

Inventory Management System

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The Task

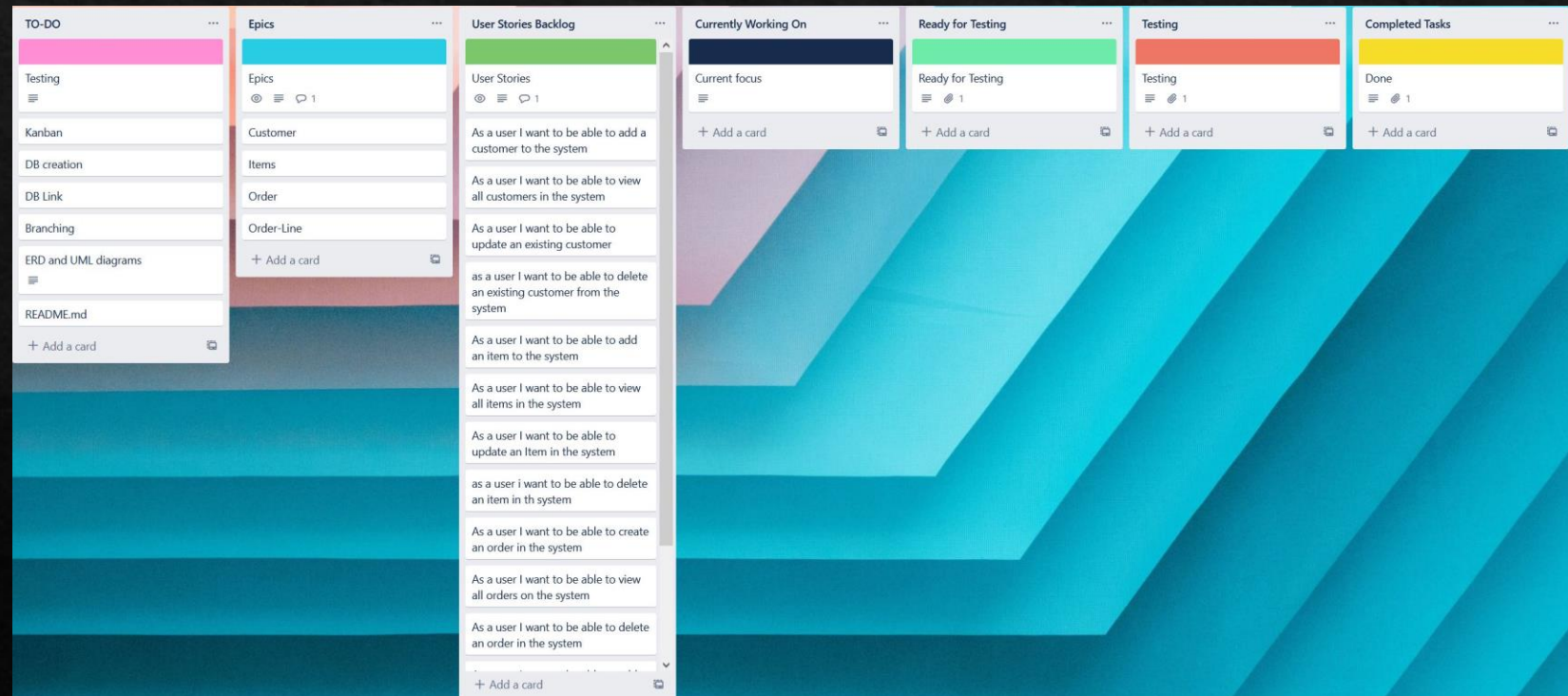
Create an Inventory Management System based on starter code given, with basic functionality to allow a business to manage their Customers, Items, and any Orders.

MVP

- ◆ Full CRUD functionality for Orders, Items, and Customers
- ◆ JDBC Connection with tables to store all information
- ◆ Usable from Command Line

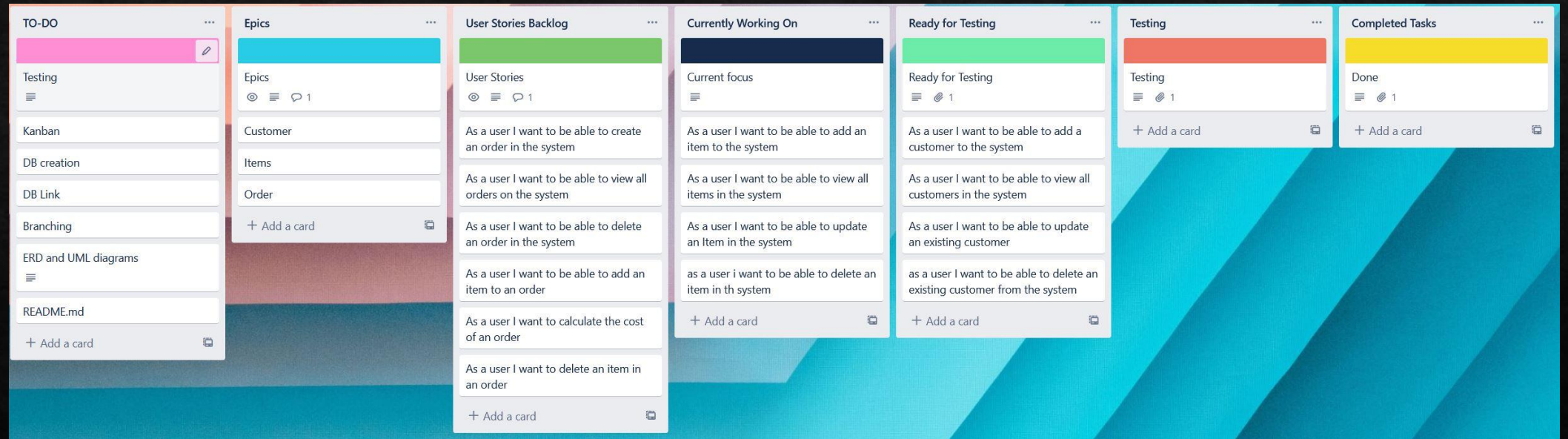
Project Management

◇ Kanban Board – Trello



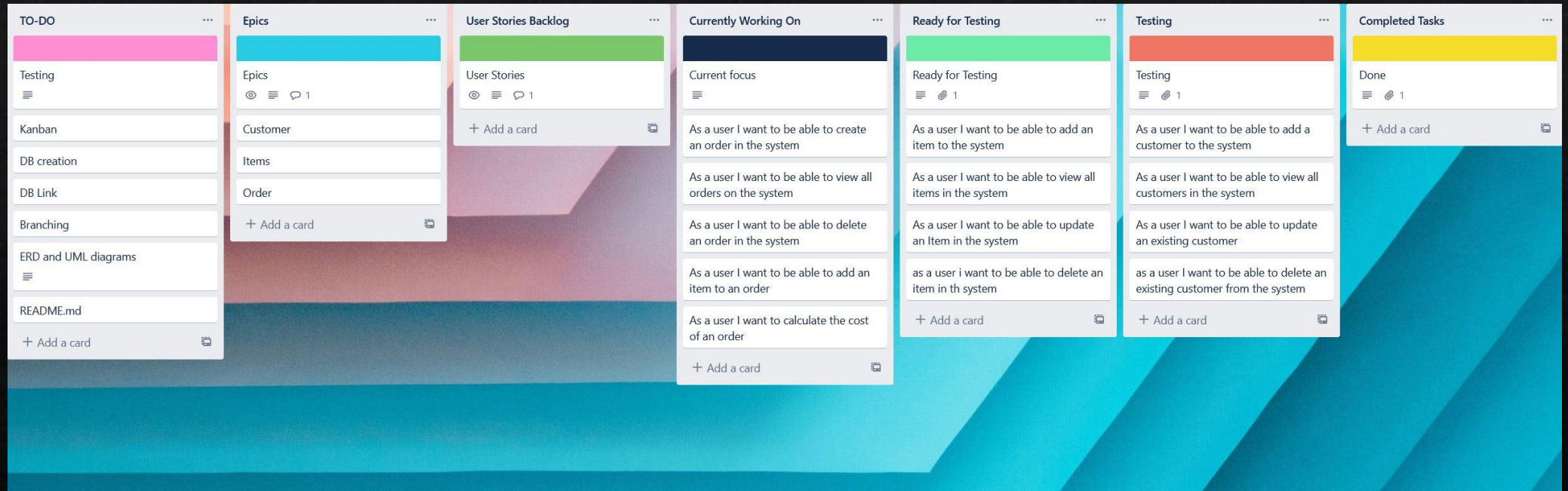
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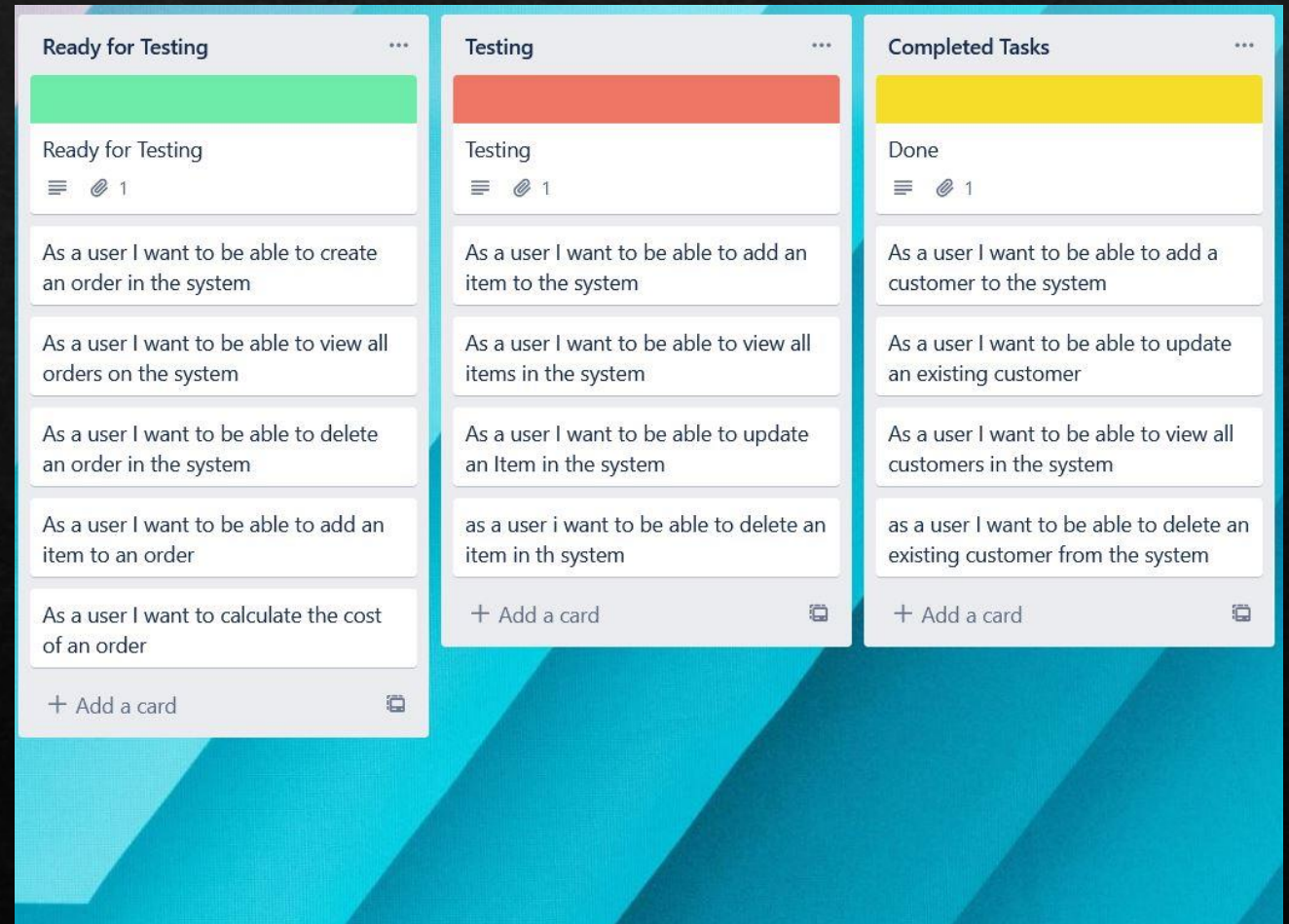
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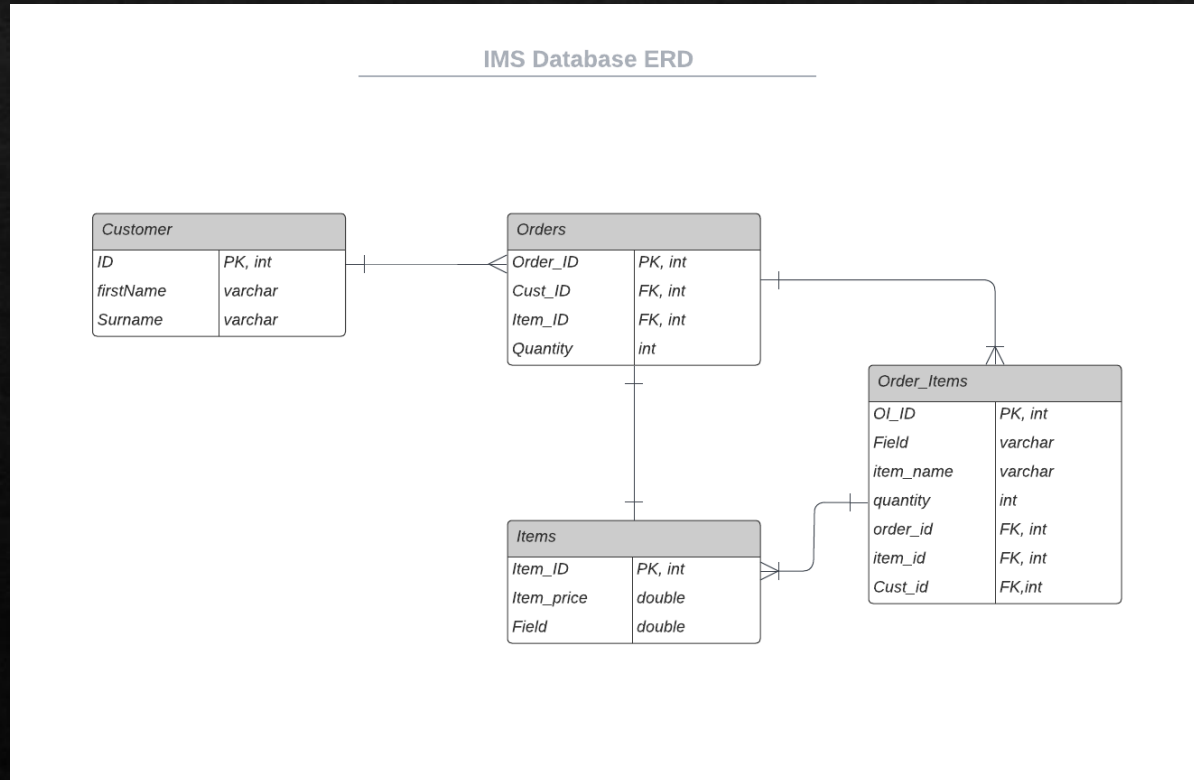
Project Management

◆ Kanban Board – Trello



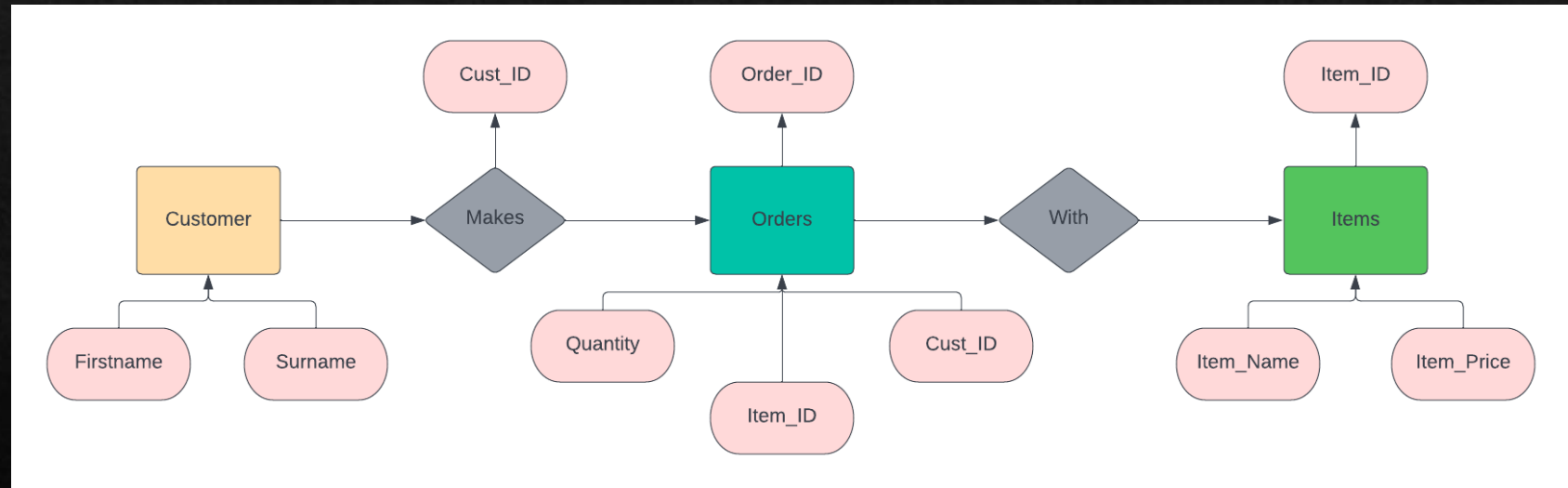
Project Management

◆ Entity Relationship Diagrams – LucidChart



Project Management

◆ Entity Relationship Diagrams – LucidChart



Project Management




- ◊ MoSCoW prioritisation
- ◊ Version Control – Git
- ◊ Feature Branch Model

Product Demo

- ◆ How a user would interact with the product
- ◆ CRUD functionality
- ◆ Code overview

Testing

- ◆ JUnit
- ◆ Mockito
- ◆ 63% Overall Testing coverage

Element	Coverage	Covered Instructions	Missed Instructions	Total Instructions
▼ IMS-Starter	 63.4 %	2,026	1,170	3,196
> src/main/java	 53.3 %	1,246	1,090	2,336
> src/test/java	 90.7 %	780	80	860

Issues

- ◆ Feature Branch Model
- ◆ Testing
- ◆ Maven Builds

Future Development

- ◆ More functionality (Stock Control, Invoicing)
- ◆ Graphical User Interface
- ◆ Implementations with other applications (Shipping Controller)

Thanks for Watching

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