

# CollegeChef

Phase 1

Team 02: Sean Carroll, Tanay Onder, Huimin Cao, Xiaohan Zhou

## 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 app
- Horizontally expanding/collapsible menu containing links to homepage, recipe browser, user page, logout button (hidden if logged out)
- Add a recipe button that links to the add a recipe page
- Notification button to show recent notifications
- Login button that links to the login page (hidden if logged in)
- Sign-up button that links to the sign-up page (hidden if logged in)

## **Sign Up Page (2)**

- Users can create a user account with the website
- Contains form to create an account with required fields for name, username, password, 'repeat password' and an optional email address field

## **Login Page (6)**

- Users can login to their user account
- Contains reCAPTCHA box to confirm user is human
- Contains form to login with one required field for username/email address and one required field for password
- 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

## **Password Reset Page (5)**

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

## **Home Page (8)**

- Search function to search for recipes on left side of homepage
- Lists of recipes on right side of homepage
- Users can view recently viewed recipes (if logged in)
- Users can view newly added recipes
- Users can view most popular recipes (recipes with most comments)

- Users can view recommended recipes (recipes with the highest rates)
- Users can view their favorite recipes (if logged in)
- All recipe lists are expandable and collapsible

## **Search (17)**

- Users can search for recipes that contain only ingredients selected
- Displays a list of ingredients from the ingredient database
- Users can search for ingredients to filter out desired ingredients from the list
- Search bar will suggest closest spelled ingredient as they type
- Users can use keyboard (Up arrow, Down arrow, Enter) to quickly switch between the suggestions and select one to be added
- Added ingredients are pinned
- Ingredient list displays corresponding image for each ingredient
- Clicking on an added ingredient will grey out the ingredient so that it can be re-enabled later
- Users can remove an ingredient by clicking on an X that appears when hovering over the icon
- Users have the option to search directly for recipes by name
- Recipe search results will be overlaid on right side of homepage (replacing recipe lists)
- Users have the option to search by username to find recipes created by that user
- 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 set their “must not have” ingredients to filter out recipes with those ingredients
- “Must not have” ingredients chosen by user can be pinned and remembered for next search
- Users can view a random recipe by clicking the recipe randomizer button
- Users can view their recent searches

## **Search Results (7)**

- Displays list of recipes based on search parameters
- Each recipe in list displays name and image
- Each recipe in list displays expandable short description
- Each recipe in list links to its respective recipe page
- Has a toggle to separate recipes into categories based on type of food
- Sort recipes by name (alphabetical), date added, rating, or number of comments
- Users can close search results to return to default homepage

## **View a Recipe Page (14)**

- Page containing the details of a particular recipe (title, description, ingredients needed, cooking instructions, etc.)
- Displays images of the recipe and ingredients
- 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 comment on, rate and favourite recipes
- Users can reply to others' comments
- Users can upload pictures in comments
- Users can mention/tag other users in comments
- Recipe uploader and admin can edit the recipe
- Other users can edit the recipe if they have the "Editor" role for this recipe
- Displays the user who most recently modified the recipe and the date/time of modification
- Users can follow other users by clicking on their account picture/username
- Admins can edit or delete a recipe

### **Add a Recipe Page (3)**

- Required form fields: recipe name and category, short description, necessary ingredients with quantity, number of servings, cooking instructions with time for each step
- Optional form fields: long description, optional/alternative ingredients with quantity, additional tips/suggestions, recipe images
- Admins can import recipes from files

### **Recipe Browser (7)**

- List of all recipes in database (with a limited number per page)
- Users can browse by first letter of recipe name or by meal type
- Displays name and image for each recipe
- Displays expandable short description for each recipe
- Users can search by recipe name
- Users can search by username
- Users can favourite recipes

### **User Page (12)**

- Users can view recipes that they uploaded
- Users can promote specified users to be “editor” of their recipes so that they can edit them
- 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
- Users can upload a profile picture
- Users can enable/disable email notifications corresponding to items specified in notification section
- Users can add or update their notification email (not the email for login) and username

- Users can update their password and will be taken to the password reset page to do so
- Admins can view user list
- Admins can suspend accounts
- Admins can promote users to admin with approval of more than half the existing admins

## **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 page

## **About Us Page (1)**

- Contains a description of the site and of its creators

## **Feedback Page (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

# Mock-ups

## Home Page

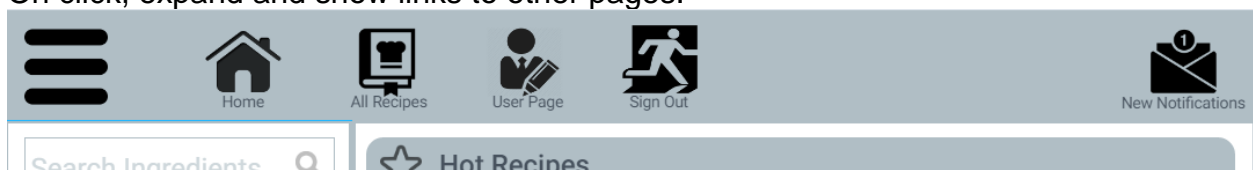


### (1) Login/Sign up vs New Notifications



If logged in, show only  , else show only 

### (2) Menu Bar

On click, expand and show links to other pages:





## Search recipes by ingredients



Enter search word  
“Egg”, it will filter out  
ingredients whose  
name start with the  
input word

Search



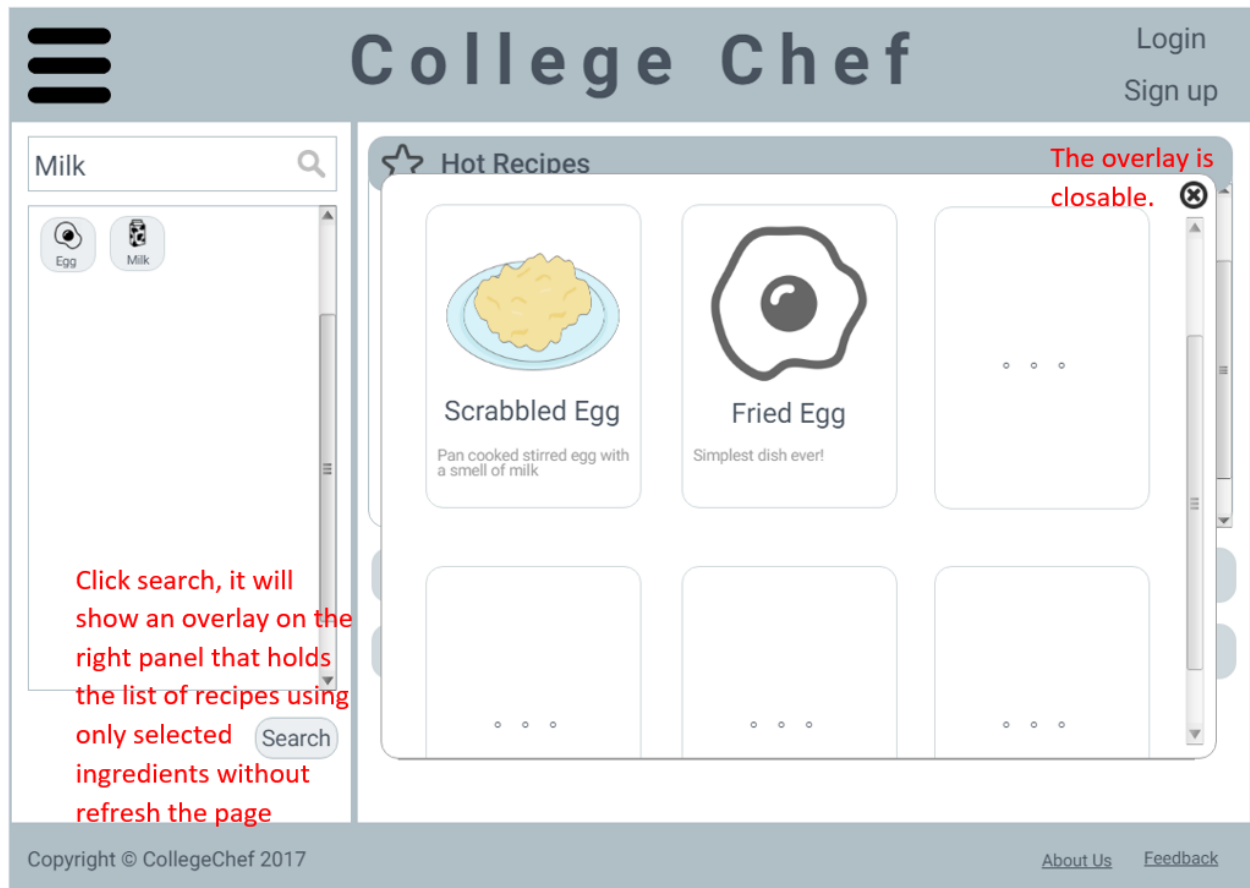
Click ingredient “Egg”  
to select it. It will be  
pinned on the  
beginning of  
ingredients list.

Enter another search  
word, all ingredients  
will be filtered again  
based on the search  
word except the  
pinned(selected)  
ingredients

Search



## Search result overlay



## Recipe details page



College Chef

New Notifications



### Scrabbled Egg

Pan cooked stirred egg with a smell of milk

Category: Breakfast

Rate: ★★★★★

Ingredients:

Egg  
x3

Milk  
1 glass

1 serving

Cooking Instructions:

Uploader: 

1. Beat eggs into bowl
2. Add milk into bowl
3. Stir well
4. Heat pan ..... 30 s
5. Pour mix into the pan
6. Wait until all liquid becomes solid ..... 1 min
7. Serve

Comments:



This is my favorite dish!

★★★★★



Very easy to make



★★★★★



A very healthy breakfast.



★★★★★



Ewwwww, sticky eggs

★☆☆☆☆

Post your thought:

You

Rate the recipe: ☆☆☆☆☆

Type here...

Add photo

Post

Copyright © CollegeChef 2017

[About Us](#) [Feedback](#)