Product Requirements Documents

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App Name: FoodFate

Elevator Pitch:

Are you indecisive? Have you ever been stuck trying to figure out what to eat? Whether you're at home, walking, or driving somewhere, our company has found a solution. With our app, we can help indecisive people find appropriate restaurants for them. What makes our app special is that unlike Yelp, we can choose random restaurants for you, and unlike Google Maps, we allow you to draw a specific area to search for food. With our app, we can build profiles that are tailored to our users preferences. It can be used to suggest, find, and rate food in a user-specified zone or, if they're feeling adventurous, we can find a random restaurant fit for them.

User Persona:

- General:
    - Goal: Find a food spot that interests them
    - Motivation: Find a restaurant
    - Frustrations: Not being able to find a restaurant quick
- Food enthusiast:
    - Goal: Find a good restaurant
    - Motivation: Being able to discover restaurants
    - Frustrations: Not being able to find a restaurant that interests them
- Indecisive people:
    - Goal: Choose a restaurant for them
    - Motivation: Picking a restaurant that fits their demands
    - Frustrations: Not being able to choose a restaurant
- Low-spenders:
    - Goal: Finding a cheap restaurant
    - Motivation: Reasonable budget
    - Frustrations: Expensive restaurants
- Hungry people:
    - Goal: Find food quick

- Motivation: Filling their thirst for food
- Frustrations: Not being able to find a restaurant quick

P0	
Use Case 1	Register Account
Actors	User
Pre-Conditions	• User not logged in • Require network connection
Post-Conditions	• User profile is now displayed • Restaurant History available
Error-Condition	• Invalid user input • Invalid username or password • Confirmation Email not working
Non-Functional Requirements	• Logging in should take less than 5 seconds

P2	
Use Case 2	Delete Account
Actors	User
Pre-Conditions	• User must be logged in • Must be on account settings page • Require network connection

Post-Conditions	● User will no longer have access to the account. ● Database is changed and updated.
Error-Condition	● Lost network connection
Non-Functional Requirements	● Data will be saved in another location.

P2	
Use Case 3	Update User Account
Actors	User
Pre-Conditions	● User must be logged in ● Must be on account settings page ● Require network connection
Post-Conditions	● User will have made changes to the account. Database is changed and updated.
Error-Condition	● Lost network connection
Non-Functional Requirements	● Updating should take less than 5 seconds.

P0	
Use Case 4	Search for Restaurant
Actors	User, Yelp API
Pre-Conditions	- User must be logged in - Must be on main page - Require network connection
Post-Conditions	Users will have found the restaurant searched and will be guided.
Error-Condition	- Lost network connection - Restaurant not found
Non-Functional Requirements	Searching should take less than 7 seconds.

P2	
Use Case 5	Randomize Restaurant
Actors	User, Yelp API
Pre-Conditions	- User must be logged in - Must be on main page - Require network connection
Post-Conditions	User will receive a random restaurant and will be guided.
Error-Condition	- Lost network connection - No restaurant in area
Non-Functional Requirements	Receiving a random restaurant should take less than 7 seconds.

P1	
Use Case 6	Review of Restaurant
Actors	User, Yelp API
Pre-Conditions	- User must be logged in - Must be on main page - Require network connection
Post-Conditions	- Review sent to yelp - Preferences for current user updated
Error-Condition	User exits the app
Non-Functional Requirements	Posting review within 7 seconds

P1	
Use Case 7	Map Display
Actors	Google Maps API
Pre-Conditions	- Network Connection - Must be on main page - Require network connection
Post-Conditions	- Google maps are displayed on screen - User is able to interact with them

Error-Condition	● Lost Network Connection
Non-Functional Requirements	● Display map within 7 seconds

P1	
Use Case 8	Review of App
Actors	User
Pre-Conditions	● User must be logged in for at least 10 mins total ● Must be on account settings page ● Require network connection
Post-Conditions	● Users will be redirected to the app store or Google Play store and leave review.
Error-Condition	● Lost Network Connection
Non-Functional Requirements	● Entire review should take less than 10 seconds total.

P1	
Use Case 9	Review of Restaurant
Actors	Yelp API, User
Pre-Conditions	● User must be logged in

	● Network connection required
Post-Conditions	● Added review on yelp ● Customers profile on database updated
Error-Condition	● Lost Network connection
Non-Functional Requirements	● Review should take less than 20 seconds

P1	
Use Case 10	Drawn searched area
Actors	Yelp API, User, Google Maps API
Pre-Conditions	● User must be logged in ● Network connection required ● Must allow user to fully draw a closed shape before starting the search
Post-Conditions	● Search area will be specified by the drawn area. ● Restaurants within the drawn area will be shown
Error-Condition	● Lost Network connection ● Search is made outside the drawn area ● No restaurants exist within specified area
Non-Functional Requirements	● Search must be completed within 10 seconds

P1	
Use Case 11	En-Route Restaurant Search
Actors	Yelp API, User, Google Maps API
Pre-Conditions	• User must be logged in • Network connection required • User must be enroute to a specific destination
Post-Conditions	• Restaurant en route will be displayed
Error-Condition	• Lost Network connection • No restaurants nearby
Non-Functional Requirements	• Search must be completed within 10 seconds

Non-goals :
● This is not a food delivery or ordering service. Just finding a restaurant.

• UI/UX

Non-functional system and environment requirements:
● The application should be able to support at least a hundred users.
● Updates to the database should take ten seconds maximum, from the time it was sent by the user, till the time the database was updated
● The password should be encrypted
● The app should be available on both IOS and Android.
● The app should be up and working 24 hours 7 days a week with some minor hiccups depending on servers.