

Project Proposal: Rick's Cooking School

Created by Maria Leichty



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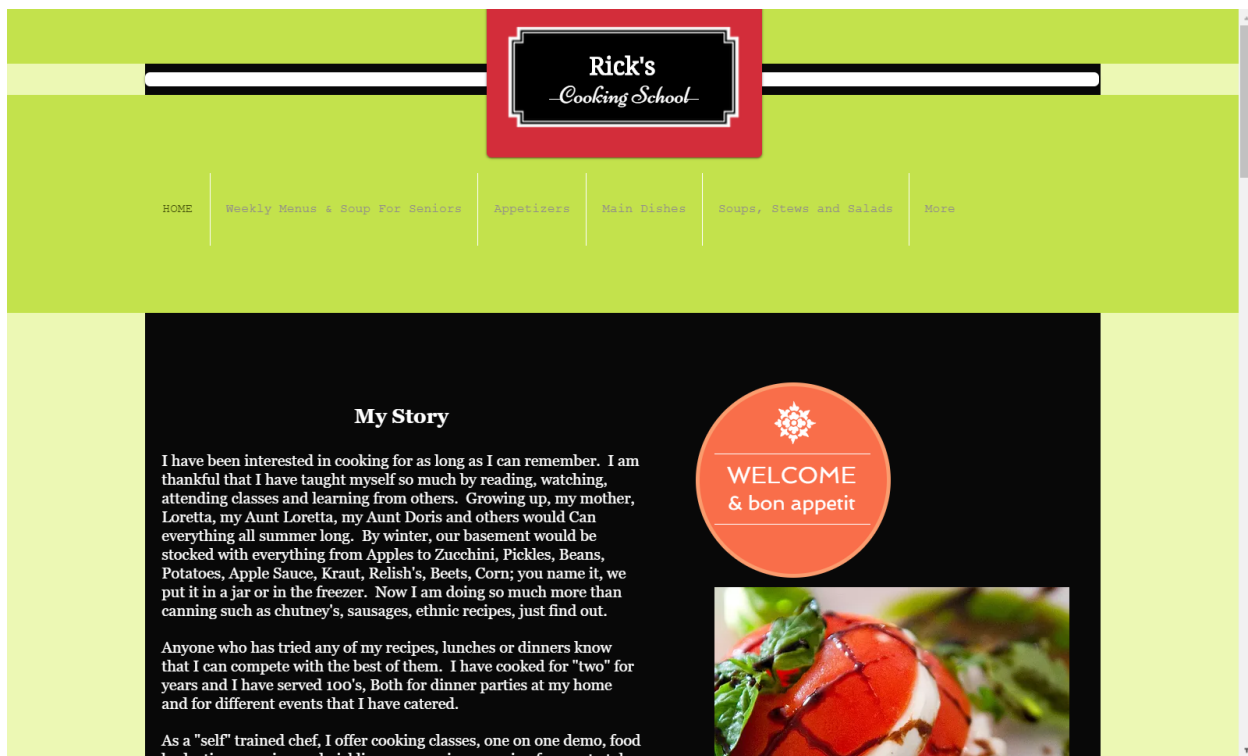
Project Description

Company Name: Rick's Cooking School

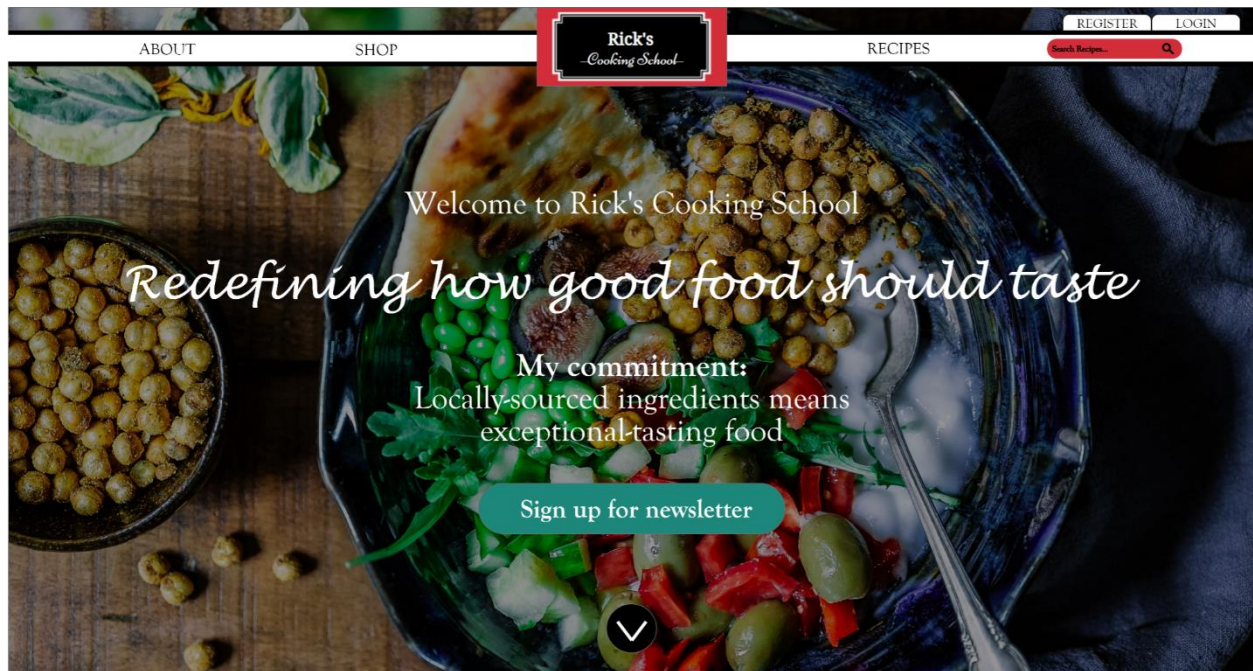
Contact: Rick Whiteman - rickw490@gmail.com

Description: This project will be redesigning Rick's Cooking School's website and creating a database-driven website that has an admin and user interface. The target audience of the website is food lovers. The goal of the website is to create an interactive, vibrant and picture-focused experience for users and also allow for admin capabilities to add and edit data.

Old home page:



New home page:



Functional Specifications

Project Features

- *Add, edit, delete data*- Admins will be able to add recipes, weekly menu items, items for sale, classes and anything else they want to be able to be update regularly. They will also be able to edit or delete any of these.
- *Searching and filtering recipes* - Users can search the recipe database in the navigation bar at the top of every page. They will also be able to filter recipes on the recipe page as well as via the category options.
- *Showing recipe details* - Once a recipe is clicked on, the recipe name, categories, description, image, ingredients and directions will be shown.

- *Admin access* – A user can have admin privileges if given correct privileges in the database.
- *User accounts* – Users will be able to sign up for an account. Their account will allow them to add favorite recipes to a favorites page.
- *Contact form* – Users will be able to send Rick an email with their first name, last name, email address and message in order to contact him.
- *Newsletter sign up* – Users will be able to sign up for a newsletter, without having to create a user account. The emails will be stored in a database where Rick can retrieve them.

Site Map



Design Features

- *General*: Clear cut, boxy designs similar to logo, white background, lots of pictures
- *Colors*: Green - #CFF27D, Blue #1D877B, Red - #D32D39
- *Fonts*: Regular text - Goudy Old Style, Header text - Lucida Handwriting (Italic)

Nav Bar: Similar to a belt, will use belt design for all header sections



Recipe style: picture background with recipe name on top



List style: picture on left with name, price and description on right



Meal Description

\$9.99 | Gluten Free

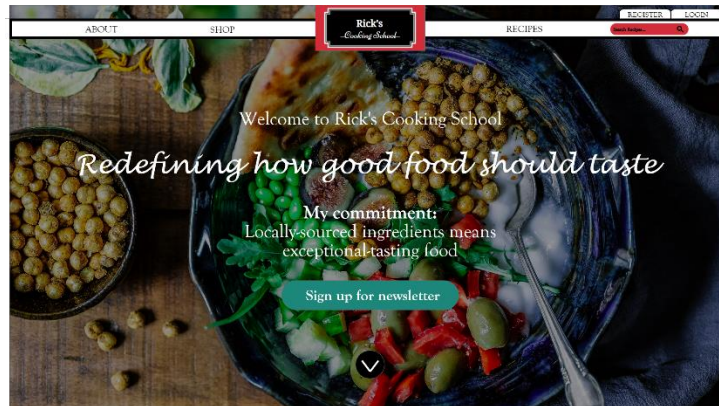
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User Interface

Here is the link for the interactive prototype: <https://xd.adobe.com/view/e1520706-4216-4313-68d1-d2a147357729-9763/?fullscreen>

Links that link within the same page will not be active. On the recipe page, only the first option is linked to the necessary page. (Note that the contact and newsletter links will not go anywhere in the prototype).

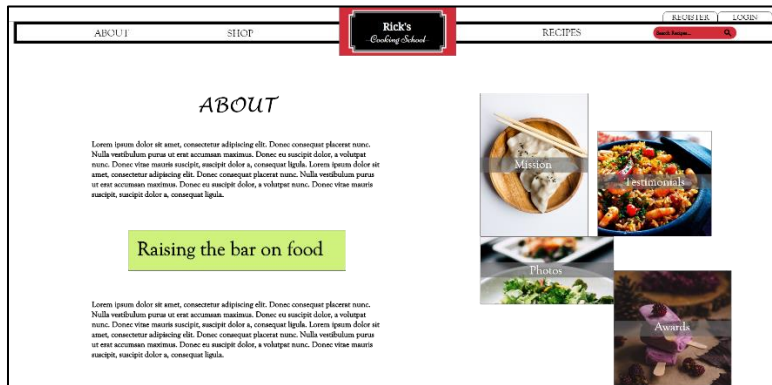
Home Page



Each page will have a navigation bar with an about, recipe, search recipe function, register and login options. These tab options will change based on if a user is logged in or an admin is logged in. If it's a user, a favorites tab will be added instead of register and login will change to logout. If it's an admin, an add item tab will be added instead of register and login will change to logout. There will also be a footer contact section on each page with a contact form, newsletter and links to social media.

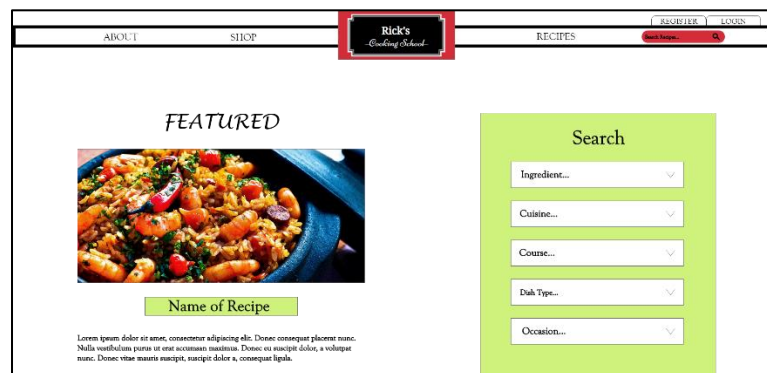
The home page will include a my recipes section and a my journey section. The my recipes section will have the week's menu and the Soup for Seniors menu. The my journey will have a headshot and bio and links to the different sections on the about page.

About Page



The about page will include a description of Rick's Cooking School and what he offers. There will be 4 subsections, my mission, testimonials, photos and awards.

Recipe Page



The recipe page will highlight a featured recipe, an advanced search form as well as sections with popular categories, popular recipes, recent recipes and a browse section. The filter options will be as follows:

- Ingredient list**
- Beans
 - Beef
 - Chicken
 - Eggs
 - Fish
 - Lamb
 - Meatloaf
 - Mushrooms
 - Onions
 - Pasta
 - Pork
 - Potatoes
 - Rice
 - Salmon

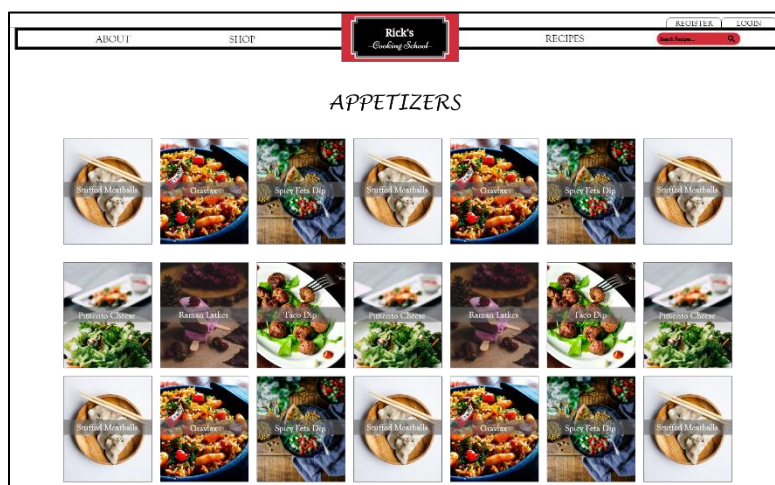
- Cuisine**
- American
 - Chinese
 - French
 - German
 - Indian
 - Italian

- Course**
- Appetizers
 - Breakfast
 - Desserts
 - Dinner
 - Lunch

- Occasion**
- Thanksgiving
 - Dinner for Two
 - Valentine's Day
 - Holidays
 - Quick & Easy
 - Summer
 - Winter

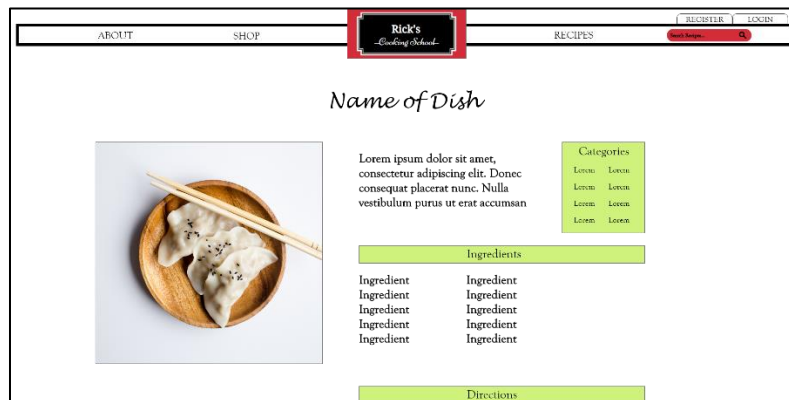
- Dish Type**
- Casserole
 - Dips & Spreads
 - Dressing
 - Grilled
 - Healthier
 - Pasta
 - Rice
 - Salads
 - Sandwiches

Category/Favorites/Search Results Pages



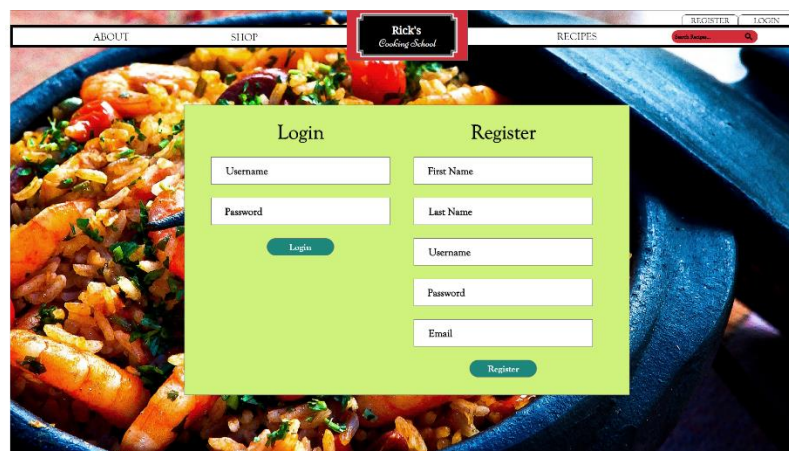
The category page will list the recipes that match the search in a grid format. This will be the same format for the Favorites and Search Results.

Recipe Details Page



The recipe details page will list the information about each recipe, including the name, picture, description, categories that its listed under, ingredient and directions.

Register/login/logout/add Pages



The register and login page layout will be the same design as the logout and add pages. There will be a full-page background picture and the form will be in the center.

Use-case Scenarios

- Susan is craving lasagna. She recently went to an event catered by Rick's Cooking School and heard about his website. She Googles it and on the home page she sees the search recipes bar in the navigation. She types in "lasagna" and sees all the different recipes with lasagna in the name. She clicks on "Rick's Famous Lasagna" and sees the ingredients and directions she'll need to cook it.
- Winston is really in the mood for something with veggies in it. He has tried Rick's Cooking School recipes before and figures he'll try to find a good one there. He goes to the recipe page and sees the search options. He clicks on the ingredients dropdown bar and chooses veggies. He sees all the recipes where veggies is the main ingredient. He then clicks on cabbage rolls and finds everything he needs to cook to his veggie delight.
- Nina wants to cook something but doesn't know what. She is browsing different recipe sites when she lands on Rick's Cooking School. She goes to the recipe page and sees the popular recipe list. She clicks on a few different options before she lands on Chicken Alfredo.
- Jack heard about Rick's Cooking School from one of his employees. He wants an event catered and wants to contact Rick but doesn't have his info. He looks up his website and sees the contact section at the bottom. He sends his questions to Rick and Rick responds by the next day.

Technical Specifications

Languages in use

- PHP, MariaDB, jQuery, AJAX, HTML, CSS/SASS

Database Tables

These are the tables that will be storing information.

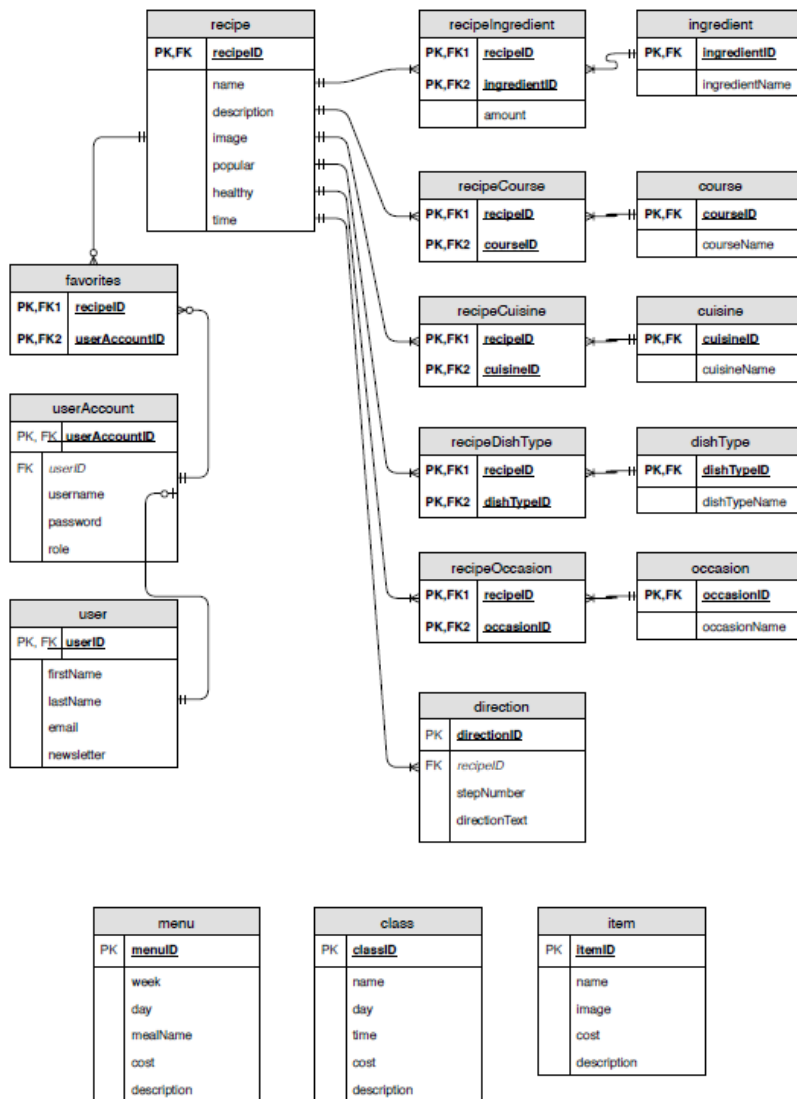
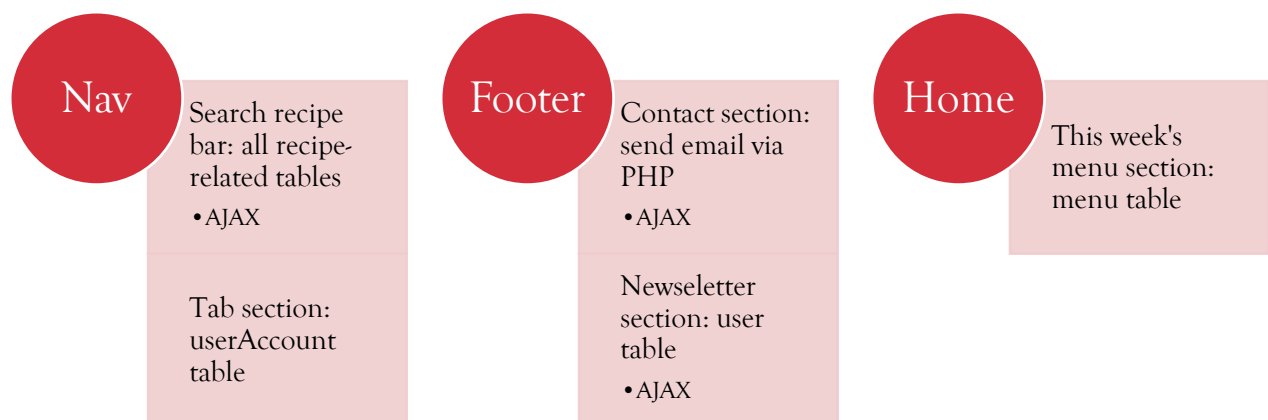


Table Details

- *recipe*: This table will hold the information about a specific recipe. This information will be called for the recipe detail page. The image and recipe name will be called in the recipe, category and search result page.
- *ingredient, course, cuisine, dishType, occasion, direction*: The first five tables will be related to the recipe table through a concatenated primary key in the tables called *recipeIngredient, recipeCourse, etc.* They will have the categories listed in the searching and filtering recipes section above. They will be called in the search and filter sections as well as in the categories section of the recipe detail page. The direction table will be called in the recipe detail page that will allow the steps to be displayed by their step number.
- *user*: This table will be called in the newsletter sign up section. This is separate from the *userAccount* table because users can sign up for the newsletter without having to create an account.
- *userAccount*: This table will be called in the login page.
- *favorites*: This table will be called in the favorites page.
- *menu*: This table will be called in this week's menu section of the home page.
- *item*: These tables will be called in the Soup for Senior's section of the home page.

How PHP & SQL supports each page



Login

Login form:
userAccount table

Add

Add form:
recipe-related,
menu, item,
class tables

Favorites

Favorite list:
userAccount and
favorites tables

Recipes

Featured section:
recipe table

Search form: all
recipe-related
tables
•AJAX

Popular
categories: most
recipe-related
tables

Popular recipes:
call recipe table

Category

Category list:
recipe and
clicked category
table

Details

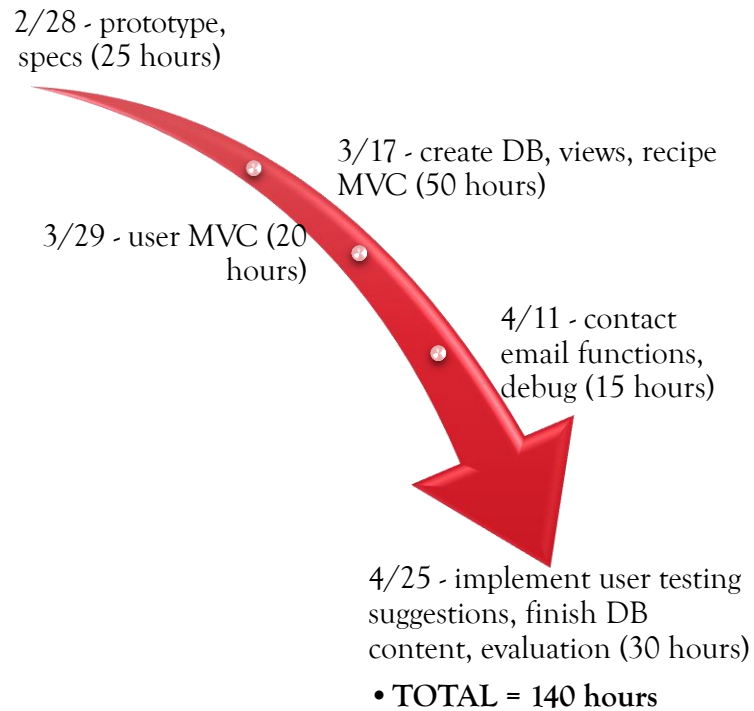
Recipe Details:
all recipe-related
tables

Overall Architecture

- model
 - Recipe_model
 - User_model
- views
 - home
 - about
 - recipe
 - recipeCat
 - recipeDet
 - searchRes
 - login
 - logout
 - add
 - favs
- controller
 - Recipe_controller
 - Recipe
 - User_controller
 - User
- assets
 - images (folder)
 - fonts (folder)
- lib
 - jQuery
- css
 - styles.css
- sass
 - components...

Resource Projection

Estimated



Evaluation

Usability Testing

Scenario 1: Adding recipe to favorites

Steps:

1. Click register in top menu
2. Fill out register form on register page
3. Click register
4. Go to recipes page
5. Click on a recipe
6. Choose Add to favorites

Scenario 2: Admin adding a recipe

Steps:

1. Click login in top menu
2. Fill out login credentials on login page
3. Click login
4. Click Add recipe on top menu
5. Fill out Add recipe form
6. Click Add recipe

Scenario 3: Searching for chicken soup

Steps:

1. Click on the search bar in the top menu
2. Type in chicken soup
3. Click on most intriguing chicken soup option

Scenario 4: Browsing summer recipes

Steps:

1. Click on recipes in the top menu
2. Click in the occasion dropdown box
3. Click summer

Scenario 5: Signing up for newsletter

Steps:

1. Click on sign up for newsletter on home page
2. Fill out newsletter form
3. Click sign up
4. Check email for verification message