

CS Capstone Design

Final Project Demo Grading Sheet (50 pts)

50	
A: +90%	45
B: +80%	40
C: +70%	35
D: +60%	30
F: <50%	25

TEAM: JabberJack

Overview: The main purpose of the “Technical Demos” is to very clearly explore the extent to which the team has implemented the key functional and performance requirements for their project. Grading is based on two factors:

- **Completeness:** Have all of the key requirements been implemented. To what extent does the product have all of the functionalities and performance that was promised.
- **Quality:** Just having basic functionality is the bare minimum. What is the quality of the implementation? Is the resulting product aesthetically pleasing, easy to use, and a pleasure to work with; to what extent is it “ready for market”?

This template is fleshed out by the team, **reviewed and approved by CS mentor beforehand**, and then brought to demo in hardcopy for the mentor to use as a grading sheet.

Requirements Review

Based on our requirements acquisition work and evolution during implementation, the following are the key technical requirements driving of our product:

R1: Chatbot Input. The chatbot needs to be able to accept both text and speech input.

- Users are able to type and speak their questions to the chatbot

R2: Chatbot Speed. The chatbot needs to be able to respond quickly

- The chatbot can respond within 5 seconds

R3: Chatbot Response. The chatbot needs to respond in both textual and speech format. ●

The chatbot can speak responses out loud as well as display them on screen for users

R4: Faculty Login. Faculty members should be able to login to their accounts that are set up by an administrator.

- Request access via email... → should I add a function to do this; connected to admin email

R5: Faculty Edit Information. Faculty members can edit information pertaining only to themselves

- Faculty management page provides functionality to edit “personal” information”

R6: Admin Create Account. Admin accounts are able to create new users.

- The register page which is only accessible through an admin account is able to create new user login credentials

R7: Admin Edit/Delete/Add Information. Administrative users are able to add, delete and edit all existing information within the database.

- The Admin management page provides functionality to do all of these and they are also able to search the database by input.

R8: Logout. All users should be able to logout of their account.

- There is a logout button that provides this functionality

Demonstration Sequences:

This section outlines the demonstration sequences prepared to prove the above functionalities. Each sequence is a coherent walk-through of some piece/area of the product, designed to highlight implementation of specific requirements/functionalities outlined in the last section.

Demonstration Sequence 1: Chatbot (General User Sequence)

Requirements demonstrated: R1, R2

Flight Plan for this demo sequence: Step by step plan of things to do/demo

1. Type in a question or tap the listen button to speak to the chatbot
2. Click submit
3. Receive an answer back from the chatbot in both spoken and written formats

Evaluation (filled in real-time by mentor):

✓ Convincingly demo'd each of the targeted requirements?

✓ Quality, aesthetics and other evaluative comments:

Demonstration 2: Faculty User

Requirements demonstrated: R4, R5, R8

Flight Plan for this demo sequence: Step by step plan of things to do/demo

1. Login to 'your' account (Assume account has been previously created for the faculty member)
2. Click login; land at home page
3. Click on management link
4. Choose the type of information you would like to edit
5. Change the information
6. Click submit
7. View the new information
8. Logout

Evaluation (filled in real-time by mentor):

✓ Convincingly demo'd each of the targeted requirements?

- ✓ Quality, aesthetics and other evaluative comments:

Demonstration Sequence 3: Admin User (Register New User)

Requirements demonstrated: R6

Flight Plan for this demo sequence:

1. Log into the admin account
2. Click Register new user link
3. Insert information based on who made the request
4. Click Register
5. If successful it should reroute the user back to the home page

Evaluation (filled in real-time by mentor):

- ✓ Convincingly demo'd each of the targeted requirements?

- ✓ Quality, aesthetics and other evaluative comments:

Demonstration Sequence 4: Admin User (General Workflow)

Requirements demonstrated: R7, R8

Flight Plan for this demo sequence:

Assume admin user is already logged in

1. Click the "Admin Management" link
2. Select insert
3. insert new information
4. select search
5. search for recently inserted information
6. select edit
7. edit information and confirm
8. select delete
9. delete the information
10. logout

Evaluation (filled in real-time by mentor):

- ✓ Convincingly demo'd each of the targeted requirements?

- ✓ Quality, aesthetics and other evaluative comments:

Other challenges recognized by not addressed by demo:

If there were requirements that you listed earlier that were *not* covered by a demo, list here. This will hopefully be a short list...but better to be clear about what is done and not. If there are items here, one could provide an explanation of why they weren't done.

- The listen function is buggy and sometimes will cause the software to crash; in addition it is not completely accurate and may not “hear” things correctly → this is a common problem among other chatbots like siri or alexa