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**Lab: Software Development Process and Project Metrics**

Our startup team consist of three people, Alan, Dan and Yanjun. The product of our startup is a mobile application that will help user locate the cheapest restaurants around them given the type of food input. We are funded with 2 millions USD on the 2nd round of funding for this project.

**Role**:

Alan Chan - Product manager and Developer

* Design and build the necessary continuous integration infrastructure to develop our core product
* Make product backlog, evaluate the scope and importance of user story
* Estimate velocity of team, evaluate risk and develop mitigation plans
* Manage process, remove blocks
* Ensure the product process is on track
* Work with scrum master to re-adjust priorities of the backlog
* Setup the process metrics to evaluate the team’s progress
* Continue to improve the metrics/process by re-evaluating the feedback from previous metrics
* Core product developer

Dan Lu – Scrum Master and Developer

* Design the overall architectural design of our software implementation
* Make product backlog, evaluate the scope and importance of user story
* Estimate story priorities, choose story can be accomplished of each sprint
* Set sprint goal and create sprint backlog
* Work with product manager to ensure the priority to set correctly to meet the the bi-weekly goal
* Core product developer

Yanjun Zang - Developer and QA

* Design test plan to ensure our product will be deliver in the best quality
* Make product backlog, evaluate the scope and importance of user story
* Estimate story priorities, choose story can be accomplished of each sprint
* Set sprint goal and create sprint backlog
* Core product developer