

CS Capstone Design

Alpha Prototype Demo Grading Sheet (100 pts)

TEAM: Ceres

Overview: The purpose of the Alpha Prototype Demo is to clearly demonstrate the extent to which all core user flows envisioned for the product are supported by the current implementation. The flow of the demo is very natural: you simply introduce each of the major usage scenarios, and then follow through each of them, just as an end-user would in using the product. Grading is based on how completely the current product supports all key functional aspects within a coherent, realistic user flow. Interface refinement, clunkiness, and aesthetics should be ignored for now; the focus is simply on functional ability to complete the user flow.

This template is fleshed out by the team, approved by the team mentor, and brought to demo as a grading sheet.

Overview of major product use cases

Based on the Requirements document and subsequent development discussions with your client and mentor, briefly describe each of the key use cases for your product:

UC1: Searching Database

Users should be able to create a search to execute upon the database. This search should allow the user to select from various asteroid attributes and metrics as well as put limits on the specific values desired for them.

UC2: Interacting with Asteroid Pages

Users should be able to navigate to the specific page for an asteroid. Once on this page the user should be able to see various attributes of the asteroid they are interested in through graphing them against each other. The user should be able to download this graph, and additionally, the user should be able to view the specific asteroid in other existing databases.

UC3: Personalized User Accounts

Users should be able to log into their specific account for the user they are logged in as. This profile will allow users to update display preferences and update their password by sending a secure email to their saved email address. The user should be able to edit their other personal information such as Name, Username, and Email Address.

UC4: Sharing/Saving Asteroids as Bookmarks to User Profile

Users should be able to share or save asteroids of interest. Sharing will be done simply through allowing the user to easily get a link to the asteroid page copied directly to their clipboard. Saving will be done by allowing the user to bookmark an asteroid, and this will in turn allow the user to view the asteroid on their personal profile page.

User Flows: Detailed walk-through for each use case:

In this section, we outline the demonstrations of each use case that we have prepared, giving a step-by-step outline of the user flow that would be followed by a real user for that use case.

Use case 1: Searching Database

User Flow:

1. Start from application homepage
2. Navigate to search page
3. Select an attribute or metric from the drop down list
4. Enter limits for the values of the selected drop down
5. Filter the results and see results section update
6. Apply the ascending/descending boolean and filter again to see reverse direction
7. Repeat steps 3-6 to verify other elements of the drop down list
8. Show the total number of asteroids as well as the paging system of these asteroids
9. Page through asteroids
10. Enter invalid values
11. Filter to see no results shown

Evaluation and Comments:

✓ Convincingly demo'd each of listed challenges?

✓ Other evaluative comments:

Use Case 2: Interacting with Asteroid Pages

User Flow:

1. Starting from the home page
2. Navigate to the search page
3. Perform simple query to make an asteroid list appear
4. Using the query results, click on any asteroid link
5. Arrive at asteroid homepage
6. Apply drop down list to change asteroid page graph
7. Repeat with several graphs
8. Export graphs to personal computer
9. Show graphs are still viewable
10. Navigate to asteroid pages on other existing databases

Evaluation and Comments:

- ✓ Convincingly demo'd each of listed challenges?

- ✓ Other evaluative comments:

Use Case 3: Personalized User Accounts

User Flow:

1. Start from the homepage of the application
2. Navigate to the account tab/page
3. Application detects if user is signed in or not
 - a. User Signed In
 - i. Show account page generates with user data
 - ii. User is able to reset password via secure email (takes a moment)
 - iii. User can update any personal information
 1. Name
 2. Username
 3. Email
 4. Password (mentioned above)
 - iv. User is able to sign out of their account
 - b. User Not Signed In
 - i. Navigate to Login Page
 1. User logs in with credentials
 2. User redirects to account page
 3. Follow steps under 3.a.
 - ii. Navigate to Sign Up Page
 1. User creates account with valid email and password
 2. User redirects to account page on success
 3. Follow steps 3.a.

Evaluation and Comments:

✓ Convincingly demo'd each of listed challenges?

✓ Other evaluative comments:

Use Case 4: Sharing/Saving Asteroids as Bookmarks to User Profile

User Flow: Bookmark

1. Starting from the home page
2. Navigate to search page
 - a. While logged in to valid user account
3. Perform some basic query to obtain search results
4. Toggle the bookmark button on an asteroid entry
5. Navigate to the account page
6. View the bookmarked asteroids section
7. Click the link to navigate to the asteroid page
8. Repeat steps 5-7 to verify working functionality

User Flow: Sharing

1. Starting from the home page
2. Navigate to the search page
3. Perform some basic query to obtain search results
4. Click the “Share” button
5. Navigate to some text entry field
6. Show the link to the asteroid page was copied to clipboard
7. Repeat steps 4-6 to verify working functionality

Evaluation and Comments:

✓ Convincingly demo'd each of listed challenges?

✓ Other evaluative comments: