



ECSE 456 - Design Project Project Proposal

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Project Title

Turbodega

Group Members

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Each member of the group is registered in ECSE 456.

Project Supervisor

Professor Daniel Varro: daniel.varro@mcgill.ca

Intellectual Property

The project will be open source.

Non-Disclosure Agreement

None required.

Meetings

Weekly meetings with the project advisor is scheduled for Wednesday evenings in McConnell 535 (location to be updated). Group members are also interacting via Slack.

Project Requirements

An android device is required for testing purposes and it will be provided by a group member. A room with seatings and a board is required for meetings. This is temporarily set in McConnell. On the software side, Android Studio, Gradle, Travis-CI, Cucumber and Github will be required for the development of the application. We will also be using our own computers.

Project Abstract

The overall goal of this project is to improve small-grocery stores competitiveness in emerging countries through digitalization by bringing together microfinance institutions, product manufacturers and distributor partners in a single platform. This is important because it will allow small grocery retailers to improve their operations efficiency by accessing more competitive product prices driven by order grouping, optimizing delivery and logistics and having better credit terms for product orders through risk pooling.

The first pilot of Turbodega is expected to be launched in Mexico or Peru by the end of this year. The challenge is to develop a minimum viable product designed around the user experience from the owner of a small-grocery store's point of view. To keep the workload within the scope of a design project, we will put most of our efforts on making sure the app allows business operators to register their daily sales intuitively, manage their inventory efficiently and finally, get autogenerated reports on the performance of their business.

Google Form Signup

The google form signup for our group has been submitted.