SSE4350 SOFTWARE ARCHITECTURE G1

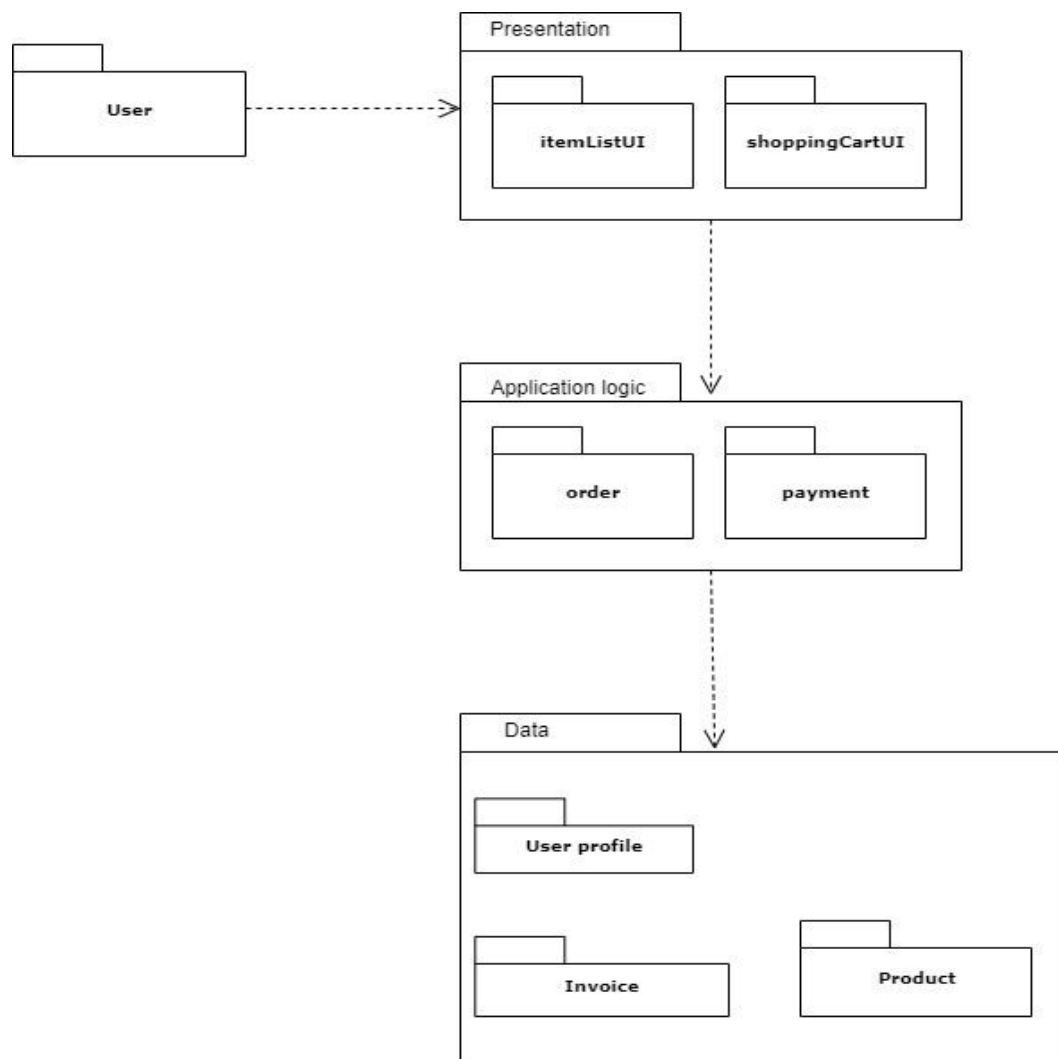**UML Assignment**

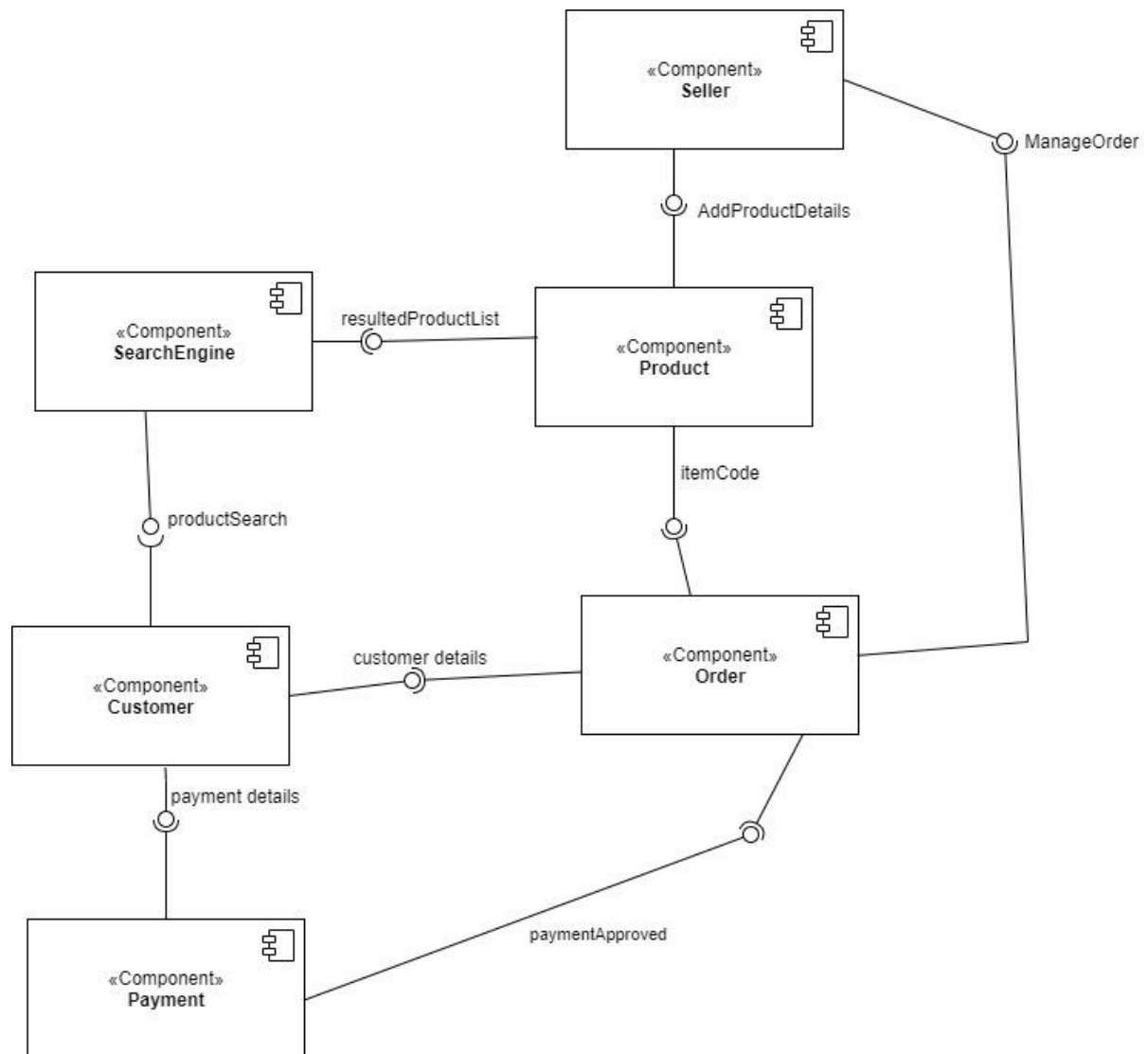**Name: CHOONG WEN JIAN ISAAC**

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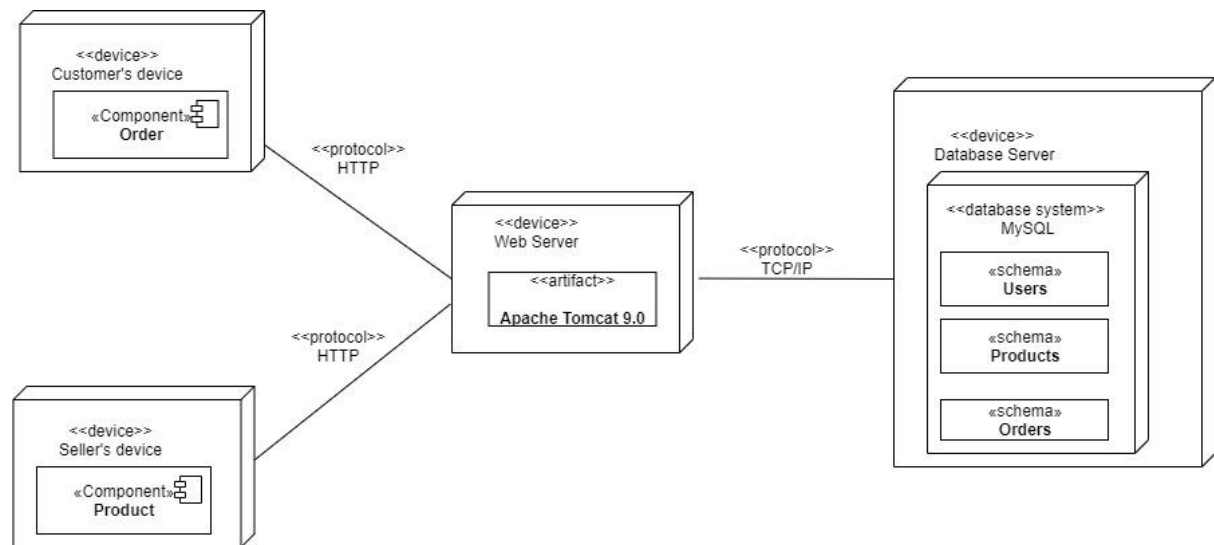
Selected System : Online shopping system

1. Package diagram

2. Component Diagram

3. Deployment Diagram

In a online shopping system, these 3 quality attributes is important:

Security : All payments must be secured and confident to be used as a buyer.**Usability:** Easy to use, not fancy but I can find the product easily and purchase it.

Availability: No too much server down experiences, available 24 hours for user to make purchase.

Therefore,

Architecture styles applies: **3-tier architecture.**

which is the **presentation layer**, **business logic layer, data layer**

Each tier is separated, therefore if one of them experienced failure, the others would remain available. This architecture also provides enhanced security as 3 tiers which is presentation tier, logic tier and data tier could not communicate directly. User interface is separated so that it is easy to develop a high usable interface for the users