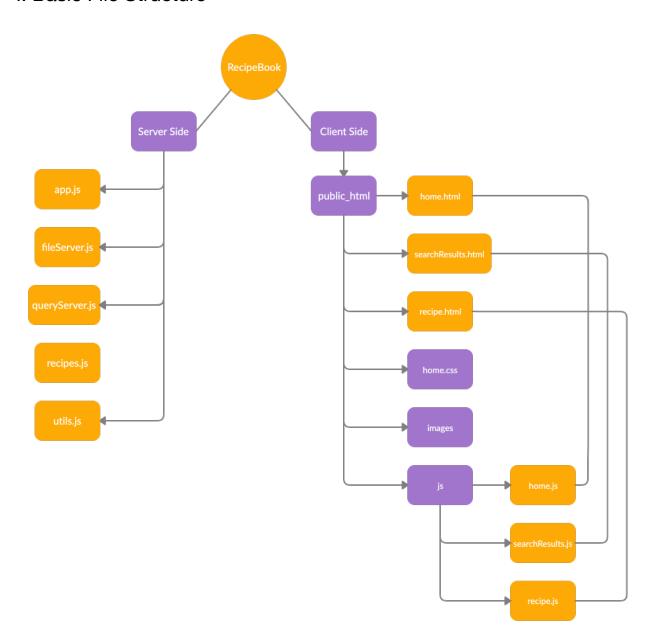
RecipeBook - Revised Design Document

Ella Chang, Eudora Liu, Maggie Sellers

I. Basic File Structure



II. Server Side

- app.js (same as what we did in class)
- fileServer.js (same as what we did in class)

queryServer.js

• processQuery (query, res)

• Process query requests "AllRecipes", "LoadRecipe", and "Search" accordingly.

allRecipes (res)

- Process the "AllRecipes" request.
- Return an array containing all recipe objects in database.

loadRecipe (query, res)

- · Process the "LoadRecipe" request.
- · Return one recipe object that will be loaded on the client side.

doSearch (query, res)

- Process the "Search" request.
- Perform a search algorithm.
- Return an array containing recipe objects matching user specifications.

recipes.js

var Recipes

- An array containing all recipe objects in the database.
- utils.js (same as what we did in class)

III. Client Side

home.js

displayRecipes ()

• Send the "AllRecipes" request to load all recipes on the home page.

loadRecipes ()

- The onload event-handler for displayRecipes ().
- Loop through the array sent from the server and append the contained recipes to the home page.

loadRecipe (e)

- The "click" event-handler for a recipe title.
- The input value "e" represents the event that triggered this event-handler function.
- Send the "LoadRecipe" request to load a specific recipe.
- Store the recipe object returned from the server in a localStorage item.
- Redirect to recipe.html.

goSearch ()

- The "click" event-handler for the "Go" button on the home page.
- Send the "Search" request along with an object constructed based on user specifications of the keyword and the drop-down filter menu values.

loadSearch()

- The onload event-handler for goSearch ().
- Store the array of matching recipe objects returned from the server in a localStorage item.
- · Redirect to searchResults.html.

searchResults.js

var results

 Retrieve, parse, and store the localStorage item containing the array of matching recipe objects.

loadResults ()

 Loop through the "results" array and append the contained recipes to the search results page.

loadRecipe (e)

• The "click" event-handler for a recipe title.

- The input value "e" represents the event that triggered this event-handler function.
- Send the "LoadRecipe" request to load a specific recipe.
- Store the recipe object returned from the server in a localStorage item.
- Redirect to recipe.html.

• recipe.js

var recipe

• Retrieve, parse, and store the localStorage item containing the recipe object that needs to be displayed.

loadRecipePage ()

• Go through the attributes of the "recipe" object and append content accordingly to the recipe page.