

## Model

Get\_Weight(date, username)

Will get the weight for a specific date and username

Get\_Calories(date, username)

Will get the calories for a specific date and username

Get\_Profile(Username)

Will get all the profile information needed to generate the page once logged in (firstname, lastname, gender, age, weight, height) for a specific username.

Get\_Foods(date, username)

Will get all the foods and their info for a specific username and date (Servings, foodname, calories).

Create\_Acc(username, firstname, gender, age, weight, height, email, password, todaysdate)

Will create an account for the user with all their info.

Add\_Weight(weight, todaysdate, Username)

Will add a weight change to the weight table with the current date for a specific user.

Add\_Height(height, Username)

Will update the user's height for a specific user.

Add\_food(food, servings, calories, Username)

Will add a food with its information to the food table with the date for a specific user.

Attempt\_login(username, password)

Will check to see if the hashed password and username(hash1) is the same as the hashed password and username in the users table.

Update\_Name(firstname, lastname)

Update\_Height(Height)

Update\_Goal(Goal)

Update\_CGoal(Calories)

Update\_Wantsto(Decision)

## View

Gen\_Calendar()

Will execute the html css and js that will generate the calendar

Gen\_CalorieGraph()

Will execute the html css and js that will generate the graph for each day of the current week

Gen\_foodlist()

Will execute the html css and js that will generate foodlist for the day selected

Gen\_Profile()

Will execute the html css and js that will generate the users profile

Gen\_Header()

Will execute the html css and js that will generate the header containing Calories this week calories today/ calorie goal and the points for a specific day

Gen\_Nav()

Will execute the html css and js that will generate the navigation bar

Gen\_Login()

Will execute the html css and js that will generate the login page

Gen\_register

Will execute the html css and js that will generate the register page where users can create an account

Gen\_WeightPrompt()

Will execute the html css and js that will generate a prompt every week asking for the weight

Gen\_Info()

Will execute the html css and js that will generate an information page that describes the website

Gen\_lockout()

Will execute the html css and js that will generate the lockout page which will bar the user from attempting to login for 5 minutes after 4 failed login attempts.

## Controller

ConnectDB()

This function will open the connection to the database using the connection string

Todays\_date()

This function will get the current date

Load\_Page()

This function will call all the views to generate the page based on whether the user is logged in or not.

Is\_loggedIn()

This function will check to see if the user is logged in or not.

Get\_DaysofWeek()

This function will use todays\_date() to get the date and determine the date of each day of the week for that week or will check a post variable to get the days of the week for a specific date

Get\_DaysofMonth()

This function will get each day for a certain month and year from a session variable.

Has\_Enough\_Data()

This will check to see if the user has enough data generate the graphs and decide how to generate the graphs.

LoggingIO()

This will log the user in or out.