

MICHIGAN STATE
UNIVERSITY

Project Plan

Guided Cooking and Recipe App

The Capstone Experience

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From Students...
...to Professionals

Project Overview

- Web Application
 - Searches recipe database
 - Add recipes to personalized account
 - Ingredients list, preparation guide, and cooking instructions
 - Shopping list
- Administrative Interface
 - Admins can modify database fields
 - Modify recipes
- Recipe Database
 - Stores recipes



Functional Specifications

- Find A Recipe
 - Search bar
 - Categorize
 - Top Rated
- Modify Recipe
 - Adjust instruction, items, and preparation
- Upload Recipe
 - Add own recipes to personal account



Functional Specifications

- Shopping List
 - Add and remove
 - Edit quantities
- Administrative View
 - Add and remove recipes
 - Change instructions
 - Modify ingredients

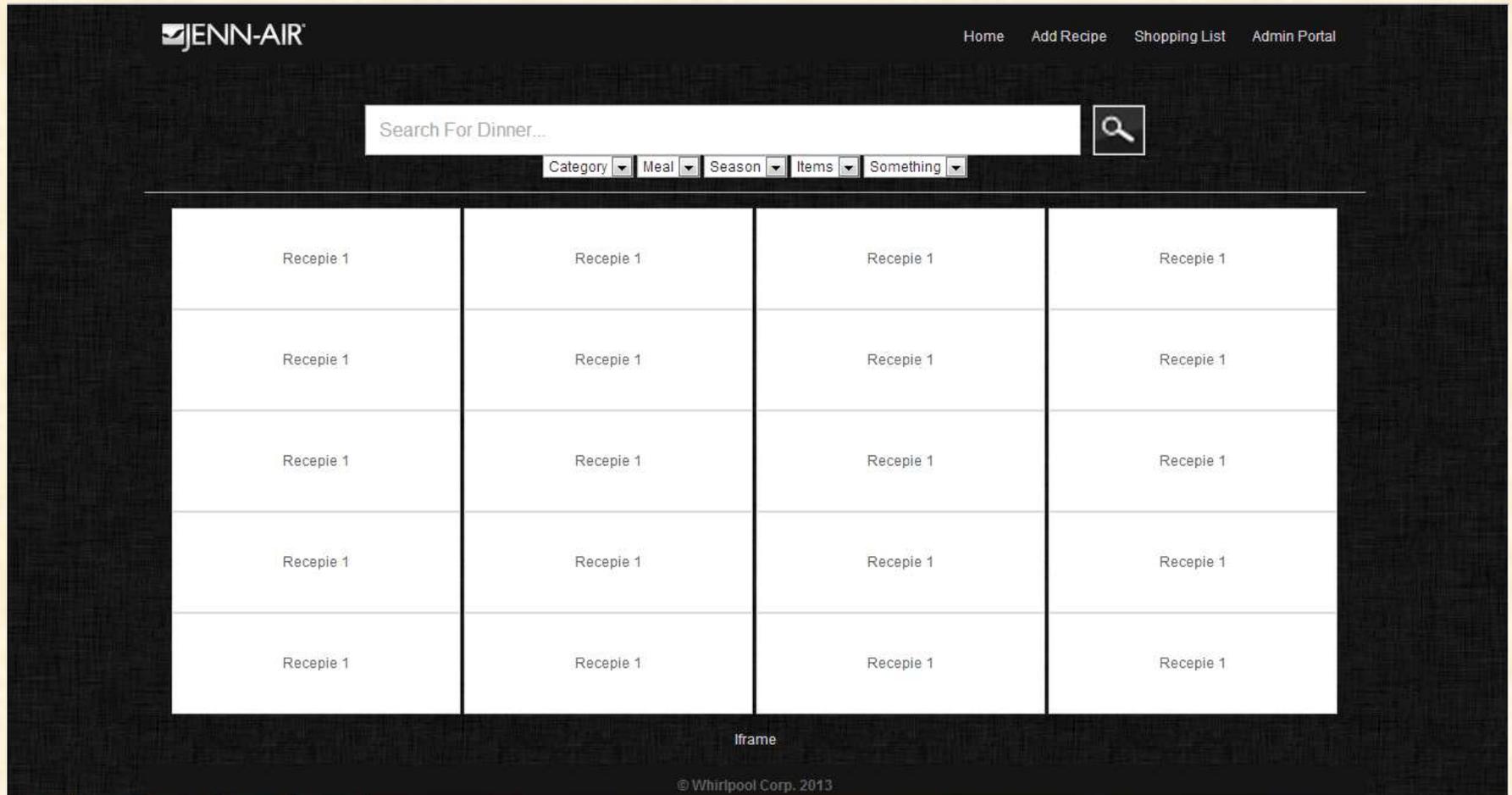


Design Specifications

- Display and search recipes
- Add and edit recipes
- Provide ingredients and instructions
- Upload recipes of your own
- Modify ingredients in existing recipes
- Shopping list
- Oven Interaction



Screen Mockup: Home Page



Screen Mockup: Recipe

JENN-AIR

Home Add Recipe Shopping List Admin Portal

Recipe Name

Recipe Description

Cooking Time

Oven Temp

Probe Temp

Oven Power

Something

Something

Something

Reset

Add To Account

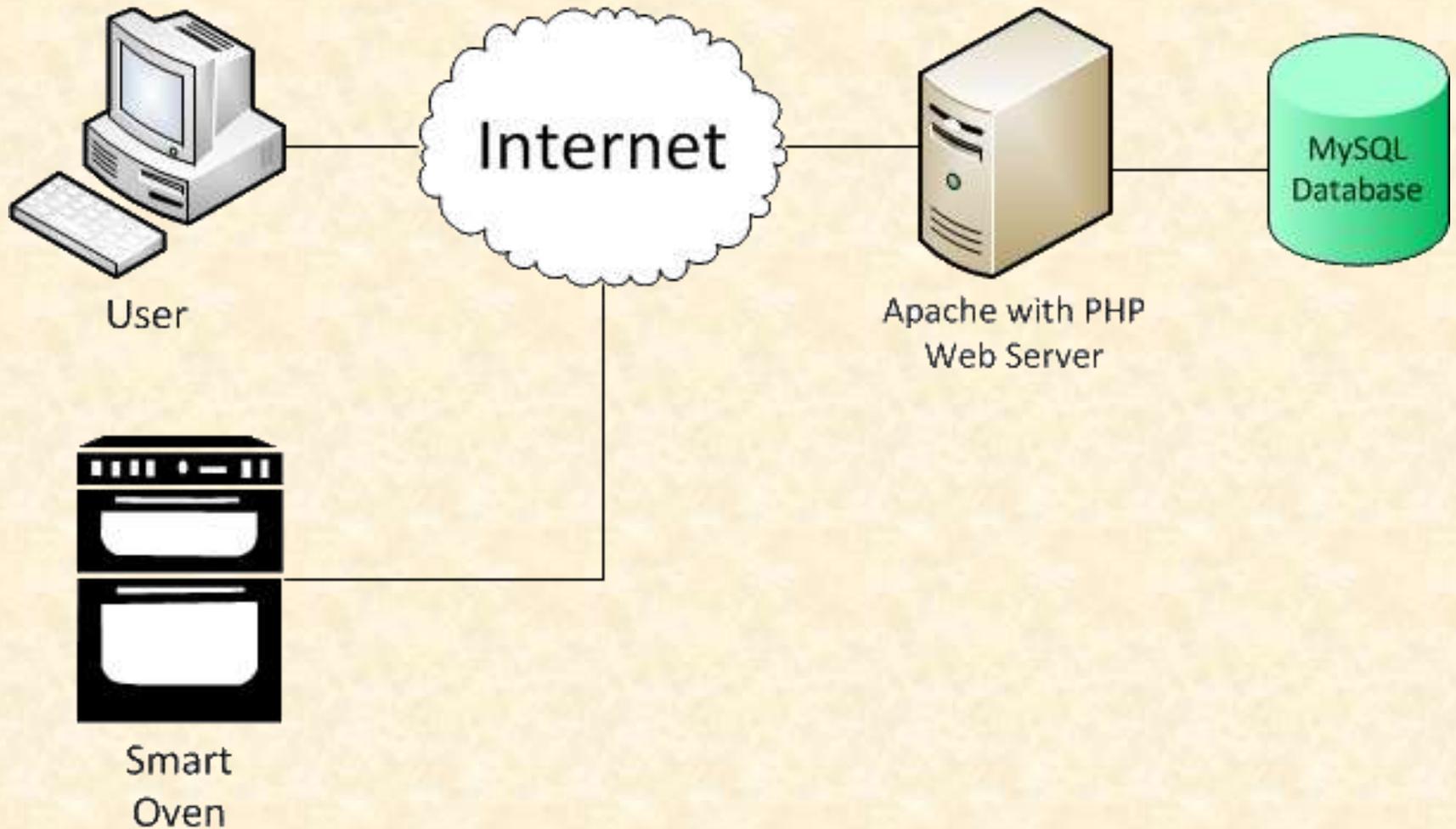


Technical Specifications

- Web App
 - PHP, HTML5, CSS3, jQuery, Javascript
 - Package oven instructions in XML file
- Database
 - MySQL
 - SQLite
 - Apache host



System Architecture



System Components

- Hardware Platforms
 - Web Server
 - Any PC/Mac with internet access
 - Possibly mobile devices
- Software Platforms and Technologies
 - Web App: PHP, HTML5, CSS3, jQuery, Javascript
 - Web Server: Windows 7, Apache, MySQL, SQLite



Testing

- Test in different browsers and on mobile devices
- Have preliminary tests with a small subset of data
- Have clients use the web applications from their own machines
 - Observe how they use it
 - Ask questions about what they like/don't like



Risks

- Risk 1
 - Limited or no knowledge of some technologies
 - Google, Textbooks, Example Code
- Risk 2
 - Packaging oven instructions
 - Build/Test, XML examples
- Risk 3
 - Converting database from SQLite to MySQL
- Risk 4
 - Mapping outside recipes to our database
 - Try pulling variables from websites, example code

