

Object Oriented Analysis and Design

Class Diagram Notations

Simple class diagram with attributes and operations



Relationships in Class Diagrams



- Association
- Directed Association
- Multiplicity
- Aggregation
- Composition
- Inheritance/Generalization
- Realization

Association



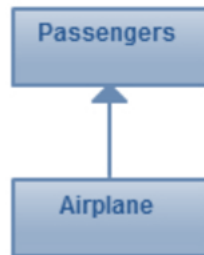
SASTRA
ENGINEERING · MANAGEMENT · LAW · SCIENCES · HUMANITIES · EDUCATION
DEEMED TO BE UNIVERSITY
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THINK MERIT | THINK TRANSPARENCY | THINK SASTRA



Association



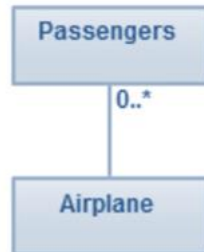
Directed Association



Multiplicity



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Aggregation



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Composition



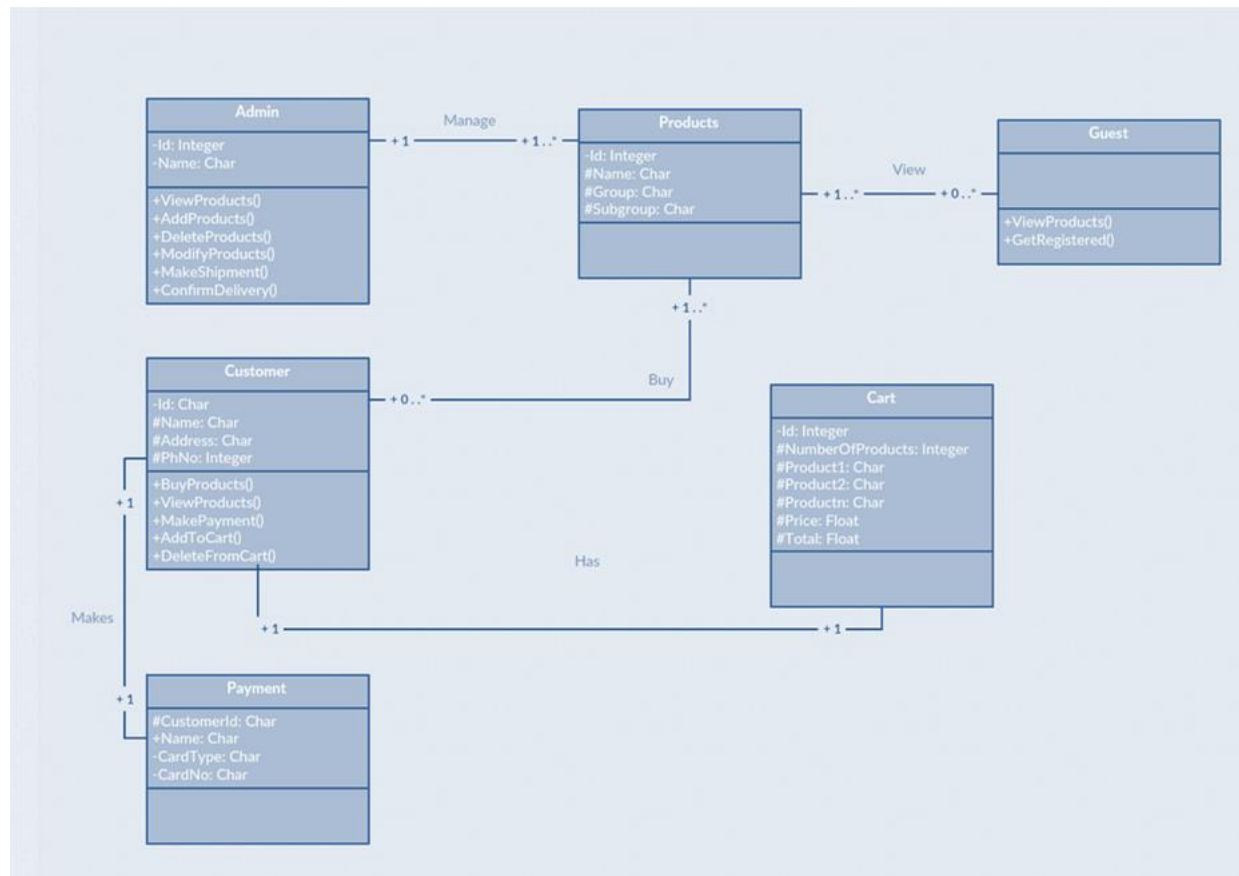
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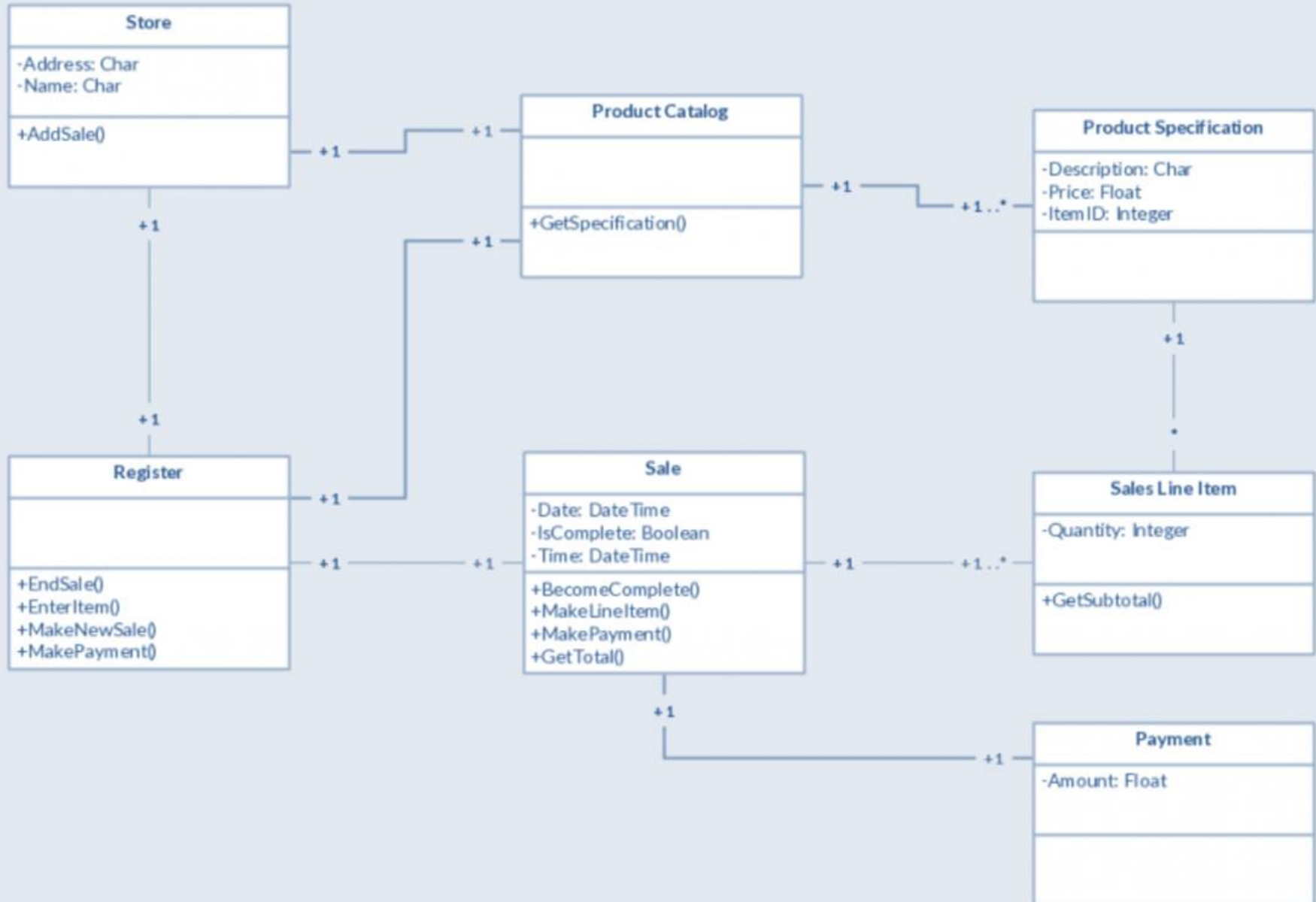


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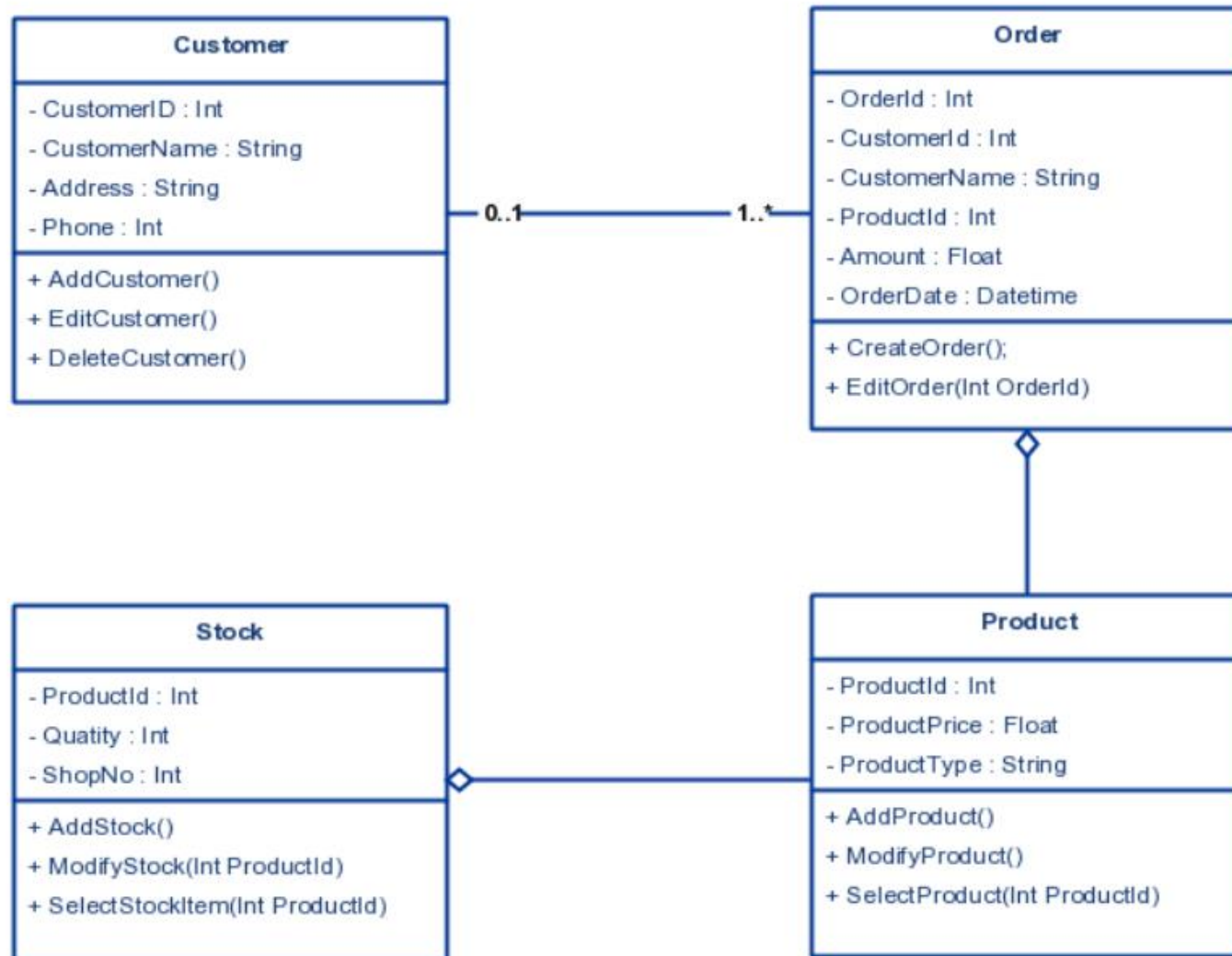
Inheritance / Generalization







Class Diagram for Order Processing System



References:

- Michael R Blaha, James Rumbaugh, Object_oriented Modeling and Design with UML, Second Edition, Pearson Education, 2013
- Ali Bahrami. Object Oriented System Development, McGraw-Hill Higher Education, 2015