

College Cookbook High Fidelity Prototype Description

College Cookbook Link:

<http://bengal.missouri.edu/~jrs43b/pss/cc/>

Try it out by entering the word “cashews” in the search bar.

Clicking on “cashews” will search for all of our recipes that feature cashews as an ingredient. Clicking those recipes shows you how they are made, step-by-step.

Features and Functions:

The College Cookbook PSS is designed to

- 1) assist users in selecting a recipe by searching by key ingredient, then filtering the results by time required to prepare and/or cost,
- 2) assist users to access recipes once selected, and
- 3) assist users to prepare a recipe by providing visual images of the recipe steps and clearly worded text along with embedded links to videos and more detailed instructions for help with cooking terms that may be unfamiliar to novice cooks.

This PSS is designed for novice cooks who are learning cooking terms and techniques. It is primarily geared toward teens and young adults (ages 15 to 25), but could also be useful for others unfamiliar with cooking terms or people who prefer visual explanations to written explanations while cooking. It is suggested that users have access to a laptop (or mobile device once final production is complete) while cooking to maximize the effectiveness of the “just in time” support.

Performance Objectives

1. Using the College Cookbook PSS, users will access recipes instantaneously (within the normal time their system takes to navigate from one web page to another) by clicking on a main ingredient, selected course, level of expense, or amount of time required to prepare.

2. Using the College Cookbook PSS, users will be able to instantly (within the normal time their system takes to navigate from one web page to another) access pop up explanations for cooking terms (including images to clarify explanations) while preparing and/or pre viewing recipes by clicking on the links embedded in the recipe on cooking terms.
3. Users will also have access to in-depth community feedback, including recipe changes, tips, and tricks.
4. Using the College Cookbook PSS, users will be able to prepare recipes within 5 to 10 minutes of the stated time required for each recipe by following the step by step instructions and images contained in the recipes.

Technology Tools Used for Development

College Cookbook is a web application built using HTML5, CSS3, and JavaScript. HTML5 was used for the structure and multimedia elements, CSS3 was used for styling, and JavaScript was used to control the searching, storage, and behavior of the application. The app was coded from scratch in Programmer's Notepad. General functionality was implemented using the jQuery library. Photoshop was used to edit some of the images and to create thumbnails.

Features Left Unimplemented

1) Mobile Device Functionality

For the purpose of this project, the mobile functionality of the app will not be developed, but will be planned for development at a later date. The reason for this is a combination of limited time and experience in creating mobile applications. Both team members plan on taking the mobile apps development course in the fall semester of 2012, at which time the College Cookbook may be fully developed as a mobile application.

2) Novice User Supports

At this time, the development of the user supports (embedded video files, etc.) is still in progress. We expect to have the supports functional by the time the final submission is due. The reason for the delay is that we have experienced some setbacks in our testing and are in the process of fixing code that is not performing as planned.

3) Community Functions

Without access to a free asp.net provider, we do not have a cost effective way to provide our users with access to implementatin of community functions such as recipe commenting and suggested variations. Examples of how these features would work are included in the PSS in the form of visible links and small icon buttons next to recipe steps, but users cannot actually submit suggestions or recipe variations at this time.

4) Some Search Functions

The search functions for time required and cost are functional, but without a large pool of recipes in the system, there is not much for them to filter. They work to narrow down the recipe options by cost or time once a key ingredient has been chosen and recipes displayed. Search by ingredient is fully functional, but will continue to be expanded as we add additional recipes. (Try "cashews" as the search term to access a recipe.)