

Final Project Description

This is the scenario we are simulating for the final project of this class.

You are on a development team from your company assigned to develop a Disaster Preparedness app. Dan Smith is the leader of the local chapter of the Community Emergency Response Team (CERT) and can be considered the owner for our purposes. Larry Hingabe is the CERT relationship manager at your company and has gotten approval from management to proceed with this project to complete phase 0 (planning) as evidenced by the relationship manager completing the Project charter.

As you have done with the class case study, project management involves taking this charter and filling out additional detail needed for ensuring successful software delivery to the customer. As a project evolves, several documents are typically completed by the project manager with help from the engineering team assigned to ensure successful completion. At the same time, a prototype will also need to be developed.

Just like the class case study, there will be ambiguities and you will need to make some assumptions. You can generally follow the same guidelines and thought process you did with the case study. Again - you can make changes to any spreadsheets, add/design additional databases, so long as the requirements are met and all functionality required.

Charter - [SER416 Final Project Charter.pdf \(\)](https://canvas.asu.edu/courses/234472/files/112833190?wrap=1)

You have two options for this project. You should chose **one** of these two options.

Option 1 - PM Route

You will assume the role of the PM. You will complete Phase 0 of the project. To do this, you must complete the following documents for this project. They are listed below:

- Project Scope
- UML Use Case diagram
- Project Requirements
- Project WBS
- Gantt Chart (Schedule)
- Cost Estimate

Submission - a zip folder containing all of the above documents.

Option 2 - Developer Route

You will assume the role of a developer on the team. You will complete Phase 1 of the project. To do this, you will implement the high level requirements listed in the charter, within the constraints listed there. This is expected to be an initial prototype, so while the high level requirements must be met, your solution is not expected to cover all possible edge cases or be completely bug free. However, as you intend to present this to CERT, all major features should run reliably.

Submission - a zip folder of your entire Python project and associated files, including one example exported csv file.