CS352 Software Engineering II

Sprint 6 – Project code review

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**Design and Code Checklist**

**Design Principles**

1. Does the design follow SOLID principles? No What 40% Related Issues: No.1
2. Does the design follow OOP rules? No What 10% Related Issues: No.1
3. Is the design simple and easy to modify? Yes What 100% Related Issues: None

**Coding Standards**

1. Is the code understandable and readable? Yes What 90% Related Issues: None
2. Does the code follow Java Coding Style? Yes What 90% Related Issues: None
3. Is indentation used properly? Yes What 80% Related Issues: None
4. Do variable have good names? Yes What 95% Very Descriptive

**Comments**

1. Is the code commented enough? No What 100% Related Issues: No.2
2. Is every class and method commented? No What 100% Related Issues: No.2
3. Do comments follow Javadoc style? No What 100% Related Issues: No.2
4. Is Javadoc generated for all the code? No What 100% Related Issues: No.2
5. Are there useless / wrong comments? Yes What 100% Related Issues: No.2

**Code Structure**

1. Does the code follow the design precisely? No What 20% Related Issues: No.1
2. Are there very long classes or methods? No What 100% Related Issues: None
3. Is there repeated code ? No What 95% Related Issues: None

**Error Handling**

1. Does the code handle errors and exceptions? Yes What 50% Related Issues: 3
2. Is defensive programming used to avoid errors? Yes What 50% Related Issues: 3

**Logic**

1. Do loops have correct conditions and bounds? Yes What 100% Related Issues: …….
2. Do loops always terminate? Yes

**Overall**

1. **Are the design and code of good quality?** Yes What 50%

Issues:

1. No Solid Pattern apart from MVP used:

All of the project are HTMLs and JSPs that don’t follow a solid Design Pattern apart from Splitting the View from the Controller & The Model. Also there are no solid Objects used I suppose to creating objects instead of just pages

1. Comments:

No Comments used or very little and unnecessary.

1. Unhandled Errors and Inappropriate Website page design:

A lot of the exceptions are not handled, especially ones related to user input. Also it has to do with the fact that not the best options are used for input; ex. Requesting a product ID to explore it instead of clicking on its picture…