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Project: The cook-book – Web App

## **Project Description**

This is a web cookbook that has different ways to cook a particular dish. You can search by countries or type etc. it will also be interactive where users can share experience and comments if they tried the recipes. Also, they can share their own different ways of making that same dish and they can add the dish to the web only if it has been approved and videos of the making of the dish will be attached as well for user to use as reference. Most online cookbooks contains just recipes and pictures but with this web app it will come with more in depth options to learn how to cook a particular dish in different ways. It’s a free app but we also offer hands on experience for a fee for users who needs more help.

## **Project Scope**

**Problem the application solves and who will use it:**

This is a cookbook website where different international dishes can be found. With most cookbooks you can find only a certain type of dish and they all say the recipe is good until you try it and its not. With tis cookbook people from all over the world looking for related recipes get to share different ways to cook a certain dish and people get to comment if it’s as good. Also, the cookbook is not limited to only certain type of dishes all culture type both basic and chef level will be included so even if you are a beginner cook or a pro cook you all get to use the web app. It’s a free app but we also offer hands on experience for a fee for users who needs more help.

**Include sample data for your collection (if using data such as invoices, media items, products etc.).**

Search by category

Recipes

Videos

Comments

favorites

## **Core functionality**

Main Collection - CRUD including categories. (Choose one of the following):

* physical or digital products (books, ecommerce store items, media)
  + list the items:­­­­­­­­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* recipes
* video instructions
* Search category
* comments
* game items
* surveys
* flash cards
* budget/finance
  + list the type of budget/finance items:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* appointments scheduler (simple define availability and book appointment)
* event manager (date/time/location for events), clubs
* project manager (tasks to be completed, subtasks, prioritization, lists, documents, projects)
* health metrics
  + list the metrics:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* workouts/exercises (a workout is a collection of exercises)
  + list the exercises and what will be tracked:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* food and nutrition
  + list what will be tracked:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* other (please specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Ecommerce (buy/sell, retail/Kijiji ) Applications must have the following:

* customers must be able to access their order history, filtered by date
* sellers must be able to access reports for products sold, filtered by date and product

## Extend functionality (choose 2). Must be different than core functionality.

* discussion forums
* messaging (user-to-user and/or user-to-admin, admin-to-user)
* comments/ratings/favourites (choose ONE from below, not both)
  + item/product comments (allow edit/delete/flag comments)
  + ratings and favourites (must do both)
* event manager (date/time/location)
  + must include CRUD for events
* appointment booking
* shopping cart and payment processing
  + allow multiple quantities, (increase, decrease quantity in cart), calculate tax
  + shopping cart MUST have a payment processor as well
* AI or ML (most collections will NOT have this).
  + List any AI or ML: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + Note: you will need to describe the AI or ML algorithm in the proposal
  + Examples:
    - a game learns better strategies based on game play
    - an app that suggests other products based on user’s previously selected products

## Users

**Specify 2 user roles**, not including "public" (typically user and admin but not always)

Roles must have different, non-trivial functionality that is not repetitive of other roles. For instance, user searches for items, maintains favourites list, and admin has access to reports of most popular items across all users, and site usage metrics

One role must have CRUD over the base collection.

* User: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + CRUD over base collection? Yes/No
  + Functionality: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + must have a user profile (editable)
* Admin or other role (Manager, Business owner, etc, depending on the model):
  + CRUD over base collection? Yes/No
  + must have a user profile (editable)
  + Admin Functionality - for eCommerce projects, the seller reports/charts satisfies this requirement:
    - generate list of main collection items filter by time period, filter by item:
      * include amount sold/traded/used/viewed or other applicable metrics
      * include charts
  + for buy/sell/trade models where the buyer is also the seller or other similar model where the user can have multiple roles, a 2nd role must be developed with different functionality such as an Admin that has site level content management (changes banner, announcements, etc).

## Additional Required functionality (all required)

Base collection navigation/search/filter. Although this project is a protype, it must be developed to be able to scale to thousands of records and users.

* search on any field
* search on ranges where applicable
* search returned should be displayed as a table/grid where appropriate
* pagination
* multiple filters

## **Functionality Chart**

|  |  |  |  |
| --- | --- | --- | --- |
| Feature | Guest user | Member role | Admin role |
| Create account |  | x |  |
| Search filters on app | x | x |  |
| Submit request for instruction on recipes to be added or removed. |  | x |  |
| Update/Delete recipes |  | X | x |
| Approve recipes request to be added |  |  | x |
| Like/Comment on recipes |  | x |  |
| Register for in-person learning |  | x |  |

**TABLE 1- FUNCTIONALITY CHART**

1. **Screen Mock-Ups**

A picture containing graphical user interface

Description automatically generated**Fig1- Welcome page**

* Welcome page for unregistered users and registered users who are not logged in.
* Has option for new users to sign up and existing users to sign in.

Graphical user interface, application

Description automatically generated**Fig2-Logged in user**

* The home page of a logged in registered user
* Provides additional features than the original home page.
* The link to log out of the account and request a recipe to be added

A picture containing timeline

Description automatically generated**Fig3-****Sign in page1**

* This page askes users are they are to login as. If they are staff, they login as staff which takes him to the staff login page or for members users takes them to users login page.

Chart

Description automatically generated with medium confidence**Fig4-** **Sign in page2**

* The login page allows registered users to access their account using their name and the password.

Chart

Description automatically generated**Fig5- Sign up page**

* Page that allows non-registered users to create an account with some required fields such as name, an email and phone number linked with the account and a password.

A picture containing chart

Description automatically generated**Fig6- Sign in page for staff**

* This is the page for staff to login. They are given an ID to access the staff page.

A menu for a restaurant

Description automatically generated with low confidence**Fig7-Selected food category for unregistered user**

* This page is the page that pops up after an unregistered user selects a food category. This page for example is after the customer clicked the healthy category from the main home page.

A menu for a restaurant

Description automatically generated with low confidence**Fig8- Selected food category for registered user**

* This page is the page that pops up after a registered user selects a food category. This page for example is after the customer clicked the healthy category from the main home page.

Graphical user interface

Description automatically generated**Fig9-Staff update/edit page**

* This page is for Staffs to updates recipes or delete incorrect recipes and to also delete inappropriate comments.

Graphical user interface, website

Description automatically generated**Fig10-unregistered user selected recipe page**

* When an unregistered customer searches for recipes this this is how it appears
* They can’t like and comment on the recipes if they try the pop up to create an account will show but they can see the comments on recipes.

Graphical user interface

Description automatically generated**Fig11- unregistered user selected recipe page**

* When a registered customer searches for recipes this this is how it appears
* They can like and comment on the recipes if they want to.
* They can also watch attached videos to the recipe.

A picture containing graphical user interface

Description automatically generated**Fig12-Staff page after login**

* This is the first page that shows up when his staff logs in and they can't click on any of the features, and it takes them to the appropriate page.

Graphical user interface

Description automatically generated with low confidence**Fig13-In-person registration form**

* This is an in-person registration form page where users who are looking to get in person knowledge based on our recipes in the cookbook can fill out this registration choose the length they want to learn for and make payments using a payment platform

Table

Description automatically generated**Fig14-Payment review**

* This page is for the staff to review payments made by users and if the payment has been received, they update the payment status and the details of customers payments are on this page

Table

Description automatically generated with low confidence**Fig15-Recipie Request**

* This page is for staff to review recipe request from registered users.

A picture containing shape

Description automatically generated**Fig16-Search bar**

* This is the section that users can search using different filters. They can search by country dinner baking or healthy

1. **DATABASE SCHEMA**

**Diagram

Description automatically generatedFig17- Database Schema**

1. **TEST PLAN**

**Test to Pass**

* View posts as a guest user / without being logged in.
* Create account.
* Login as a registered account.
* Leave a comment on a post.
* Like a post
* Create a request for a new/update recipe.
* Search for recipes using search bar.
* Filter the search recipes.
* Review post submissions as admin
* Filter the search by selecting a specific category.
* Delete comments as admin
* Login as admin

**Test to Fail**

* Attempt to login without registered name or password.
* Attempt to like and comment on a recipe without being a registered user.
* Try to submit a recipe request without being logged in.
* Try to delete a comment as an unregistered user
* Attempt to register for in-person class with out being a registered user
* Attempt to sign in as a staff without special assigned ID
* Attempt to create multiple accounts with one email.

1. **PROJECT PLAN**

**Plan to finish early**

|  |  |
| --- | --- |
| **Week #** | **Description** |
| **Week 0** | Set up Environment and required technologies.  Create and setup database needed  Create interface for home screen, login page and create an account page.  Test account creation and login, and guest user access to home page without login.  Relate all created pages to allow navigation of each part of the app. |
| **Week 1**  Sep 7 - 11 | Write code to allow user submissions for new recipe requests.  Add recipes to the app the ingredients and media |
| **Week 2**  Sep 12 - 18 | Develop the search screen and bring back search results.  Write code to allow filtering search using drop-down criteria |
| **Week 3**  Sep 19 - 25 | Write code to allow Staff see recipe requests.  Writ code to allow staff edit recipe and delete inappropriate recipe. |
| **Week 4**  Sep 26 - Oct 2 | Deploy to host. |
| **Week 5**  Oct 3 - 9 | Develop page for in person registration and allow staff to see users registration. |
| **Week 6**  Oct 10 - 16 | Write code to allow liking and commenting on recipes. |
| **Week 7**  Oct 17 - 23 | Add extras like daily meal timetable for registered users |
| **Week 8**  Oct 24 - 30 | Implement app top searches. |
| **Week 9**  Oct 31 – Nov 6 | Work on tasks behind schedule.  Add finishing touches to the interface. |
| **Week 10**  Nov 7 - 13 | Address issues found during testing. |
| **Week 11**  Nov 14 - 20 | Add last development to the app. |
| **Week 12**  Nov 21 - 27 | Work on video presentation and report. |
| **Week 13**  Nov 28 – Dec 5 | Finalize presentation and report. |
| **Week 14**  Dec 6 - 11 | Final presentation and project completion. |

**TABLE 2-Project Plan**