**SDA Lab Mid**

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**Submitted To:** SirMukhtiar Zamin

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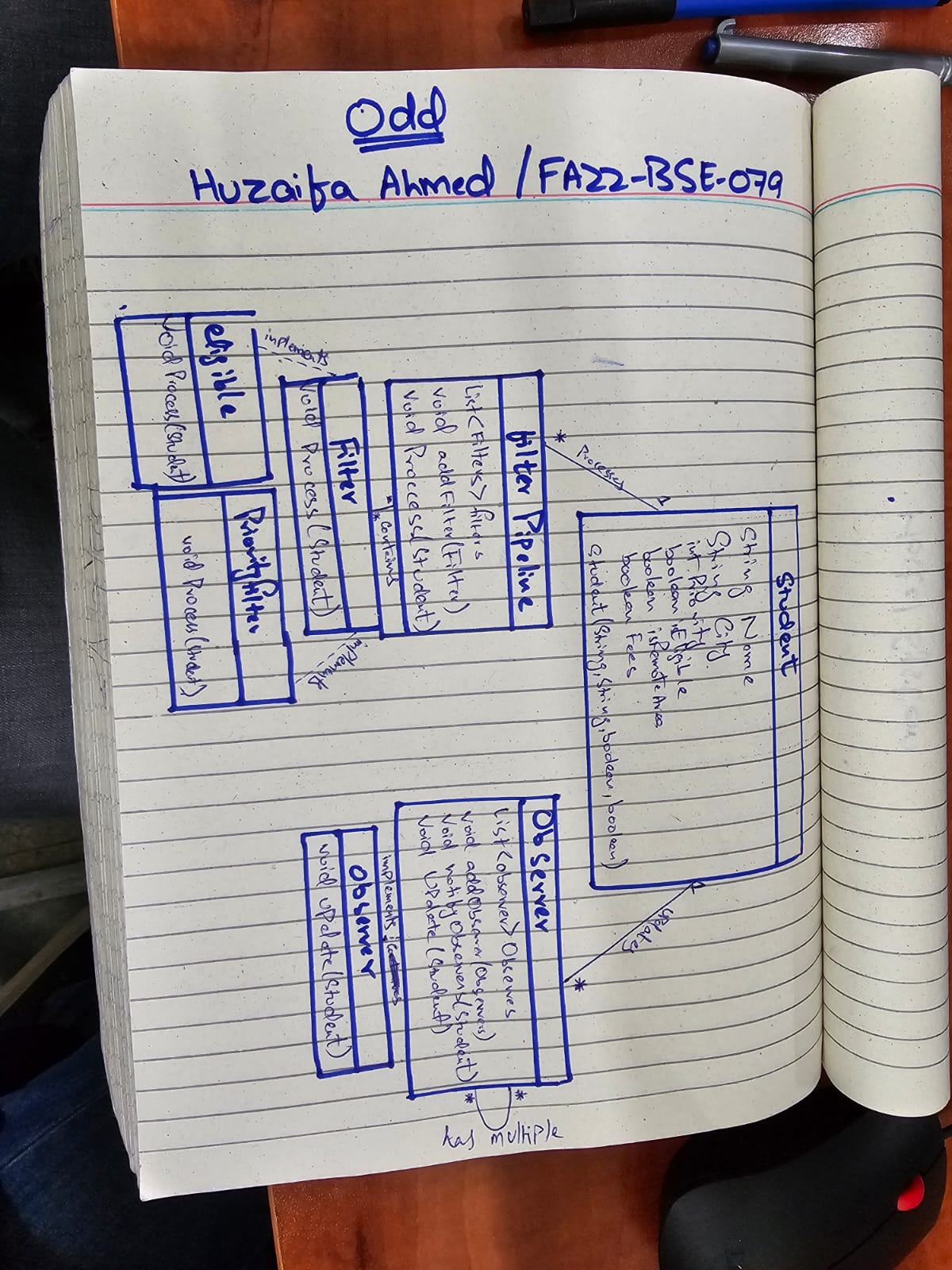
**Book Wala**

**Report:**

**Overview:**  
The goal of this project is to design a Hostel Management System using the Observer Pattern and Pipeline Filters in Java. The system processes students' eligibility for hostel accommodation based on their city of origin (remote or not), priority, and payment status, while also implementing the Observer Pattern to notify relevant stakeholders about the student’s processing.

**Advantages:**

* Separation of Concerns
* Scalabilityde
* coupling componenets

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