**Phase 1**

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Topic

Dating app that incorporates restaurant preferences as a key heuristic for determining compatibility. Since many first dates occur in a restaurant setting, it is important that both parties enjoy the occasion without the undue stress of determining where to go. Since the app automatically matches using food preferences, a location can be agreed upon beforehand to ensure all parties are satisfied with their date arrangement. Users simply enter their personal data, dating preferences, localization information, and can be quickly and easily matched with a partner with similar food interests. By simplifying the first step, users will be more successful in finding a companion.

App Description

A user can create a profile with personal information pertaining to a standard dating application. In addition, they can specify the types of food, restaurants, or arrangements that they prefer the most. When the user goes to search for compatible partners, they can find a sorted list of people with similar food interests. They can then review the personal information of each match and determine their compatibility. If a date is desired, they may initiate contact and view food options that have been selected by both parties. They can then suggest a date at a location where both parties have indicated interest. This process guarantees the most simplicity in searching for and planning a first date over food.

Development

Website will be developed in partitions with each person taking a specific area. This allows for maximum consistency in aesthetic and coding style as well as compatibility. The interaction between various partitions such as frontend and backend will be facilitated by both parties involved to ensure information is passed between them without loss and with appropriate security measures.

Work Allocation

Development of this web app can be divided roughly into four parts, with a lot of flexibility.  
Front end website user interface, usability and graphics

Front end features, maps, user admin  
Back end authentication, security, and data retrieval

Back end searching, messaging, location features

**Plan**

**Frontend**

Login

* Email/Password
* Third party authentication through Github’s OAuth

User Profile

* Personal information to determine dating profile
* Search options and localization to filter relevant searches
* Privacy settings to determine who can access profile

Search

* Filter by localization settings
* Search by food interest and any other criteria
* Return results based on compatibility

Ratings/Comments

* Comment on dating experience

Messaging

* Matched users may send private messages to each other
* Messages are secured and saved between sessions

Map

* Matched users may also view nearby restaurants
* Displayed results filter based on both user’s food preferences

**Backend**

Authenticate

* Create new user and save their personal information
* Verify user information and allow access

Storage

* Persistent user data and options across multiple logins
* Restaurant information
* Ratings and comments for each user

Search

* Access private information when matched with another user
* Access control depending on privacy settings

Messaging

* Messages allowed depending on privacy settings
* Management system allows users to send, save, and delete messages

Map

* Map view depends on location of both users
* Number of results depends on map size

**Admin**

User

* View and modify any user’s data
* Add and update restaurant data
* View overall statistics for all users and restaurants

Messaging

* Moderate communication