**Profile**

**createProfile**(Email, userName, Password): User

Create user object

Set email to Email

Set username to userName

Set password to Password

Return user

**editProfile**(displayName, picture, email)

Edit user object

Overwrite the username or email to a new string

Replace current picture

**editAddress**(change string)

Overwrite the current string value

Update user object

**displayProfile()**

When called combine attributes and display them to the user

**deleteProfile**()

Delete the user account and information associated with it

**changePhoto()**

Overwrite the current PNG given with the updated PNG

**removePhoto()**

Remove the current PNG associated with the user profile

**logIn**(username, password)

Get username

Get password

If (username + password entered correctly)

Go to Getter home screen

Else

Allow user to try again

**logOut**()

Log the user out using the user’s profile

**Restaurant**

**description**(pull string)

Pull restaurant description from Google API

Update description on Getter

**address**(pull string)

Pull restaurant address from Google API

Update description on Getter

**getDistance**(compare locations)

Call user location and restaurant location

Calculate the distance between locations

Update distance on Getter

**getDirections**()

Call user location and restaurant location

Redirect user to direction application of choice

Pass the address to the application

**calculateAverageRating**()

If(Getter Rating Quantity > 10)

Calculate Getter Average and Return value

Else

Pull average restaurant rating from Google API

Update average rating

**Filter**

**applyRecommended**()

Call and apply recent restaurant visits

Set distance filter less than 5 miles away

Set rating filter higher than 4 out of 5 stars

Apply filter

**searchByText**(filterString)

Get user-entered string

Filter results by String

Apply filter

**applyPopularFilter**()

Set distance filter less than 10 miles away

Set rating filter higher than 4.5 out of 5 stars

**applyDistanceFilter**(filter int)

Get user entered int

Convert int to miles

Set distance filter to user variables

**applyRatingFilter**(filter int)

Get user entered int

Set rating filter to int out of 5

**combineFilters**(booleans)

If text filter applied is true add to filter

If distance filter applied is true add to filter

If rating filter applied is true add to filter

Update and apply the filter

**Feedback**

**editStarRating**(edit picture)

Update rating out of 5 stars

Save value

**editFeedbackTextbox**(save string)

**submit**(save feedback)

Move user feedback to Getter feedback database

**displayThankYouScreen**(show image)

Show screen thanking the user for feedback

Click the continue button to return to the home screen