

CalTracker

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Implementation Tools

- PHP for HTML on the front-end
- Some JavaScript for extra button functionality
- Bootstrap for advanced CSS styling
- MySQL database for storing data
- Git for version control



Layout of Website

- MealMaker page will serve as “home page”, and display the meal the user is creating along with relevant information like calories of that meal
 - Foods can be removed or cleared from meal here
- CalTracker page will display the list of foods as input by users
 - Foods can be added to a meal with the click of a button
 - Search bar to help find existent foods
- CalTracker will also allow the user to input a new food

ID	Name	Type	Brand	Calories	Fat	Cholesterol	Sodium	Carbs	Protein	Action
1	Apple	Fruit	Fuji	25	10	25	5	15	3	<button>Add</button>
4	Test food	Vegetable	Fuji	50	10	25	12	15	3	<button>Add</button>

- Input form allows the user to enter detailed nutritional info about a certain food item all in one submission form
- Includes:
 - Name
 - Food type
 - Brand
 - Calories
 - Fat
 - Cholesterol
 - Sodium
 - Carbs
 - Protein

Name	Type
<input type="text" value="Enter name"/>	<input style="border: none; border-bottom: 1px solid #ccc;" type="text" value="Fruit"/>
Brand	
<input type="text" value="Enter brand"/>	
Calories	Fat
<input type="text" value="Enter calories"/>	<input type="text" value="Enter fat"/>
Cholesterol	Sodium
<input type="text" value="Enter cholesterol"/>	<input type="text" value="Enter sodium"/>
Carbs	Protein
<input type="text" value="Enter carbs"/>	<input type="text" value="Enter protein"/>

- Basic overview of how the meal builder looks
- Click “add another food” to view a list of available food items (or add your own)
- Click “remove” to remove a food item from a meal
- Click “clear the table” to start over
- The total row is the total calculations for all categories

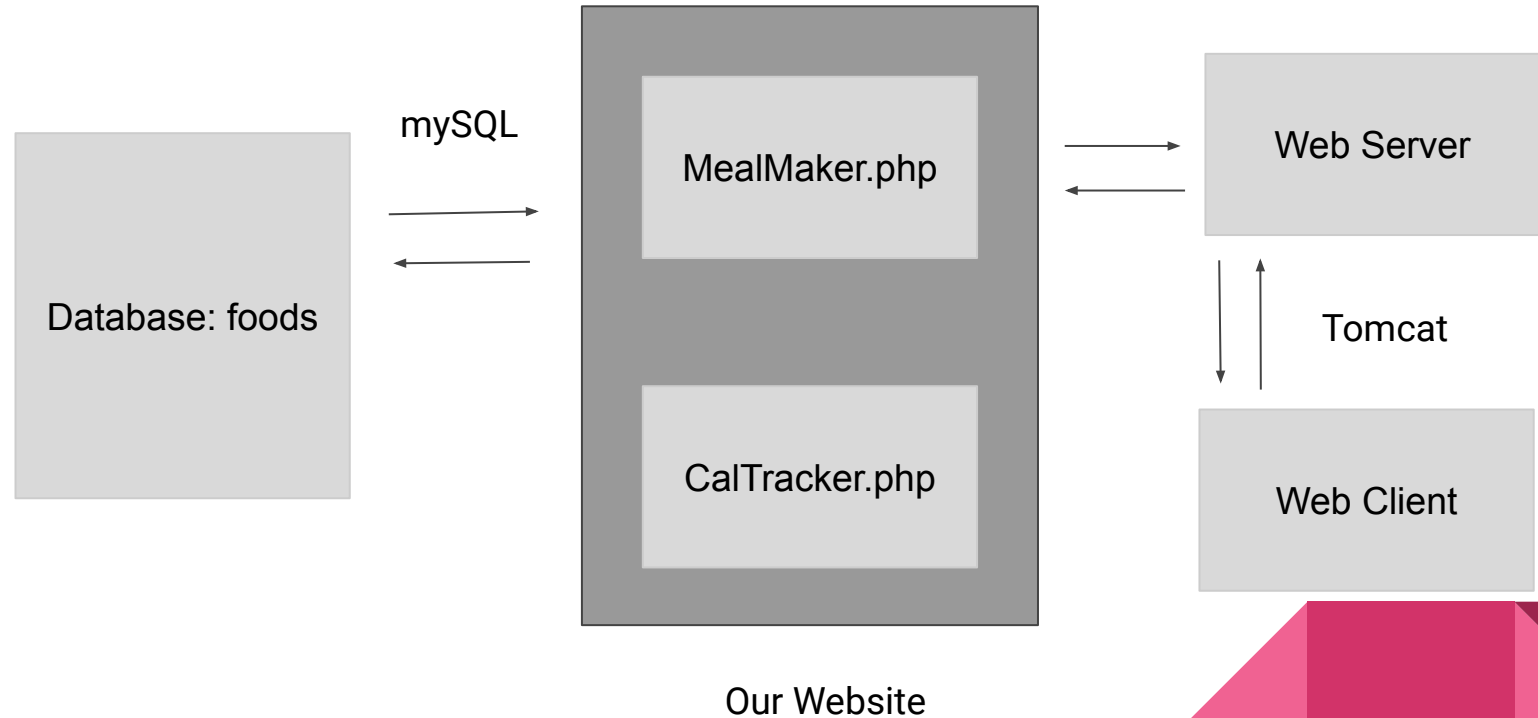
Your Current Meal

Name	Type	Brand	Calories	Fat	Cholesterol	Sodium	Carbs	Protein	
Apple	Fruit	Fuji	25	10	25	5	15	3	<button>Remove</button>
Bread	Grain	Bimbo	20	12	14	17	2	3	<button>Remove</button>
Orange	Fruit	Dole	10	0	0	2	5	3	<button>Remove</button>
Total			55	22	39	24	22	9	

Add another food

Clear the table

System Design



Issues Encountered

- Keeping track of foods picked per user meant we needed some sort of session tracking that needed to be researched/implemented
- Needed to provide expansive enough but also not too overly complex level of food information
 - Need the user to be able to easily input food nutritional info without feeling like we're going overboard -- AKA need to provide at least the essentials
- Want to make sure the design is simple and easy to use as possible, as the main function of the site involves going back and forth repeatedly between pages



Conclusion

- Steady progression and implementation of various ideas
- PHP + MySQL made for a pretty strong base for implementing a simple program and building off of it later
- Implementation technologies work together well for a pretty developer friendly development environment
 - Bootstrap for example helped unify various UI approaches by simply using templates

