Background	Explore the range of technologies, methodologies and supporting tools that encapsulate all fundamental modules covered during training.				
Objectives	Create a fully functioning inventory management system.				
Scope	 Code fully integrated into a Version Control System using the feature-branch model: master/dev/multiple features. A project management board with full expansion on user stories, acceptance criteria and tasks needed to complete the project. A risk assessment which outlines the issues and risks faced during the project timeframe. A relational database used to persist data for the project, containing the customers, products, orders, and orders_items tables. Relationships should be modelled using an ERD. A functional application 'back-end', following best practices and design principles. A build of the application, including any dependencies it might need, produced using an integrated build tool. Unit tests for validation of the application, aiming for 80% coverage. 				
Constraints	 Version Control System: Git Source Code Management: GitHub Kanban Board: Jira Database Management System: MySQL Server 5.7 (local or GCP instance) Back-End Programming Language: Java Build Tool: Maven Unit Testing: JUnit 				
Assumptions	The customer address is not required to be stored across the system.				
Risks	 Shortage of time. Self-management issues. Maintenance of cloud services. Required line coverage is not met. 				
Deliverables	 Codebase Unit tests (80% coverage) Project management board Git repository Working application Documentation Presentation (15 mins) 				