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Recipe Collection

# Project description

This web app is an online, searchable, recipe collection. The app will include:

1. A landing page to greet new and old users.
   1. @app.route = index.html extends base.html
   2. This page is the default page when users arrive.
   3. It will dynamically display a series of random recipes (dynamically generated) through clickable thumbnails. The user will be able to scroll over the thumbnails to browse all available recipes.
   4. Provide fields to search recipes by keyword.
2. Recipe viewing page.
   1. @app.route = viewrecipe.html extends base.html
   2. Each recipe may be viewed on a webpage. It will include a picture of the recipe, ingredients, directions, rating, comments and suggestions.
   3. The page is a template with content dynamically added for each recipe.
   4. An option will exist on the recipe page to delete the recipe from the collection.
   5. Upon deleting a recipe, user will be redirected to the index.html route.
3. Recipe searching functionality and results page.
   1. @app.route = search.html extends base.html
   2. The web app will use pandas to search a database of recipes in .csv. and generate results in a table with recipe name and pic.
   3. Recipes may be searched by keywords, and filtered by category,
4. Add recipe page.
   1. @app.route = addrecipe.html extends base.html
   2. This page will be a template.
   3. A page that uses a form to enter all fields relevant to creating a new recipe.
      1. Fields are: Recipe name, description, picture, ingredients, description, category, rating.
         1. Categories will be Breakfast, lunch, supper, dessert, snack.
   4. New recipes will be added to the .csv file upon creation and will be available to the website

Links to all described pages will be available on all pages via a navbar in the page header. After adding a new recipe, users will be notified the recipe is added and redirected to the @index.html page. The navbar will be a part of the template that all other pages are built from.

I’ll be aiming for top marks in the rubric.

# Technical Requirements

1. The .csv will contain 1 table with all necessary recipe data. Column headers will be:
   1. Recipe name (string), picture (path to image file), ingredients (an embedded collection of (string) ingredients), description(a collection of (string) recipe steps), rating (int 1 to 5)
2. At this time, I do not expect to include any additional technologies.
3. The site will be deployed using Amazon AWS.
4. Included in the static folder:
   1. .css folder (from html template)
      1. bootstrap.css
      2. bootstrap-theme.css
      3. Main.css
   2. fonts folder (from html template)
      1. glyphicons-halflines-regular.eot
      2. glyphicons-halflines-regular.svg
      3. glyphicons-halflines-regular.ttf
      4. glyphicons-halflines-regular.woff
   3. img folder
      1. Will contain picture images for recipes
      2. Any other image files will also be stored here.
   4. Js folder
      1. Vendor folder
         1. bootstrap.js
            1. bootstrap.min.js
         2. jquery-1.11.2.min.js
         3. modernizr-2.8.3-respond-1.4.2.min.js
         4. npm.js
      2. main.js
   5. apple-touch-icon.png
   6. browserconfig.xml
   7. favicon.ico
   8. tile.png
   9. tile-wide.png
5. Additional Resources:
   1. [Flask Essential Training](https://www.linkedin.com/learning/flask-essential-training?u=27766394) from Linked in Learning
   2. [How to create a Recipe Sharing Platform using Python and Flask.](https://medium.com/@jexend17/how-to-create-a-recipe-sharing-platform-using-python-and-flask-4eeff6af52b2)
   3. [Flask documentation](https://flask.palletsprojects.com/en/2.3.x/)