

MoSCow Week5 Project

Must Have

- A strong complete README.md explaining how the product works
- Version control and Source Code Management
- A back end program
- A scrum board to organise tasks
- A relational database to store data
- Build tool and Unit test suites with upto 80% coverage
- Programming using SOLID and OOP principles for clear, reusable objects.
- Use of feature-branch model to ensure version control and clear feature update for modification and testing
- ERDs and UMLs to explain the association between tables
- A risk assessment matrix to assess risk within and around project
- Ability to Create, read, update, and delete values/information for customers, order and items
- Program must be able to add, delete items to and order
- Ability to calculate total order cost
- A build of the application with only required dependencies, produced using an integrated build tool

Should Have

- Better output /print formats for clear result prints
- Multiple extra columns utilising relevant data such as customer contacts details, product descriptions
- A functional Create a functional application front-end which connects to the back-end API
- Best practices followed and demonstrated, refactoring adhered to and implemented throughout project
- Use git ignore files, and scripted hooks
- Better flows using if statements or switch cases
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Could Have

- API integrations with other software
- Use of **SonarQube** to run code to show and use relevant refactoring of code according to the analysis smells, bugs, and vulnerabilities
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Won't Have

- 100% test Coverage
- Multiple extra Tables (not including the ones currently used) such as customer login details
- Cloud integration