Project 1 - Recipe Book

Description

As a team, create a Java program that functions as a digital Recipe Book. Users will be able to store and retrieve recipes, walk through instructions step-by-step, and refer to a User Guide for detailed documentation on how the software works. You will not be graded on your flavor profiles nor cooking ability (you don't need to use real recipes).

Implementation

There are five components to this project, in terms of user interaction. How you split up the work and plan the code architecture is up to you, as long as users are able to perform these five actions. You will use a GitHub repo and Confluence wiki to coordinate work and host your final product.

1. Recipe Creation

    A recipe must contain a name, a description, an ingredient list, and step-by-step cooking instructions. When a user creates a recipe, it should be saved to disk in a location within your Git repo. Make sure you commit and push at least 3 recipes to your GitHub repo.

2. Recipe Retrieval

    The user must be able to access a recipe in two ways. Firstly, they can search for a recipe by name (exact string comparison is acceptable, though substring matching, ignoring case, and fuzzy search will make the application more user friendly). Secondly, they can browse all existing recipes and choose the one they want.

3. Recipe Exporation

    After retrieving a recipe, the user must be able to explore the recipe in two ways. Firstly, they can read the entire recipe, including description, ingredients, and instructions. Secondly, they can step through the instructions one at a time (to assist during cooking).

4. User Interface

   The user needs a way to learn and execute the different actions they can perform. At minimum, this can be a command line menu system that guides users through their choices (Create vs Retrieve, Search By Name vs Browse All Recipes, etc). A graphical user interface may be easier for a user to navigate, but is not required.

5. User Guide

   A comprehensive User Guide is key to a smooth user experience. This Confluence-based wiki will consist of a table of contents and unique pages with detailed instructions (including screenshots) for each major user action.

Set Up

Each group (not student) will need the following:

- Team name
- Github repo
  - Add https://github.com/nolanfilter and https://github.com/evankorth
- Confluence wiki
  - Only one team member needs to create the workspace. Recommended: set up with email address in format netid+recipebook@nyu.edu (for example, nff206+recipebook@nyu.edu) so you can create more than one workspace. This is a standard feature of gmail and will trick Atlassian into thinking you have a new email address even though the emails will go to your nedit@nyu.edu inbox.
  - Use <team-name>-recipe-book.atlassian.net as your unique wiki name
  - Add nolan.f.filter@gmail.com and ekorth@gmail.com
- Slack channel called #<team-name> (daily standups will happen here)
  - Add Nolan Filter and Evan Korth
  - Every work day create a post with the work you did yesterday, the work you're doing today, and any blockers. Recommended: first person to post their daily standup each day creates a post "Standups for <date>" and everyone threads their standups beneath it.
- Trello board
  - Add nolan.f.filter@gmail.com and ekorth@gmail.com

Process

Please submit a Weekly Standdown for each sprint on Brightspace. This is a mix of self-reported quantitative and qualitative data to summarize your sprint each week. Note: standdowns are only compared to your own progress, never to a teammate or classmate, so please don't create a bunch of unnecessary Git commits with minor changes to inflate your numbers. Everyone should work at their own pace. Please include in your report:

- Number of standups joined on Slack
- Number of commits pushed on GitHub
- Number of tasks completed on Trello
- 1-2 sentences describing your work this sprint

Submission

Please include the following in your submission to Brightspace:

- Team (each person should submit this but it will be the same for every member)
    - GitHub repo url (the GitHub repo should contain 3 pre-created recipes)
    - Confluence wiki url
    - Slack channel name
    - Trello board url
- Individual
    - 2-3 sentences describing your contributions to the project

Grading Rubric

Points	Criteria
5	Contributions on GitHub and/or Confluence reflecting meaningful work
5	Consistent standups on Slack and completed tasks on Trello
5	Participation in sprint presentations
5	Positive reviews on peer evaluations