

# CollegeChef

Phase 2

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## Project Description

CollegeChef is a web app that allows a user to search for recipes that contain only ingredients that the user specifies. A user who has limited ingredients at home can enter them into the search bar and receive recipes that can be made without any additional ingredients. Users can also search directly for a recipe or browse for one from our recipe database. Recipes can be submitted by users and can be rated, as well as discussed in the comment section.

## Features and Requirements:

### Backend Details (4)

- Two account levels: Admin, User
- Only user accounts can be created through the web site
- Passwords are hashed and salted
- Form validation (checks if passwords match and that fields are filled in correctly)

### Navigation Bar (7)

- At the top of all web pages
- Contains name of the web page
- Horizontally expanding/collapsible menu containing links to homepage, recipe browser, and user page
- Notification button to show recent notifications
- Login button that links to the login page (hidden if logged in)
- Logout button that will log the user off of their account (hidden if logged out)
- Sign-up button that links to the sign-up page (hidden if logged in)

## Sign Up Dialog (1)

- Users can create an account with required fields for username, password, 'repeat password' and an optional email address field

## Login Dialog (5)

- Users can login with correct username and password
- Contains reCAPTCHA box to confirm user is human
- Contains two buttons so users can instead login with their google or facebook accounts using OAuth
- Contains a 'forgot password' button that takes in email address from user and send the password reset link to the given email address
- Contains remember me checkbox so users can opt to have their login remembered such that they do not have to login every time they visit the website

## Home Page (14)

- Left pane: search section to search recipes by ingredients
- A search bar to filter ingredients by name (ingredients that doesn't match the search text will be hidden temporarily)
- Ingredient buttons are selectable and will be pinned and excluded from the search bar filter (won't be hidden) once selected
- Users can add a "wild card" that is treated as any possible ingredient in order to add additional recipe options for the user
- Users can view a random recipe by clicking the recipe randomizer button
- Recipe search results will be added to right side of homepage as a new recipe list
- Can name added search result list and save it (if logged in)
- Right pane: recipe dashboard contains different list of recipes
- Users can view recently viewed recipes (if logged in)
- Users can view newly added recipes
- Users can view hot recipes (recipes with most comments)
- Users can view remarkable recipes (recipes with the highest rates)
- Users can view their favorite recipes (if logged in)
- All recipe lists are expandable and collapsible

## Recipe Browser (7)

- List of all recipes in database
- Users can browse by first letter of recipe name
- Users can browse by meal type
- Users can search directly for recipes by name

- Users can search by username to find recipes created by that user
- Displays name and image for each recipe
- Displays expandable short description for each recipe

## View a Recipe Page (13)

- Page containing the details of a particular recipe (recipe name and category, recipe photo, description, necessary ingredients with quantity, number of servings, cooking instructions)
- Displays images of the recipe and ingredients
- Page may show optional tips and suggestions (e.g. recipe conforms with some dietary restrictions)
- Users can rate and favourite recipes
- Users can upload pictures or post a text in comments
- Displays the user who most recently modified the recipe and the date/time of modification
- Users can like others' comments
- Users can have a 'shopping list' of the ingredients sent to their email address
- Users can share the recipe through social media or email
- Users have a print button for ease of access
- Users can reply to others' comments
- Users can mention/tag other users in comments
- Users can follow other users by clicking on their account picture/username

## User Page (14)

- Users can only view the user page if they login.
- Users can edit their profile information and will be taken to Edit Profile Dialog to do so
- Users can update their password and will be taken to the Password Reset Dialog to do so
- Users can view recipes that they uploaded
- Users can add new recipes and will be taken to the Add Recipe Dialog to do so
- Users can enable/disable email notifications corresponding to items specified in notification section
- Users can view all notifications they have received.
- Users can view their list of followers
- Users can view the list of users they follow
- Users can send and view messages from other users
- Admins can view user list
- Admins can delete accounts
- Admins can view all recipes and delete recipes
- Admins can promote users to admin with approval of more than half the existing admins

## Add a Recipe Dialog(3)

- Required form fields: recipe name and category, recipe photo, description, necessary ingredients with quantity, number of servings, cooking instructions
- Optional form fields: Additional tips or suggestions
- Admins can import recipes from files

## Edit Profile Dialog (3)

- Users can add or update their notification email and description
- Users can upload their profile photos
- Users can edit their user name

## Password Reset Dialog (4)

- It requires users to input old password for verification
- It requires users to enter new password twice for checking
- If accessed from forgot password link, it does not require the user to verify old password
- Show password strength

## Notifications (7)

- Notifications are sent to the navigation bar and users' email address (if they enable it)
- Users can receive notifications when their recipes are rated/commented on
- Users can receive notifications when their recipes are modified
- Users can receive notifications when the users they follow upload new recipes
- Users can receive notifications when their favourite recipes have been modified
- Users can receive notifications when they are mentioned by others in comments or when someone has replied to their comments
- Users can receive notifications when they receive a message from another user

## Footer (2)

- At the bottom of each page
- Contains links to about us page and feedback form

## About Us Page (1)

- Contains a description of the site and of its creators

## Feedback Form (2)

- Users can send feedback (suggestions/complaints) or questions to admins
- Form with a required field to give feedback or ask a question, an optional name field and an optional email address field if they would like a response