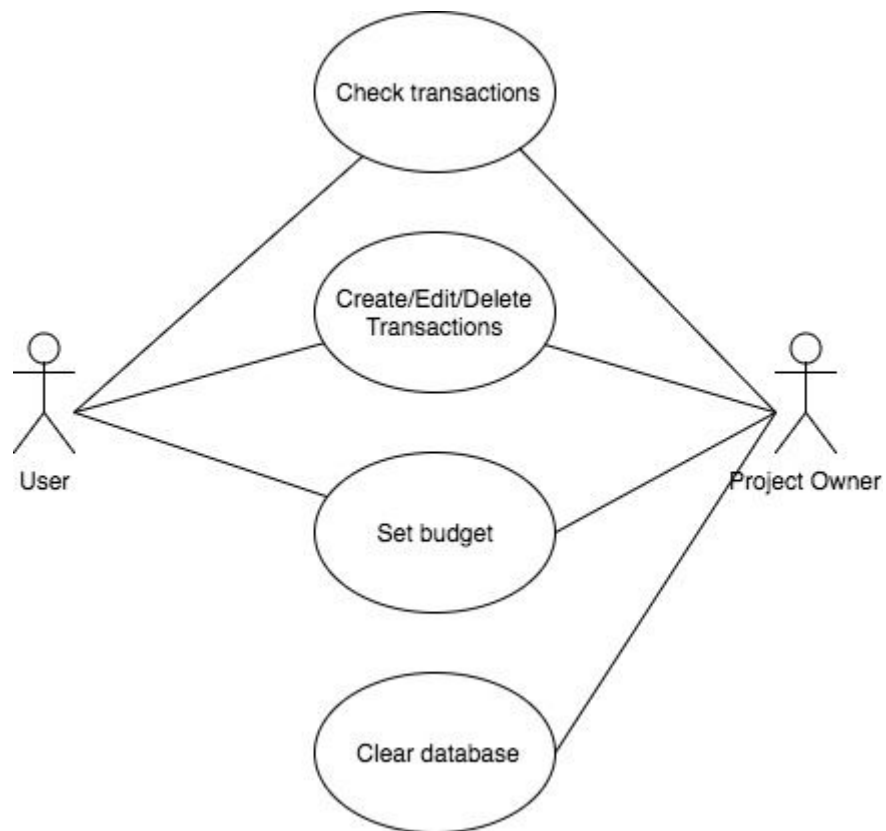
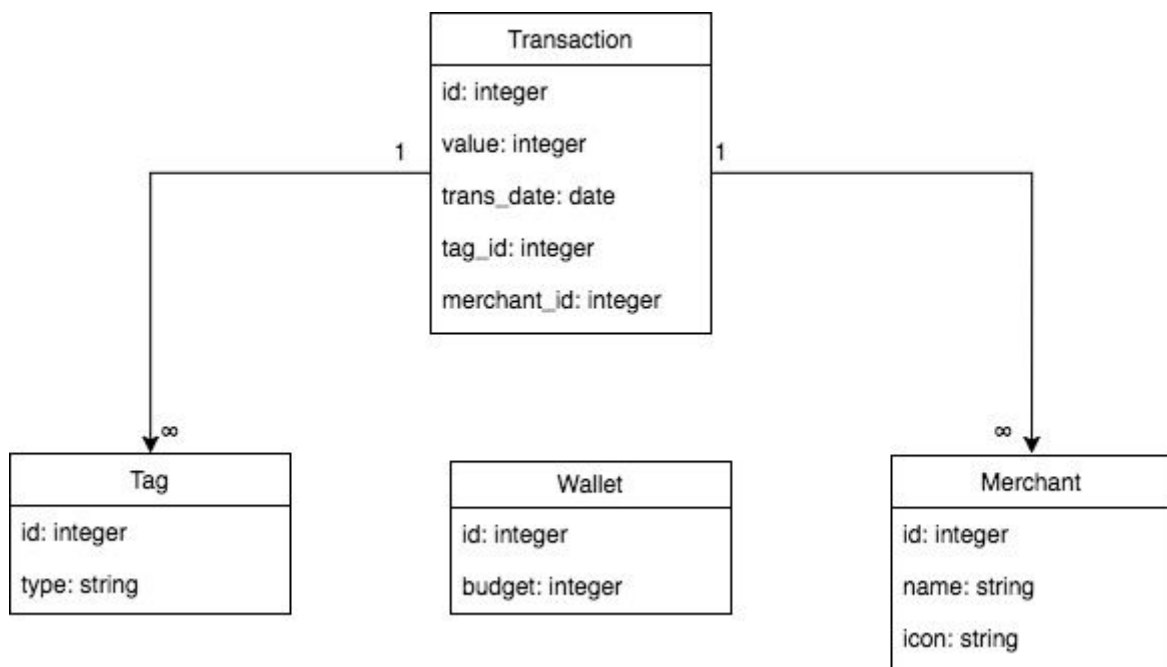


Gergo Nagy - Analysis and Design Unit (SQA PDA: Software Development)

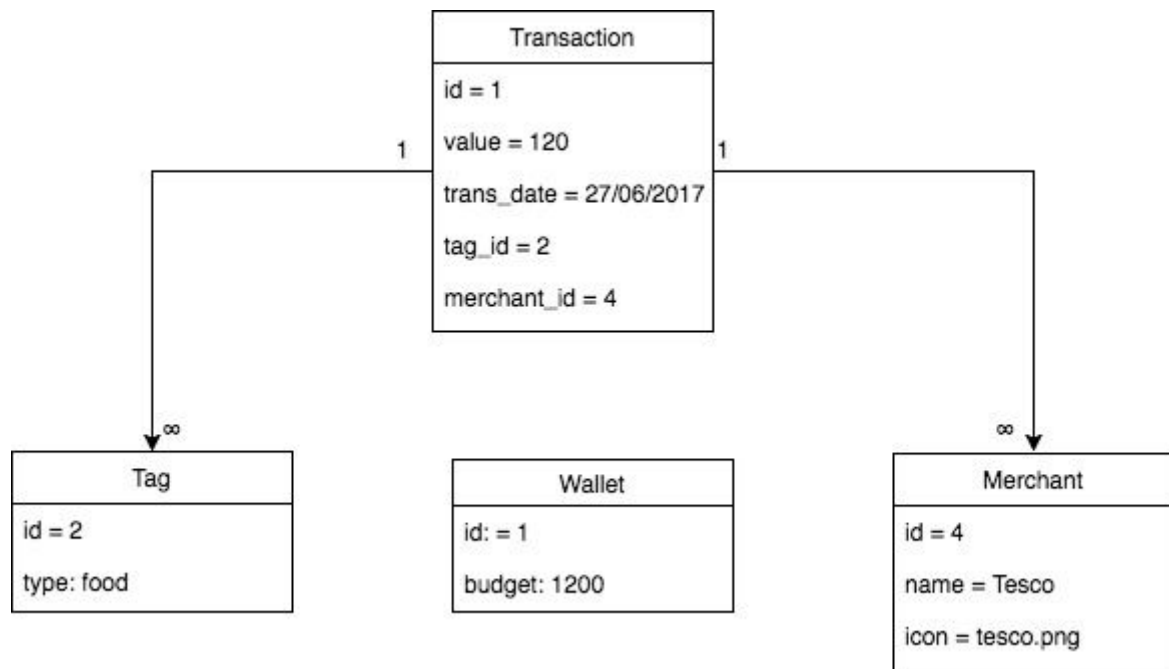
A.D 1 Use Case Diagram



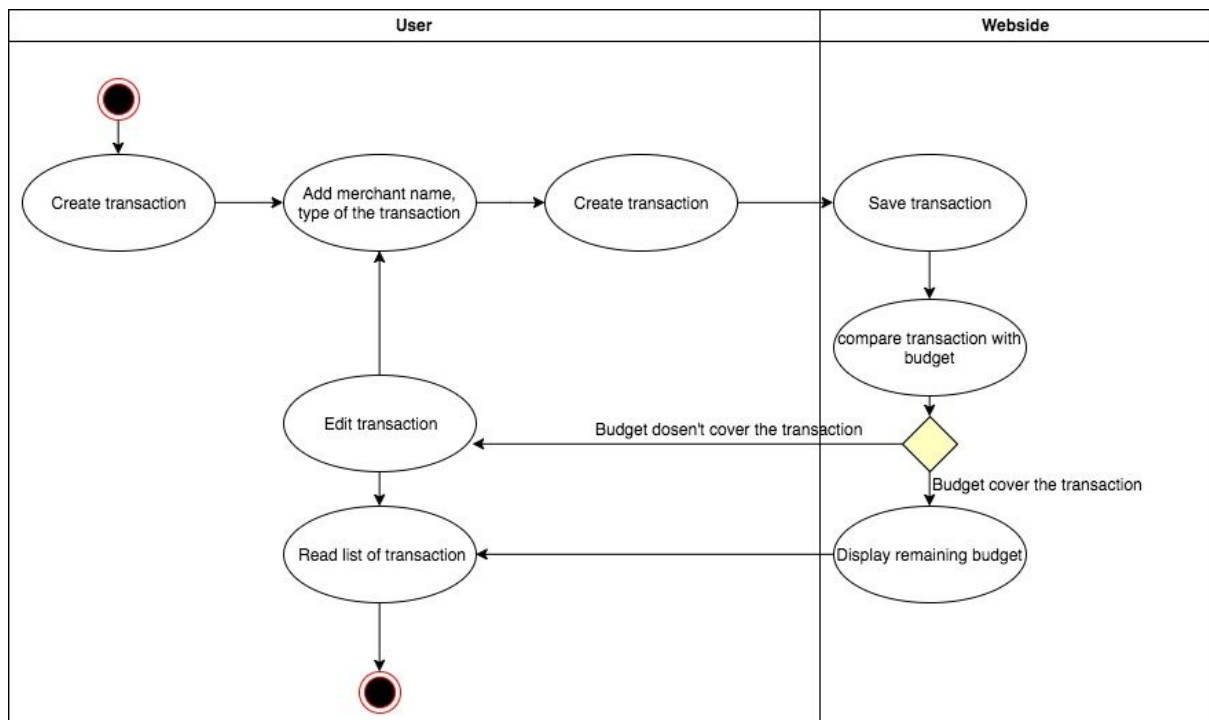
A.D 2 Class Diagram



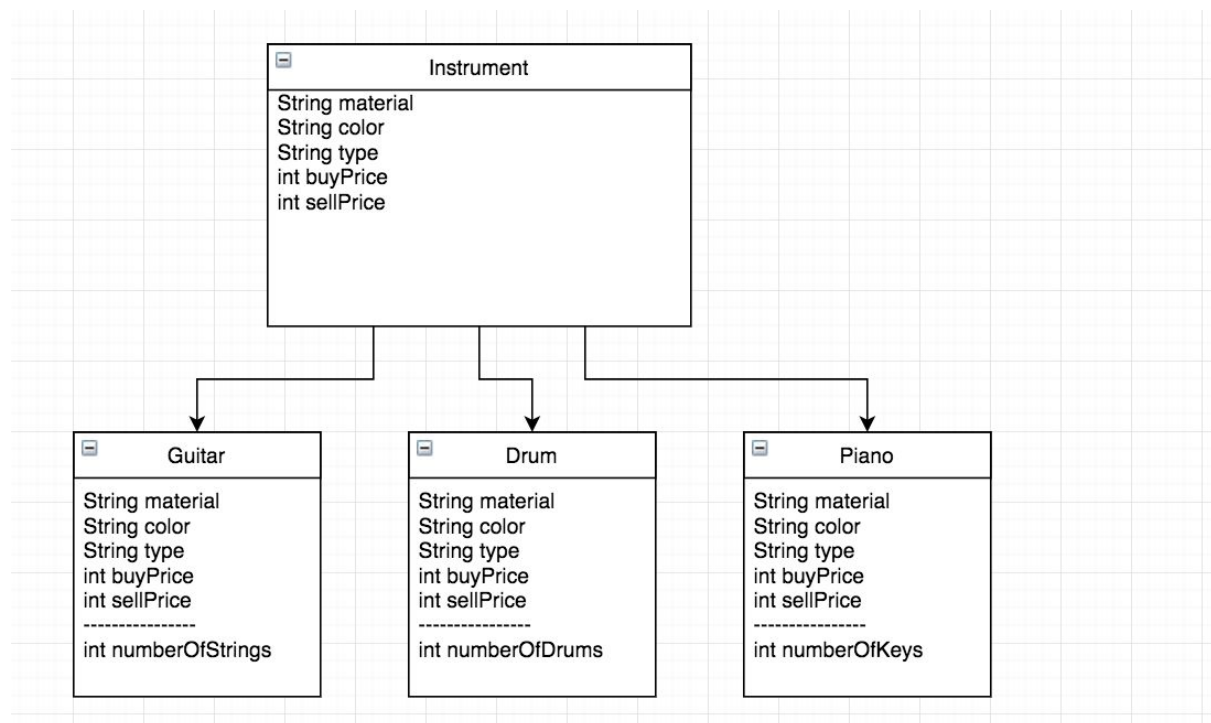
A.D 3 Object Diagram



A.D 4 Activity Diagram



A.D 5 Inheritance Diagram



A.D 6 Implementations Constraints Plan

Constraints	Possible Effect of Constraints on Product	Solution
Hardware and Software Platforms	When you are creating a website for large format display and you want to open the site on a mobile device the buttons, links or form fields are too small in size and the user cannot press them.	You can optimize the website for different screen sizes with CSS, so it becomes responsive to all devices.
Performance Requirements	A large database that is not structured well results in slow response time. The user has to wait much longer to receive data once they click on the site.	You can optimize the database by using index and keys. You can specify the request more precisely, and get the data back faster.
Persistent Storage and Transactions	Without internet connection you cannot reach data on your database and you cannot save the data either.	When you build your application you have to ensure it contains a notification for the user that Wi-Fi is required to run this application.

Usability	If the website was not designed / structured well the user can easily get lost in the content and not be able to find the information they were looking for.	Keep the website simple and well structured, so the user can easily find the data he/she is looking for. This can be achieved by following the most important guidelines like aiming for clarity, ensuring direct feedback when the user interacts with your website. Use relevant information only.
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