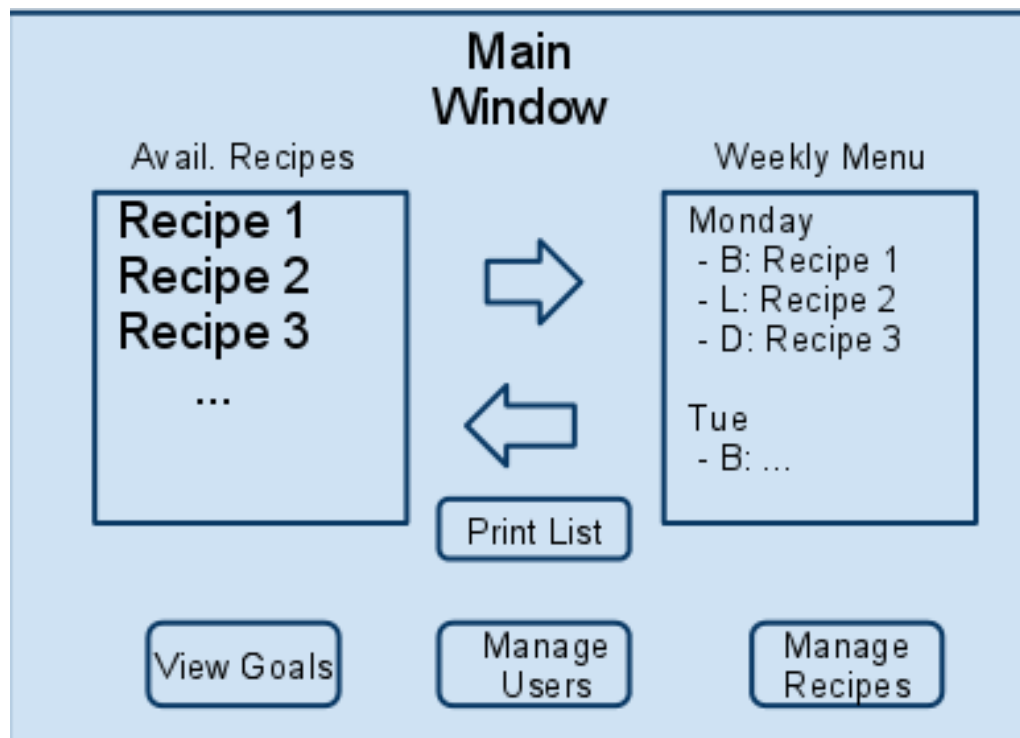


Implementation Plan

Phase 1: Working GUI :: 3 days

- Main GUI class (the “frame”)
- Main GUI class panels:
 - Recipe Panel - displays the list of recipes
 - Menu Panel - displays the weekly menu list
 - AddRemovePanel - displays buttons for adding and removing recipes from the weekly menu
 - Button Panel - holds buttons for:
 - View Goals
 - Manage Users
 - Manage Recipes
 - Print List
- Necessary “data type” classes:
 - RecipeBox
 - MenuList
 - we’ll “fake” data until Phase 3



Phase 2: Users, Recipes, and Goals :: 3 days

- Sub-windows of GUI:

- ~~Manage Users~~ - displays list of users + goals (Ryan)
 - ~~Add/Edit/Delete user~~ -- additional window to modify a User
- ~~Manage Recipes~~ - displays list of recipes (Ryan)
 - ~~Add/Edit/Delete recipe~~ -- additional window to modify a Recipe
 - ~~Where should Rating fit in?~~
- **View Goals** -- just a display
 - **Display goal nutrition totals** (summed from all users)
 - **Display weekly menu nutrition totals** (summed from all meals for week)
- Necessary "data type" classes:
 - ~~UserInfoCollection~~
- Necessary "model" classes:
 - ~~Recipe~~
 - ~~Ingredient~~
 - ~~UserInfo~~
 - ~~Enumerated class to hold nutritional fields?~~

Manage User(s)

User	Calories	Fat	...
John	1500	25	...
Jill	1200	20	...
Totals:		2700	45 ...

Add

Edit

Del

Goal Viewer

Goal

Calories	18,900
Fat	300
Sugar	250
...	

Actual

Calories	17,850
Fat	285
Sugar	220
...	

Edit Goals

Phase 3: Saving, Calculating, and Printing :: 3 days

- ~~User and Recipe File I/O:~~

- ~~Saving Users and Recipes~~
- ~~Loading those saved objects~~
- ~~These classes should implement Serializable interface~~
- **Algorithms needed:**
 - Scaling algorithm to fit weekly meals to nutritional goals
 - calculation algorithms for ingredient quantities?
- **Printing:**
 - Organize and print Ingredients from Recipes in MenuList
 - Organize and Print individual Recipe
 - Print preview?

Print shopping list example:

Print Options

Review your shopping list before printing. Click Cancel to add or delete items.

Cancel Print

My Shopping List

Tuesday, April 12, 2011

Recipes

Kitchen Approved Recipes (ingredients are sorted in Grocery Items below)

Quinoa and Black Beans (10 servings)

Grocery Items

Baking Supplies

☐ 3/4 cup quinoa

Basic Cooking Ingredients

☐ 1 teaspoon vegetable oil

Canned Foods

☐ 2 (15 ounce) cans canned black beans

Frozen Foods

☐ 1 (10 ounce) package frozen corn

Herbs and Spices

☐ 1/4 teaspoon cayenne pepper ☐ 1 teaspoon ground cumin

☐ 1/2 teaspoon salt

Natural/Organic Foods

☐ 1 (14 ounce) can vegetable broth

Produce

☐ 1 bunch cilantro ☐ 3 cloves garlic, whole

☐ 1 onions

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Phase 4: Testing & Polishing :: 3 days

- Make sure everything works
- Add Helpful Hints feature (remember we agreed to these?)
- Create 1-page help document (we agreed to this, too).

- Pretty-ify things (splash screen?)
- Consider additional features if we're done ~~super~~ early
- Cover how we'll demo the app for presentation