Name: Joy Evans

Student access ID: er0471

Project: FoodeFits

Assignment 2

***Everything that is highlighted should be changed as appropriate by you and should not be highlighted when submitted****.*

|  |  |  |
| --- | --- | --- |
| **FR-01 Restaurant Selection** | | |
| Goal: App will provide corresponding restaurants selections based on user input. | | |
| The user will be given a screen that allows them to choose what type of restaurant they would like to dine at. Swiping right will add the restaurant to the personalized algorithm. Swiping left will remove that suggested restaurant and similar ones from the algorithm. After about 10 swipes, the app will match the user with a restaurant based on their choices. | | |
| Origin: Initial product description. | | |
| Version: 1.0 | Date: 09/26/2018 | Priority: 5 |

|  |  |  |
| --- | --- | --- |
| **FR-02 Dining buddies** | | |
| Goal: The app will allow the user to select if they want to dine with someone or alone. | | |
| Upon selection of the restaurant, based on other users currently using the app and with similar algorithms, the app will suggest that person to the current user to dine with. The app will give the user the option to dine with that person/persons or dine alone. | | |
| Origin: Initial product description. | | |
| Version: 1.0 | Date: 09/26/2018 | Priority: 5 |

|  |  |  |
| --- | --- | --- |
| **FR-03 Restaurant Availability** | | |
| Goal: The app will only provide restaurants that are open at the time. | | |
| The app will use the local time zone to determine time. Given the number of sponsored business, the app will filter open businesses from closed ones based on time zone. The app will only provide users will a selection of open businesses. | | |
| Origin: Initial product description. | | |
| Version: 1.0 | Date: 09/26/2018 | Priority: 5 |

|  |  |  |
| --- | --- | --- |
| **FR-04 User Filters** | | |
| Goal: The app will allow users to filter their choices | | |
| Before going through the restaurant selection, at the top of the screen, the user will be given the option to filter their potential results. The user will select whether they want to filter potential dining buddies by gender, the types of restaurants they want to visit (Thai, Mexican, Italian, etc.). The system will then apply these filters and continue to allow the user to swipe to create the dining algorithm. | | |
| Origin: Initial product description. | | |
| Version: 1.0 | Version: 1.0 | Version: 1.0 |

|  |  |  |
| --- | --- | --- |
| **FR-05 Pictures of Business** | | |
| Goal: App will allow business owners to update pictures for their business | | |
| App will have a separate login for business owners upon opening it. Once logged in, business owners will be given the option to update the picture of their business that will be shown to customers when they are going through the restaurant selection process. Business owners will also be able to edit their description of the restaurant. | | |
| Origin: Initial product description. | | |
| Version: 1.0 | Date: 09/26/2018 | Priority: 3 |

|  |  |  |
| --- | --- | --- |
| **FR-06 Database of restaurants** | | |
| Goal: A database will be made to store information regarding business and customers | | |
| Business information will be stored in a database. It will collect times of opening and closing and location. The database will also store user algorithms. If a user is returning, the database will pull their information to the app to show them previous restaurant selection they have made in case they would like to visit again. | | |
| Origin: Initial product description. | | |
| Version: 1.0 | Date: 09/26/2018 | Priority: 5 |

|  |  |  |
| --- | --- | --- |
| **NFR-01 FoodeFits Performance** | | |
| Goal: Upon user input, app should respond within 3 second or less | | |
| When user swipes left or right on a restaurant, the app will quickly refer to the algorithm being created to determine the next restaurant to display. Also after about 10 swipes, the system will provide a restaurant selection. The algorithm must calculate the suggested restaurant in less than 10 seconds. | | |
| Origin: Initial product description. | | |
| Version: 1.0 | Date: 09/26/2018 | Priority: 5 |

|  |  |  |
| --- | --- | --- |
| **NFR-02 Privacy of User data** | | |
| Goal: The system will ensure that user data is kept private. | | |
| The system will never ask users for credit card information or social security numbers. Identifiable information such as phone numbers, email addresses, names, and location will be encrypted in the database. | | |
| Origin: Initial product description. | | |
| Version: 1.0 | Date: 09/26/2018 | Priority: 5 |

|  |  |  |
| --- | --- | --- |
| **NFR-03 Reliability of app** | | |
| Goal: App must not crash, even in times of high traffic within the app | | |
| Given the number of students and potential users of this app, the app will be built to ensure stability. Periodic updates will be sent to users via the App Store or Google Play store to ensure the app can handle the possible high amount of users. | | |
| Origin: Initial product description. | | |
| Version: 1.0 | Date: 09/26/2018 | Priority: 5 |

|  |  |  |
| --- | --- | --- |
| **NFR-04 Security of business and customer data** | | |
| Goal: Business and customer data will be secured in an encrypted database | | |
| Since this app will be handling the information of business and customers, the information must be separated among the central database and will be encrypted. Upon login, data will be pulled from the appropriate database based on whether user is a customer or business owner. | | |
| Origin: Initial product description. | | |
| Version: 1.0 | Date: 09/26/2018 | Priority: 5 |

|  |  |  |
| --- | --- | --- |
| **NFR-05 Availability of the app** | | |
| Goal: The app will must be available and functional whenever a user opens the app | | |
| The system must be accessible to users when they open the app. Since college students are active 24/7 due to busy schedules, the app must be able to pull data based on users time zone. The app will be available for download by users of Android or Apple smartphones. | | |
| Origin: Initial product description. | | |
| Version: 1.0 | Date: 09/26/2018 | Priority: 4 |

|  |  |  |
| --- | --- | --- |
| **NFR-06 Usability of the app** | | |
| Goal: The app will currently prioritize college students | | |
| The app will be used primarily for Wayne State students. The app must be quick to respond based on user input and provide visual representation to catch the eye of the user. The app will provide cost friendly options to college users. | | |
| Origin: Initial product description. | | |
| Version: 1.0 | Date: 09/26/2018 | Priority: 4 |