



Software design specification document

2022

Project Team

ID	Name	Email

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Instructions[To be removed]

- **IMPORTANT. Rename this document to**
Assignment1_SE_StudentID1_StudentID2_StudentID3_StudentID4_SDS Document.docx
- Remove the following notes and any red notes

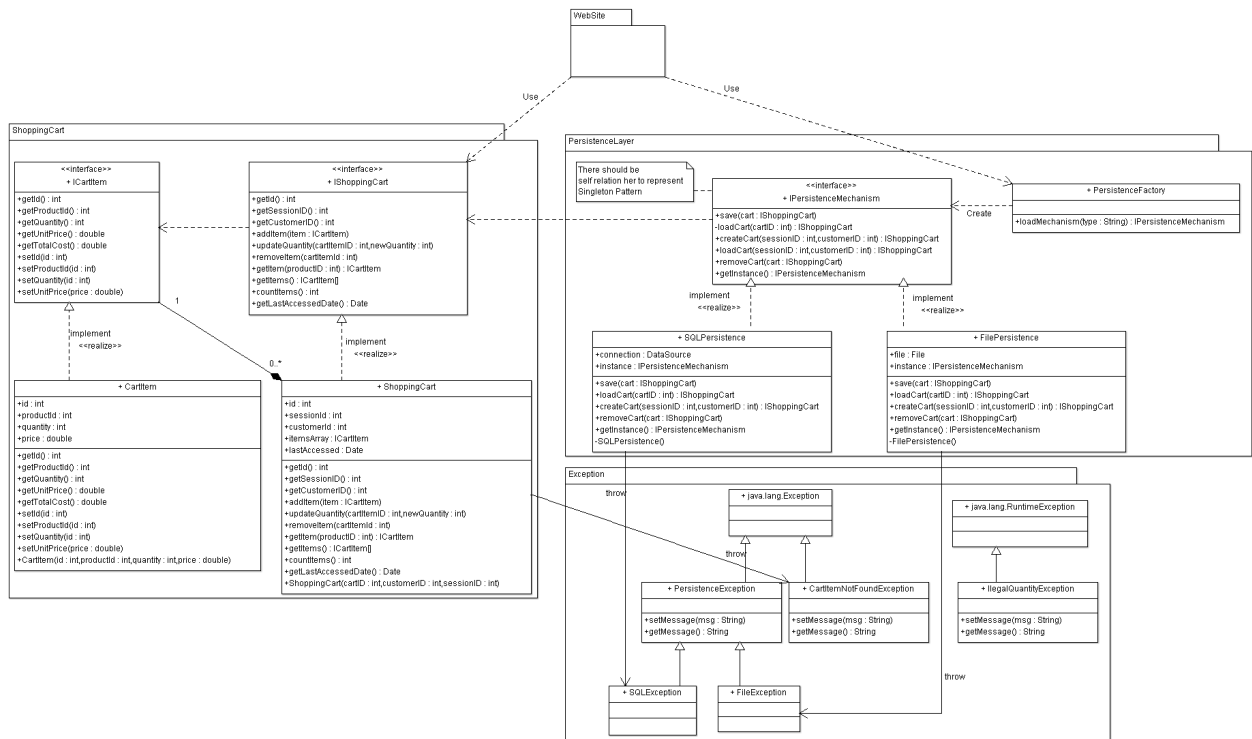
Class diagram design

- You should provide clean version for your class diagram design.
- Class diagram is a static diagram and should not represent any dynamic flow of events.
- Put Relationships between classes and the types of the relationships.
- Put multiplicity.
- Put relationship name (e.g. faculty "offer" course).
- Put attributes in the classes.
- Put functions & Put parameters.
- Put data types of each attributes and the parameters.
- Highly preferred: Each class has a corresponding interface
 - Let all objects parameters and returns be of interface type.
- See Shopping Cart Case Study



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Class diagram Explanation

- Explain here the design pattern(s) that you used and your justification for using them, and the participating classes for each pattern.

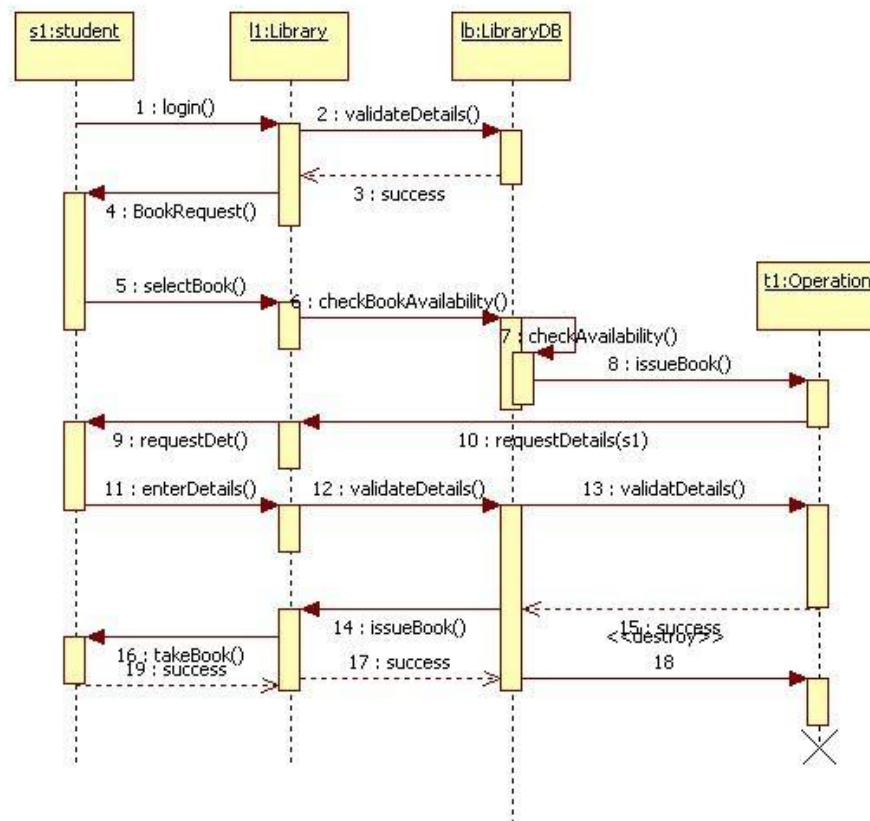
Sequence diagram design

- List Sequence diagrams for the most important user story (according to your opinion).
- Make sure that each object in the sequence diagram has a corresponding class in the class description table above. If not, it will be **REJECTED**.
- Put actual function calls with proper parameters and return types corresponding to class diagrams.
- Following are couple of examples for small / medium examples. We expect such diagrams, however there is a missing thing in them. Most of calls don't have parameters. Please always specify the parameters in the call, matching the class diagram.



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Requirements Exposure as Web Service API

Part 1: Exposed Postman Collection

Part 2:

Explain here the exact mapping between every single requirement and its corresponding web service API operation. A sample example is provided to better explain the concept.

Requirement	Exposed API
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The system should check if the username or the email is registered before.		1- GET /user/check A service to check if the user exists or not. This service returns all user info if exists Input: email and password.

Github repository link

- URL for your repository, should contains implemented services,