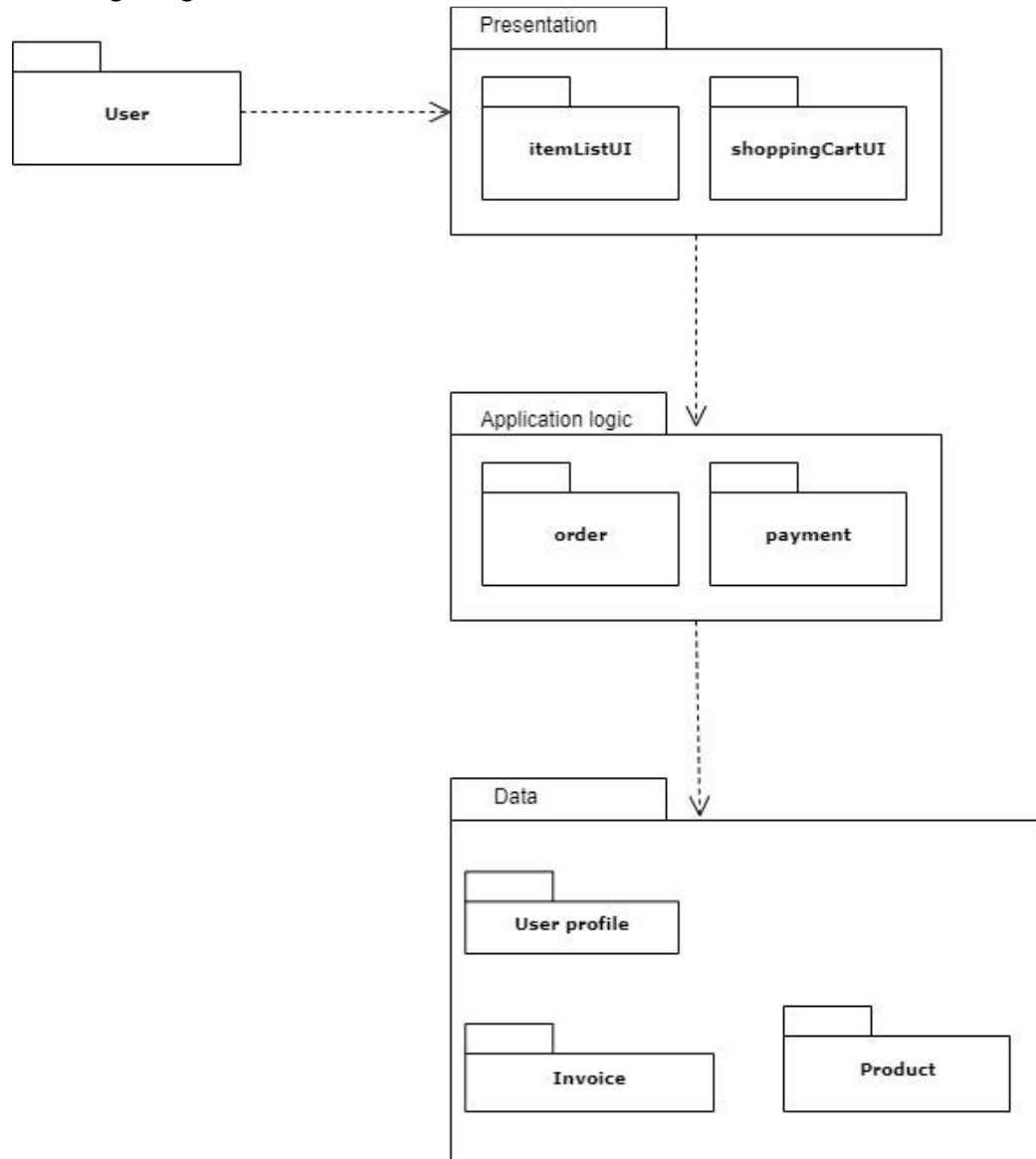


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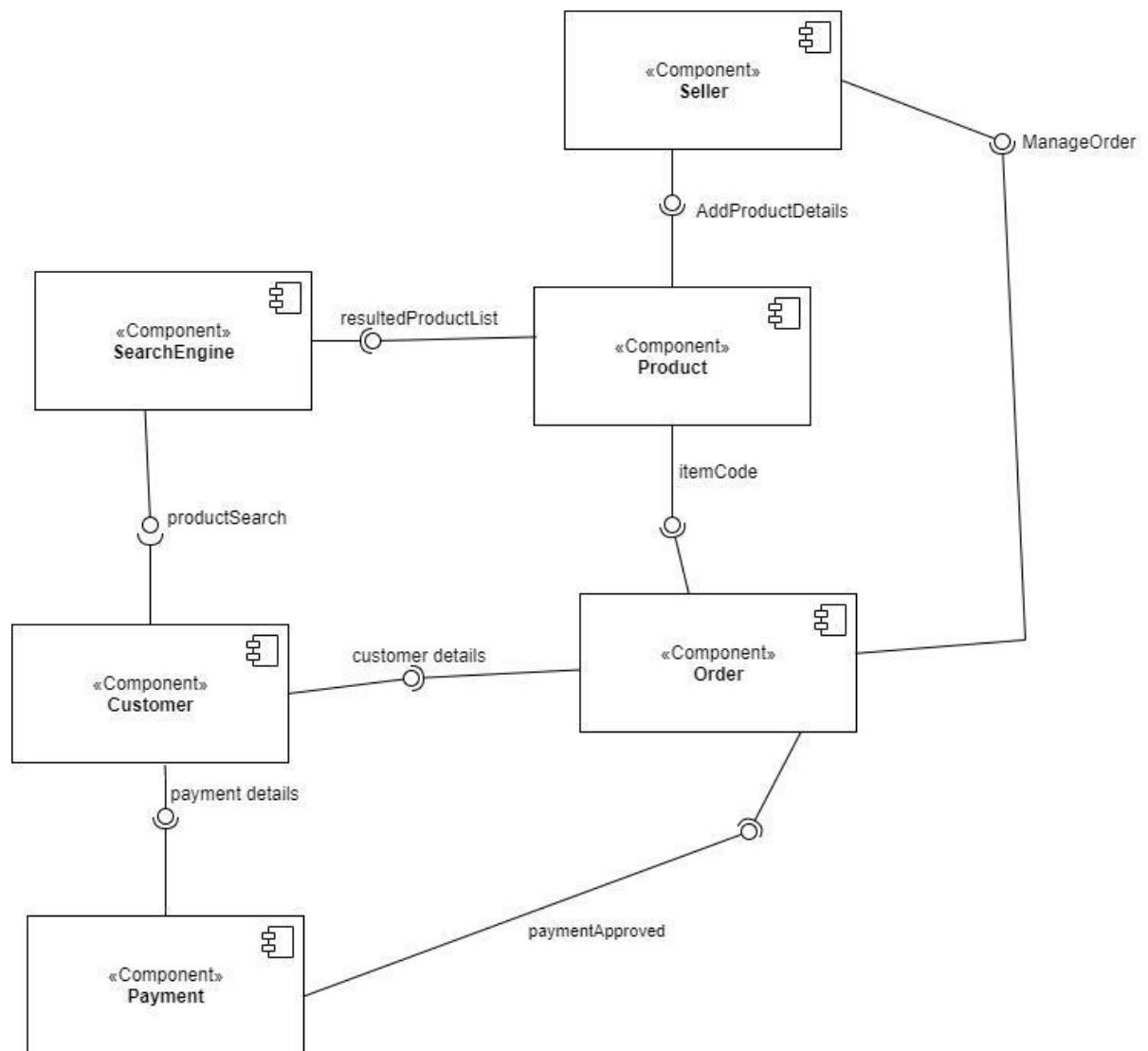
Matric Number: 208335

Selected System : Online shopping system

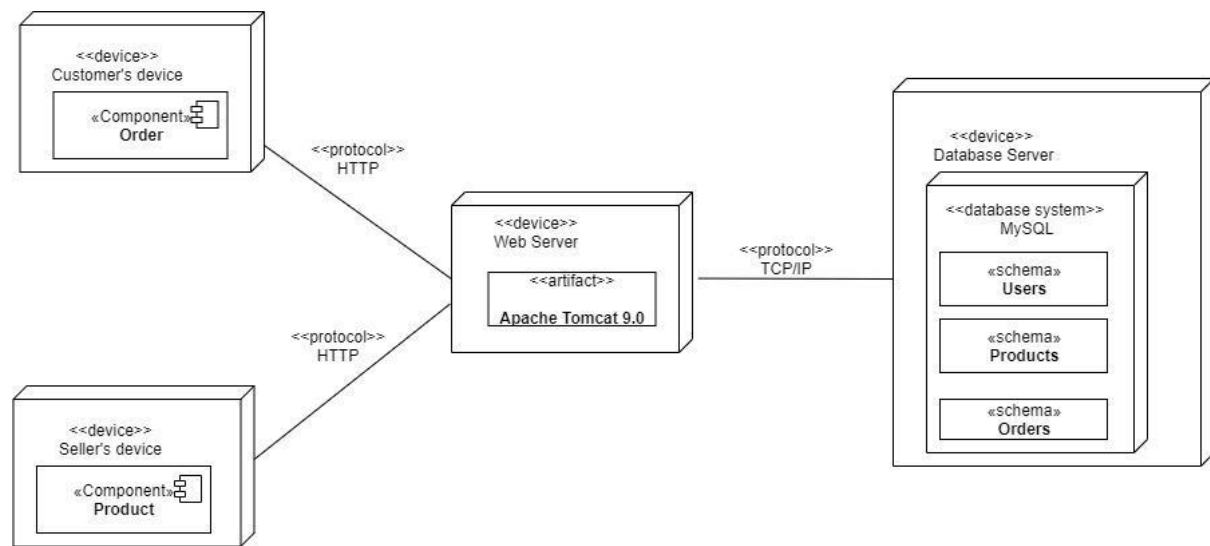
1. Package diagram



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