Team#: 4

Team Project Title: How to Feed Your Dragon

|   | First Name | Last Name | CSUSM account ID | Contribution Percentage |
|---|---|---|---|---|
| 1 | Benno | Wiedner | wiedn002 | 33% |
| 2 | Lily | Bailey | baile094 | 30% |
| 3 | Elaeth | Lilagan | lilag002 | 32% |
| 4 |  |  |  |  |
| 5 |  |  |  |  |

**Grading Rubrics (for instructor only):**

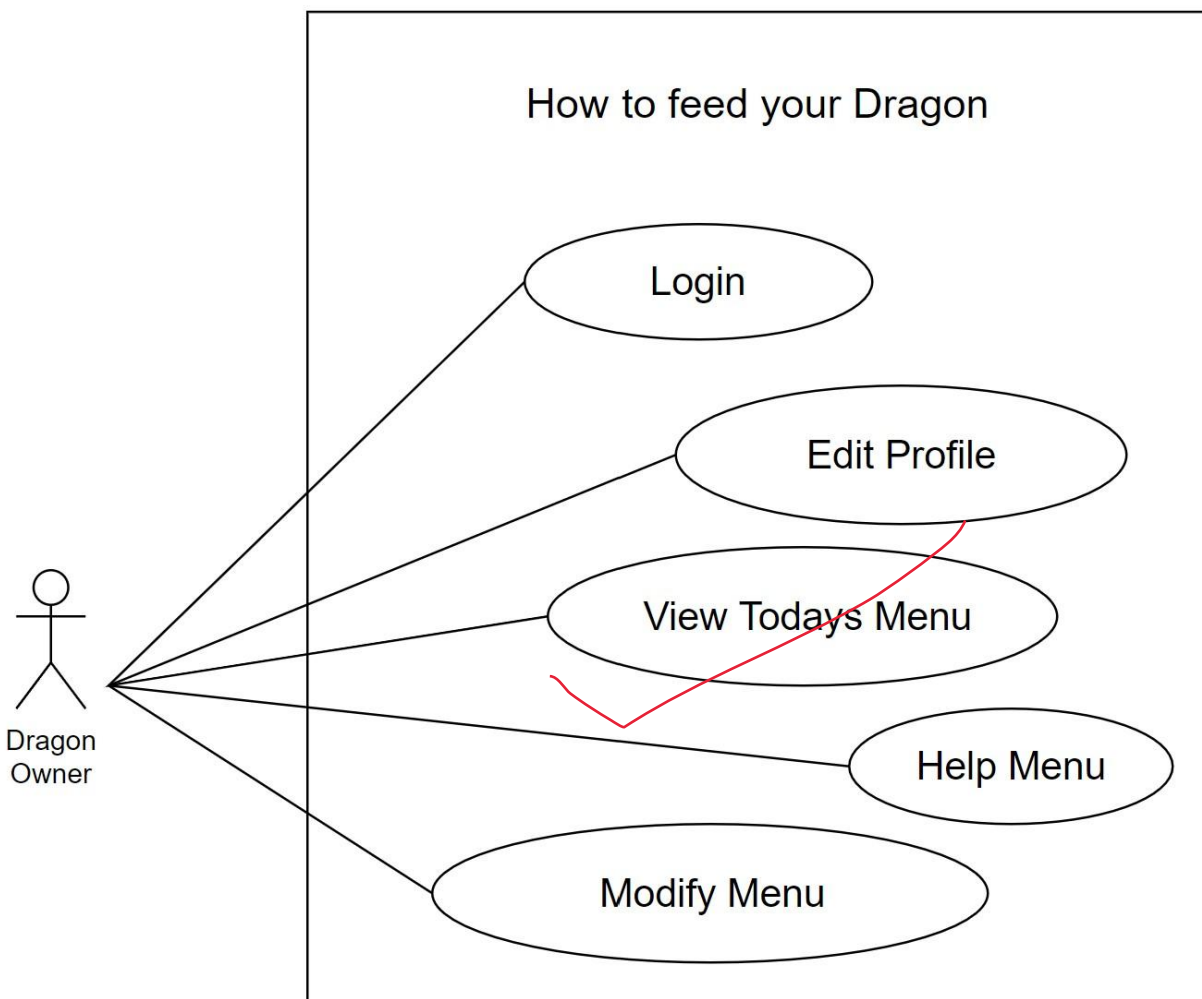| Criteria | 1. Beginning | 2. Developing | 3. Proficient | 4. Exemplary |
|---|---|---|---|---|
| **Use Case Diagram** | 0-16 | 16-26 | 27-34 | 35-40 |
|  | many use cases and relations are not correct | many use cases or relations are not correct | A few use cases or relations are not correct | Diagram is complete, all relations are correct |
| **Summary level use case description table** | 0-5 | 6-9 | 10-14 | 15-20 |
|  | Missing important elements | Information provided is insufficient | Some minor issues | Information provided is sufficient and appropriate |
| **Use case description tables for primary task use cases** | 0-16 | 16-26 | 27-34 | 35-40 |
|  | Missing important elements | Information provided is insufficient | Some minor issues | Information provided is sufficient and appropriate |
| **Total Grade (100)** |  |  |  |  |

**Problems:**

Each team works together on use cases for your course project.

## Lab 6: SE 370 Software Engineering Principles

Your submission should include:

- A UML use case diagram
- The use case description table of at least one use case at the summary level
- The use case description table of multiple use cases at the primary level
- The use case description table of use cases at the sub-function level, if applicable

You should start each use case description table in a new page

| Project Name: | How to Feed Your Dragon | | |
|---|---|---|---|
| User Case ID: | HTFYD_UC-100 | | |
| Use Case Name: | Profile Selection | | |
| User Goal: | User views existing profiles or new/edit profile button | | |
| Scope: | HTFYD | | |
| Level: | subfunction | | |
| Primary Actor: | Bearded dragon owners | | |
| Precondition: | Install HTFYD program | | |
| Minimal Guarantee: | Create new profile | | |
| Success Guarantee: | Allows access to existing profile | | |
| Trigger: | User opens HTFYD application | | |
| Success Scenario: | | | |
| | Step | Action | |
| | 1 | User activates program | |
| | 2 | system displays loading page | |
| | 3 | system queries existing profiles from file | |
| | 4 | system displays existing profiles | |
| Extensions: | Branching Scenarios | | |
| | Step | Action | |
| | 3a | system cannot find existing profile | |
| | . | system prompts <<create new profile>> | |
| | . | continue to <<create new profile>> 1 | |

# Lab 6: SE 370 Software Engineering Principles

| Project Name: | How to Feed Your Dragon |
|---|---|
| User Case ID: | HTFYD_UC-200 |
| Use Case Name: | Edit Profile |
| User Goal: | Modifying the profile of the selected Bearded Dragon |
| Scope: | HTFYD |
| Level: | subfunction |
| Primary Actor: | Bearded dragon owners |
| Precondition: | User has logged into the HTFYD application |
| Minimal Guarantee: | No changes have been made to a profile |
| Success Guarantee: | The selected profile has been updated |
| Trigger: | user clicks <<edit profile>> |

| Success Scenario: | | |
|---|---|---|
| | Step | Action |
| | 1 | user selects profile to edit |
| | 2 | system calls existing profile information from file |
| | 3 | system displays existing profile information |
| | 4 | user changes desired information |
| | 5 | user clicks <<save>> button |
| | 6 | system saves profile information to file |
| | 7 | system loads <<view today's menu>> |
| Extensions: | Branching Scenarios | |
| | Step | Action |
| | 2a | system cannot find existing profile |
| | . | system prompts <<create new profile>> |
| | . | continue to <<create new profile>> 1 |
| | 5a | user clicks <<view today's menu>> without saving |
| | . | system checks for changes to profile vs file |
| | . | system prompts user to save data |
| | . | user clicks confirmation to save changes |
| | . | system forwards user to <<view today's menu>> |
| | 5b | user clicks <<view today's menu>> without saving |
| | . | system checks for changes to profile vs file |
| | . | system prompts user to save data |

# Lab 6: SE 370 Software Engineering Principles

| Project Name: | How to Feed Your Dragon | | |
|---|---|---|---|
| User Case ID: | HTFYD_UC-201 | | |
| Use Case Name: | Create New Profile | | |
| User Goal: | User adds a new bearded dragon profile | | |
| Scope: | HTFYD | | |
| Level: | subfunction | | |
| Primary Actor: | Bearded dragon owners | | |
| Precondition: | User viewing login or edit profile page | | |
| Minimal Guarantee: | Allow access to existing profiles or menu | | |
| Success Guarantee: | A new profile is generated in the system and saved | | |
| Trigger: | User clicks "Create new profile" button | | |
| Success Scenario: | | | |
| | Step | Action | |
| | 1 | User clicks "create new profile" button | |
| | 2 | system prompts user for information | |
| | 3 | user completes input and clicks "save" button | |
| | 4 | system tests for existing profile with the same name | |
| | 5 | system saves new profile | |
| | 6 | system forwards user to << Menu >> screen | |
| Extensions: | Branching Scenarios | | |
| | Step | Action | |
| | 4a | system finds existing profile with specified <<name>> | |
| | . | system prompts user notification to change name | |
| | . | continue to <<create new profile>> 2 | |

# Lab 6: SE 370 Software Engineering Principles

| Project Name: | How to Feed Your Dragon | | |
|---|---|---|---|
| User Case ID: | HTFYD_UC-300 | | |
| Use Case Name: | View Todays Menu | | |
| User Goal: | Display the days menu for the selected bearded dragon | | |
| Scope: | HTFYD | | |
| Level: | Primary | | |
| Primary Actor: | Bearded dragon owners | | |
| Precondition: | User selects valid bearded dragon profile | | |
| Minimal Guarantee: | Prompt modify menu | | |
| Success Guarantee: | Display todays menu | | |
| Trigger: | Select a profile, Create a profile, Modified menu | | |
| Success Scenario: | | | |
| | Step | Action | |
| | 1 | system tests profile for restricted dietary items | |
| | 2 | system compiles list of food stocks available | |
| | 3 | system generates prioritized foods based on nutritional requirements | |
| | 4 | system displays the menu for this day based on requirements | |
| | 5 | system displays proper portioning for each food item | |
| | 6 | system saves any feed items categorized as restricted to profile | |
| Extensions: | Branching Scenarios | | |
| | Step | Action | |
| | 4a | system finds existing profile with specified <<name>> | |
| | . | system prompts user notification to change name | |
| | . | continue to <<create new profile>> 2 | |

| Project Name: | How to Feed Your Dragon | | |
|---|---|---|---|
| User Case ID: | HTFYD_UC-400 | | |
| Use Case Name: | Help menu | | |
| User Goal: | Assist users with utilizing the app | | |
| Scope: | HTFYD | | |
| Level: | subfunction | | |
| Primary Actor: | Bearded dragon owners | | |
| Precondition: | Opened HTFYD | | |
| Minimal Guarantee: | no help page is displayed | | |
| Success Guarantee: | display useful information regarding the app | | |
| Trigger: | User clicks the help button on any page | | |
| Success Scenario: | | | |
| | Step | Action | |
| | 1 | User clicks "Help" button | |
| | 2 | system reads help file for relevant page | |
| | 3 | system displays help file for relevant page | |
| | 4 | user clicks "exit" button | |
| | 5 | system returns user to previous menu | |
| Extensions: | Branching Scenarios | | |
| | Step | Action | |
| | 2a | system cannot find any help file | |
| | . | system returns to <<Help menu>> 5 | |
| | 3a | system cannot find relevant help file | |
| | . | system displays generic help file | |
| | . | system returns to <<Help menu>> 5 | |

| Project Name: | How to Feed Your Dragon | | |
|---|---|---|---|
| User Case ID: | HTFYD_UC-500 | | |
| Use Case Name: | Modify Menu | | |
| User Goal: | Editing the available foods of the bearded dragon | | |
| Scope: | HTFYD | | |
| Level: | Primary | | |
| Primary Actor: | Bearded dragon owners | | |
| Precondition: | Profile must be created | | |
| Minimal Guarantee: | display list of edible foods without modification | | |
| Success Guarantee: | user is able to add/delete products from the list | | |
| Trigger: | User toggles check boxes within a scrollable list | | |
| Success Scenario: | | | |
| | Step | Action | |
| | 1 | system reads file containing a list of foods | |
| | 2 | system displays list of foods with check boxes for interaction | |
| | 3 | user selects boxes of available food stuffs | |
| | 4 | user selects <<save>> button | |
| | 5 | system checks boolean values for each checkbox and saves | |
| | 6 | system generates daily menu utilizing foods "on hand" | |
| Extensions: | Branching Scenarios | | |
| | Step | Action | |
| | 1a | system cannot locate file containing foods list | |
| | . | system prompts user to reinstall application | |
| | 3a | user does not interact with check boxes | |
| | . | system provides "default" list for menu | |
| | 4a | user does not interact with check boxes but saves | |
| | . | system provides "default" list for menu | |