**MoSCoW Prioritisation**

WON’T HAVE

* Extra functionality outside of the specification.
* Unnecessary imports / dependencies / database tables.
* A Graphical User Interface.
* Any incomplete documentation.

SHOULD HAVE

* The Git repository utilising the feature-branch model: main/dev/multiple features.
* At least 5-7 risks within the risk assessment.
* Relationships between tables modelled using an ERD.
* Before-and-after ERD’s and UML.
* Unit test coverage of CRUD functionality of the src/main/java folder, aiming for 80%.
* An adherence to best practice (OOP principles, SOLID, refactoring)
* A working “.ignore” for ignoring build-generated files and folders
* The means to calculate the total cost of an order

MUST HAVE

* Code fully integrated into a Version Control System (Git).
* A build of the application present in the root folder.
* A working application that is interactive with a front-end command-line interface (CLI).
* A fat .jar which can be deployed from the command-line.
* A completed project management board; user stories, acceptance criteria + story points estimation.
* A risk assessment outlining risks during the project timeframe (pdf).
* A ‘back-end’, following best practices and design.
* An application build, including possible dependencies, produced with integrated build tool (Maven).
* Unit tests for validation of the application. (Junit & Mockito)
* The project connecting via JDBC to a local-based MySQL instance
* A CRUD functionality following the Enterprise Architecture Model; customers, items, and orders entities.
* add/delete an item to and from an order.
* A relational database used to persist data for the project
* A primary key in each of the entities (tables)
* A sensible package structure.
* A completed README.md, explaining how to use and test the application.
* At least one ERD and one UML diagram (png)
* A copy of the presentation (pdf)

COULD HAVE

* The project connecting via JDBC to a GCP-based MySQL instance.
* Test coverage of CRUD Functionality above 80%.
* A ‘Date placed’ field in the Orders table with timestamps.
* A description and a stock count in the Items table.
* An evolution of ERD/UML Diagrams over time.
* A User-system; with a username and password.