| Core | Deadline: Sunday of Week 7 | Difficulty Level: Intermediate | Est. Time: 4 - 6 hrs |

Recipes (Belt Prep)

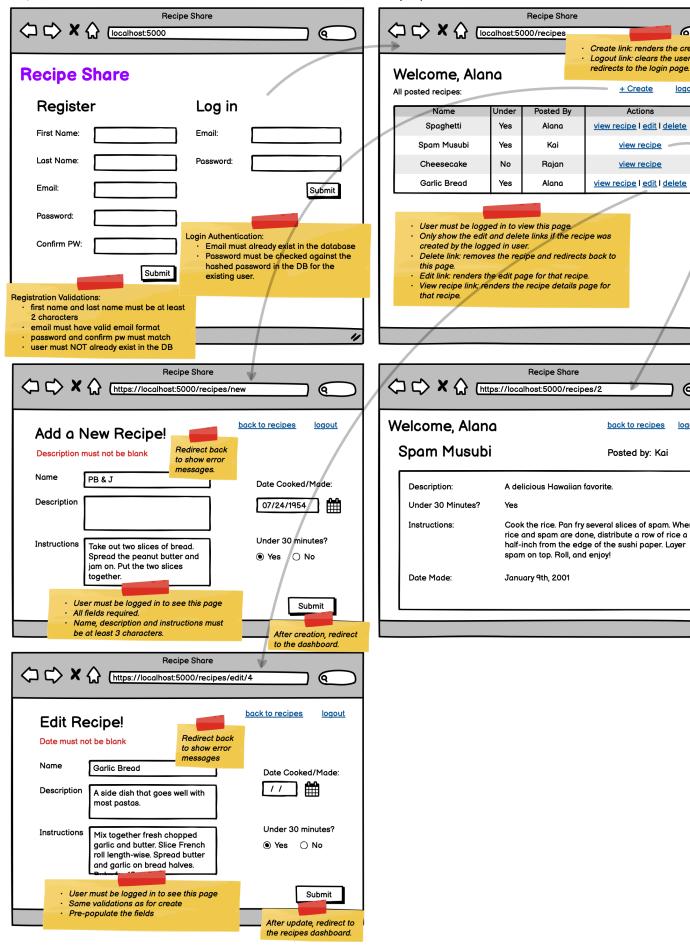## Objectives

🔍 **Learning Objectives:**

- Students will review essential skills needed for the Belt Exam.

Welcome to another Core assignment! Some students like to explore the assignments before they're finished reading through the lessons, and that's okay! It can be good for your brain to have a preview of what your future challenges might be. However, before you begin this assignment, it's important that you've first:

- Completed the preceding lesson modules

- Taken the knowledge checks to confirm your understanding

- Viewed lecture material related to the assignment topics

- Completed and submitted your practice assignments

Now, the Assignment:

[Download Wireframe Here](#)

Screen 1 — localhost:5000

Recipe Share

localhost:5000

Recipe Share

Register

First Name: [_____]

Last Name: [_____]

Email: [_____]

Password: [_____]

Confirm PW: [_____]

[Submit]

Log in

Email: [_____]

Password: [_____]

[Submit]

Login Authentication:
- *Email must already exist in the database*
- *Password must be checked against the hashed password in the DB for the existing user.*

Registration Validations:
- *first name and last name must be at least 2 characters*
- *email must have valid email format*
- *password and confirm pw must match*
- *user must NOT already exist in the DB*

Screen 2 — localhost:5000/recipes

Recipe Share

localhost:5000/recipes

Welcome, Alana

All posted recipes: + Create   logout

Name	Under	Posted By	Actions
Spaghetti	Yes	Alana	view recipe	edit	delete
Spam Musubi	Yes	Kai	view recipe
Cheesecake	No	Rajan	view recipe
Garlic Bread	Yes	Alana	view recipe	edit	delete

- *Create link: renders the create page.*
- *Logout link: clears the user session, redirects to the login page.*

- *User must be logged in to view this page.*
- *Only show the edit and delete links if the recipe was created by the logged in user.*
- *Delete link: removes the recipe and redirects back to this page.*
- *Edit link: renders the edit page for that recipe.*
- *View recipe link: renders the recipe details page for that recipe.*

Screen 3 — https://localhost:5000/recipes/new

Recipe Share

https://localhost:5000/recipes/new

Add a New Recipe!   back to recipes   logout

Description must not be blank

Name [PB & J]

Description [_____]

Instructions [Take out two slices of bread. Spread the peanut butter and jam on. Put the two slices together.]

Date Cooked/Made:
[07/24/1954] 📅

Under 30 minutes?
◉ Yes   ○ No

[Submit]

Redirect back to show error messages.

- *User must be logged in to see this page*
- *All fields required.*
- *Name, description and instructions must be at least 3 characters.*

After creation, redirect to the dashboard.

Screen 4 — https://localhost:5000/recipes/2

Recipe Share

https://localhost:5000/recipes/2

Welcome, Alana   back to recipes   logout

Spam Musubi   Posted by: Kai

Description:	A delicious Hawaiian favorite.
Under 30 Minutes?	Yes
Instructions:	Cook the rice. Pan fry several slices of spam. When rice and spam are done, distribute a row of rice a half-inch from the edge of the sushi paper. Layer spam on top. Roll, and enjoy!
Date Made:	January 9th, 2001

Screen 5 — https://localhost:5000/recipes/edit/4

Recipe Share

https://localhost:5000/recipes/edit/4

Edit Recipe!   back to recipes   logout

Date must not be blank

Name [Garlic Bread]

Description [A side dish that goes well with most pastas.]

Instructions [Mix together fresh chopped garlic and butter. Slice French roll length-wise. Spread butter and garlic on bread halves.]

Date Cooked/Made:
[/ /] 📅

Under 30 minutes?
◉ Yes   ○ No

[Submit]

Redirect back to show error messages

- *User must be logged in to see this page*
- *Same validations as for create*
- *Pre-populate the fields*

After update, redirect to the recipes dashboard.

Example Demo:

Welcome sadie flick

[Add a new recipe!](#) [Log Out](#)

Recipes made by users:

Name	Under 30 min?	Actions
Perfect French Omlette by sami	Yes	[view instructions](#)
Pizza by sami	Yes	[view instructions](#)
Paneer by sami	Yes	[view instructions](#)
Tofu Scramble by sadie	Yes	[view instructions](#) [edit](#) [delete](#)

1. Build out the wireframe above.

2. Build an ERD based off of the information and functionality of the wireframe and create a schema in your database.

3. Create a Flask application and use the MVC design pattern, and OOP to make the application functional.

4. Carefully read and implement the features listed on the sticky notes.

☐ Make a new flask project

☐ Build the wireframe out with full functionality

☐ Compress/Zip up the project folder and submit

☐ Be sure to include the SQL Script