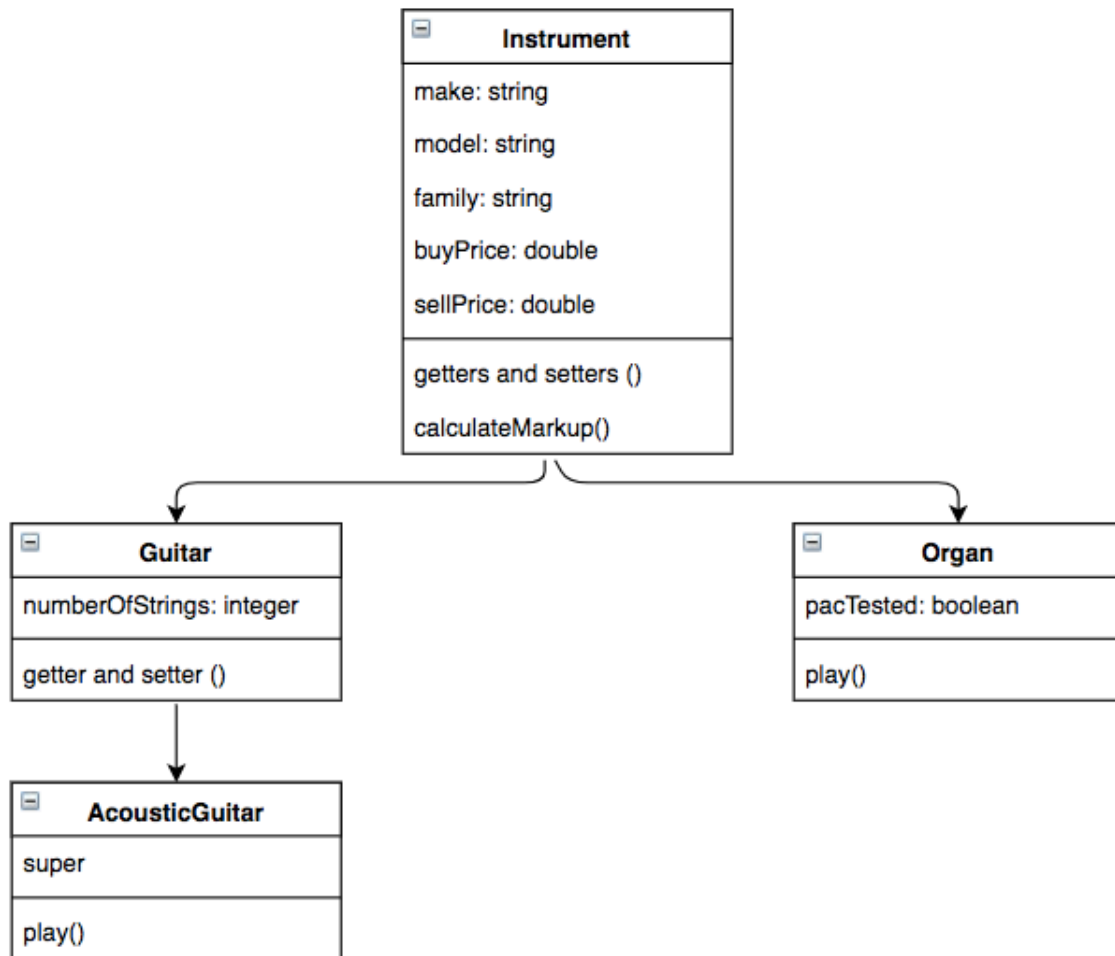
### A.D. 3 - An Object Diagram



### A.D.4 - An Activity Diagram



### A.D.5 - An Inheritance Diagram



### A.D.6 - Implementations Constraint Plan

Topic	Possible effect of constraint on product	Solution
<b>Hardware and software platforms</b>	Not currently optimised for mobile viewing which could effect the number of potential customers.	Simplify design so that both desktop and mobile are supported. Carry out testing on a wide variety of devices.
<b>Performance requirements</b>	Parse document as fast as possible after request or potential customers will look elsewhere.	Use Javascript asynchronous loading for faster display of product page.
<b>Persistent storage and transactions</b>	As customer base grows, and with time the database could become unwieldy.	Introduce time limit for database persistence and archive older records.
<b>Usability</b>	The site is not currently optimised for the visually impaired which limits our customer base.	Rethink design decisions - larger buttons etc. Carry out screen reader testing.
<b>Budgets</b>	Not applicable.	Project completed whilst studying at CodeClan.
<b>Time</b>	Short timeframe may make extended functionality difficult to test sufficiently.	Prioritise work on stable functioning minimum viable product.