

## CS 3250 Team Projects: Sprint 1

### Overview

You and your team have recently joined a small company that, until now, has been organizing all of their operations manually (e.g. using Excel, taking orders by phone/email, etc.). Your team's task is to help the company adopt more automated processes for all of its operations. The vision is for you to eventually implement a system that allows for real-time updating of inventory, for customers to be able to order your products online, for automated processing of customer orders, and for financial reporting on revenue/demand, etc.

Naturally, not all of this will be done at one time. You will work with your team for over the next twelve weeks, working in short "sprints" (more about sprints on Wed.). The sprints will involve working towards a [milestone](#) in each sprint. The milestone will include one or more [issues](#) that are needed. You'll use GitHub to track, and prioritize these issues, and to meet milestones (note: issues are can also be thought of as tasks or tickets). Each time there is a new feature, or new functionality, added to your project you will issue a [pull-request](#) in order to have other members of your team to review your code before it is merged into your main/base branch.

During the sprints you will rotate roles. Ideally each person will be the product manager (PM) at least one time. The remaining members of the team will function as engineers/developers and will handle the sub-issues/tasks that are identified. When it comes to implementing code, it is a good idea to employ a good deal of [Pair Programming](#) (ideal when one person is more experienced with the language/task at hand).

At the end of each Sprint you will present a demo of your working code to the class, and briefly summarize how well the prior two-week period went, what could be improved, etc. These are known as the Demo Days (more below).

### **Sprint 1 – start on Tue, Feb 2<sup>nd</sup> – Team Presentations on Tue, Feb 16<sup>th</sup>**

From here on there will be part of class time dedicated to team meetings/working sessions. Additionally, you should be meeting as a team and working on the project at other times during the week.

For this first sprint you want to focus on the process (using GitHub, meeting and discussing items as team, documentation, testing, etc.). To ensure this, there is only one user-story for the first sprint.

#### User-Story 1

Company employees should have a reliable, self-owned database management system to keep track of their product inventory. Authorized employees should be able to load their current excel/csv file into the database system (once), and then be able create, read, update, and delete entries as needed (i.e. CRUD operations). Note that it does not need to be a proper database (e.g. MySQL).

## **Demo Days**

Each team will have 10-15 to present. Practice ahead of time and make sure of the following:

- Your computer works in Teams (e.g. screensharing, etc.)
- You have a script for the demo and know that it works
- You know exactly what tools/etc. are needed
- You can start from scratch if need be (i.e. cloning from your GitHub repo)
- You aren't committing/pushing code at the last moment
- You will be graded on:
  - contents of your GitHub repository (including pull-requests, reviews, comments, etc.)
  - quality of the presentation, e.g. content, grammar, and presentation skills

## Team Rosters

### Team 1 (MS Teams join code: 0v7f190)

- Alejandro Rojas
- Alexander Sanford
- Dominic Schneider
- Jonathan Grant
- Kevin Sandoval
- John Freda

### Team 2 (MS Teams join code: l3kpt4x)

- Derek Rhine
- Diptanshu Giri
- Jesse Gonzales
- Letitia Fickling
- Noel Corrales
- Shane Bowman

### Team 3 (MS Teams join code: ghyt3db)

- Arturo Valenzuela Montes
- Cody Howard
- Dustin Crain
- Edom Eshete
- Reynaldo Lopez
- Shawn Ennis

### Team 4 (MS Teams join code: 694nta7)

- Adam Prieto
- Muhammad Hammad
- Daniel Martinez
- David Bowling
- Malcolm Johnson
- Uriel Bello-Gray

### Team 5 (MS Teams join code: 9azqkcq)

- Cesar Monzon
- Cody Barlow
- Kamron Correia
- Sarmad Tello
- Toby Sack
- Ryan Dinville

### Team 6 (MS Teams join code: 0p3pwxv)

- Hector Cruz
- Busra Ozdemir
- Adam Wojdyla
- Dakota Miller
- Firew Handiso
- Riley Strong

## References

### GitHub References

- Milestones: <https://docs.github.com/en/github/managing-your-work-on-github/about-milestones>
- Issues: <https://docs.github.com/en/github/managing-your-work-on-github/about-issues>
- Pull-requests: <https://docs.github.com/en/github/collaborating-with-issues-and-pull-requests/about-pull-requests>
- Creating a pull-request: <https://docs.github.com/en/github/collaborating-with-issues-and-pull-requests/creating-a-pull-request#creating-the-pull-request>

### Presentation Rubrics

- [http://readwritethink.org/files/resources/printouts/30700\\_rubric.pdf](http://readwritethink.org/files/resources/printouts/30700_rubric.pdf)
- [http://www.makinglearningreal.org/pdfs/scoring\\_rubric.pdf](http://www.makinglearningreal.org/pdfs/scoring_rubric.pdf)
- [http://www.fresnostate.edu/academics/oie/documents/oral\\_pres\\_rubric.pdf](http://www.fresnostate.edu/academics/oie/documents/oral_pres_rubric.pdf)