

17-356/17-766: Software Engineering for Startups

Homework 4: MVP (Sprint 2)

100 points

Due: February 26th, Midnight (two weeks)

This homework is to be done with your group, but there's one individual component below

In this homework, you will conduct your second two-week sprint with your team to complete a presentable Minimum Viable Product (MVP) for the Dronut Application. In completing this assignment, you will develop the skills needed to:

- Use appropriate technology to build your MVP.
- Select and measure appropriate indicators that will help you evaluate viability.
- Present your software to stakeholders.

MVP Deployment

Your group should spend the majority of this sprint finishing your MVP and deploying it to Azure Cloud.

Team Deliverables

(1) A short (approximately 1 page) writeup. Document (1) any changes you made from your initial plan (backlog) regarding the *Minimal* feature set you've implemented, with a brief justification. If you made no changes, simply say so in one sentence, and (2) the ways your MVP allows you to assess or measure *Viability* (e.g., via collecting of metrics).

(2) Video MVP Walkthrough

Your group should submit a video walkthrough of your prototype:

- Each group member should present a single user story (ie selecting donuts from the menu, completing a transaction, fulfilling an order, marking it for delivery, etc).
- Your walkthrough should focus on explaining how the software is to be used from a user-perspective. Take for example, this [this video walkthrough of how to use Gmail](#), or the [Dropbox one](#) we discussed in class.
- There are a lot of tools which you can use to prepare your demo video. Choose the one you're most comfortable with. We recommend [Loom](#), a Chrome extension which allows you to easily record a screen grab along with narration.

Submit **both** your writeup and walkthrough (as a **single** group video) to Canvas.

Individual Deliverables

Every team member should still be making pull requests (PRs) when adding/pushing new code. For this assignment, as you're still progressing toward your MVP, **every individual team member** should have a

- Pull Request merged with at least one +1 from a reviewer
- Add at least one constructive comment on another team member's Pull Request