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We pledge our honor that we have abided by the Stevens Honor System.

Soduckso Web App

High Level Design

-          Database

-          Search (Home Page)

-          Food Descriptions (search results)

The Database stores each food item. We used PHPmyadmin to create our database, which stores each food as a text description and a date/time stamp, so that the food can be searched by entering the data or a food tag (such as breakfast, or bbq). The database interacts with all other subsystems, and provides relevant data when called upon. This includes receiving search requests and rating changes.

The home page contains the search capabilities of the website. It interacts with the database by pulling food pages from PHPmyadmin via the central search bar. Links to these food pages are then displayed on the page in an orderly fashion. The search results page is also considered to be a part if this subsystem, as it is purely displaying results from the user search. Advanced search is also possible by clicking the link in the top menu. By clicking a button, the user can access advanced search options such as searching for certain tags (which are held in separate data entries within the database). Both search pages also has a navigation bar with links to the home page and the advanced search page.

The food information pages are each stored in the database. They can be accessed by searching for them via the home search page. The pages interact with the search page via a hyperlink, and it is a product of the food item being returned to the home page by the database. This system is basically an extension of the home page/ interface system since it is only displaying data received from the database. It is possible to rate the items on each of their corresponding pages. This rating is based on a scale from 1 to 5 and once entered, the food’s rating is updating after being averaged with the other user ratings. Each item has its own separate page that is linked from the search page or the advanced search page. Additionally these pages each have their own navigation bar with links back to the home page and the advanced search page.

Low Level Design

**Data base**

The database we are using is a PHPmyadmin database. The database holds all of the food items and the item pages hold all the relevant data of that specific food. It also holds the rating for each food item. When a food item is rated, the database updates the rating.

**Search**

Search is an interface that users enter in a tag or food item name which is then used to access data from the database. The search page (home page) returns the hyperlink linking to the item page when a food name is searched and advanced search uses tags to find items and returns a list. The search page then returns the appropriate database entries that correspond to the searched tag(s).

**Food Pages**

The pages are stored in the database. They appear on the search results screen via hyperlink when one of their relevant tags is called using the search bar. Each page is a separate entry in the php server.The rating system accepts a rating from the current user and sends it back to the database, where it is averaged into the community average rating and then redisplayed the next time the page is updated.