

# CS320 Final Project Deliverables and Requirements

This document describes the final set of deliverables required for the project your team has developed this semester. There are two deliverables: a final project presentation, to be given on the final exam date and time scheduled for this class, and a document that describes some of the main aspects of your project and the development process your team followed.

**Deliverables** (both uploaded to Moodle- see the final week section):

**Please ensure that you follow these file naming conventions. Only pdf docs are accepted. A 5% deduction will be assessed.**

[Team Name]\_PresentationFinal.pdf (slides of the presentation)

[Team Name]\_DocumentFinal.pdf (summary report- see below for details)

The exact content of these documents is specified below.

## 1. Final Presentation and Demo (60%).

The final presentations are given during the scheduled exam time for this class (see Moodle for date and time). At least two team members will present a demo of your application's main features to the class and this semester's customer. It is recommended that some team members are tasked with "driving" the app while the presenters narrate or describe the feature. These roles can be switched during the demo if you want.

Goals: To communicate an overall impression of your team's development process this semester, and to demonstrate your prototype's functionality to project stakeholders (customer, instructor, other students in 320). The presentation should be mostly directed at the customer, and should be a user-level demo of the major functional requirements. Please remember to thank our project sponsor (customer).

The deliverables for the Final Presentation are a **live demo** and a **set of slides** that should include a (very) brief overview of your team's process. These slides should be submitted as a pdf document and must be named according to this form:

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[Team Name]\_PresentationFinal.pdf

We have two hours for all five teams to present. You want to plan on 15 minutes max for your presentation. Leave some time for questions and comments Remember to speak slowly and not rush through the demo. **Suggestion:** Have someone "drive" the application so the presenter doesn't have to worry about typing and manipulating the interface.

**Required:** The presentation slides must be a separate pdf file from the document mentioned in part 2, below. Only one team member needs to submit to the assignment.

Your slide presentation ***must consist of the following slides:***

1. A title page with team, project names as well as the names of the presenters.
2. A slide that describes the application's purpose.
3. A list of use cases that you developed for this MVP ***and their level of integration.***
4. An informative architectural diagram of your system with all components and connectors clearly labeled. Protocols for the connectors (interfaces) and other information about the interface clearly labeled. Logos and clip art minimized, and clearly labeled as to what it is. Layers and tiers clearly marked and labeled.

**Demo:** You identified the major functional requirements (use cases) of this application at the beginning of development time. Your final demo should demonstrate these use cases with a working application: the data flows "round trip": from the front end to the back end and back. Take your time on the demo- give the customer and audience a chance to take in your UI so we can see what it does (and appreciate the results of your hard work). Allow for feedback and comments during the demo.

## **2. Documentation of Your Project Development (40%).**

This document contains a summary of your development process during the semester. Although much of the information in this document will be presented in your talk, it is important to provide a more "formal" version of your product and process.

Your document must include the following:

1. A title page containing the project name, team name, customer company name.
2. A description of the application including its purpose, the main types of users, and any important, non-functional constraints, such as performance or security constraints.
3. List the third party software you chose to develop this project. Please use the table below as a guide for this requirement. Besides the name/title of the software, include a brief description of what the software does and, under the purpose column, how it was used in your project. This list should include the software that you used to implement your application as well as any software you used to aid in the development of the app (dev ops).

Software Title	Description	Purpose

2. Include an architectural diagram that shows the main components of your system and how it is to be deployed. This diagram should clearly show the main components of your system with labeled “boxes” and how they connect to the other components of your system with labeled “arrows”. The arrow labels indicate the type of connection, such as a protocol, etc. Use the tiered style to show the deployment strategy for your system. You may submit more than one diagram if you wish. The diagram can be the same as mentioned in point 5 of the presentation requirements above.
4. A list of any difficulties you encountered with your development process.
5. A list of what worked well with your development process.
6. A list of any technical issues you encountered (good, bad, indifferent) that you want to mention about developing your prototype in general- this can be technical roadblocks or successes, etc.
7. A description of how you included testing in your development process. Did you use any testing framework or software? What level of testing did you do: unit, integration, user?
8. Include any notes for installing, running, and testing your code. This is intended for the customer’s point of view. Include only important points that the recipient of the software should know to get your system in a running state. Include either a link to your source code or a compressed file. We understand this is an MVP prototype, not a complete system.
9. **Include a link to the project repository on github so the instructor and customer can clone your repo. Make sure all branches are successfully merged!**

**Quality requirements (applies to both slides and document):**

1. First slide/page has the project, team, and customer company name.
2. All pages or slides numbered.
3. All diagrams must be uniquely numbered and titled.
4. Your material is free of typos, spelling errors and inconsistencies (can’t have contradictory information).
5. Your work must be unambiguous- state clearly what you mean.

All material must be readable and neatly done. Use a clear and consistent syntax in all diagrams. Overly complex and detailed diagrams or diagrams that do not fit on the page are to be avoided.

This document should be submitted as a pdf file in addition to the presentation pdf file (described in part 1 above) and must be named according to this form:

**Please ensure that you follow this file naming convention. Only pdf docs are accepted. A 5% deduction will be assessed.**

[Team Name]\_DocumentFinal.pdf