**1- Functional Requirements & Non-Functional Requirements – including any updates, and all timing constraints.**

Functional requirements:

|  |  |
| --- | --- |
| Add a restaurant  Vendor | |
| Pre-Conditions | Post-Conditions |
| * Vendor should log in with his account. * Restaurant exists not virtual. | * Vendor should specify restaurant’s name, description, image, food category (The type of food that this restaurant offers), number of tables, time slots per day to reserve, location. * Vendor agrees to terms and conditions of the system and adds his restaurant successfully. |
|  |  |

|  |  |
| --- | --- |
| Remove a restaurant  Vendor | |
| Pre-Conditions | Post-Conditions |
| * Vendor should log in with his account. * Restaurant was already added to the system. | * Vendor selects the restaurant by its name. * Vendor Confirms his will for removing the restaurant. |

|  |  |
| --- | --- |
| View the booked tables  Vendor | |
| Pre-Conditions | Post-Conditions |
| * Vendor should log in with his account. * Vendor has already added a restaurant to the system. | * Vendor can view the places of the booked tables in his restaurant. |

|  |  |
| --- | --- |
| Reserve a table  Customer | |
| Pre-Conditions | Post-Conditions |
| * Customer should log in with his account. * Customer navigates around food categories. * Customer views the added restaurants in these categories. * Customer books a table from the available ones. | * Customer determines number of seats for the table (Max 6 seats). * Customer chooses reservation date and choose from unreserved time slots. * Customer confirms his/her reservation. |
|  |  |

|  |  |
| --- | --- |
| Remove reservation  Customer | |
| Pre-Conditions | Post-Conditions |
| * Customer should log in with his account. * Customer has already reserved a table. | * Customer views the reservation. * Customer Confirms his will for removing the reservation. |

**Non-functional requirements:**

* Maintainability, ease of use, availability & reliability.
* System has two modules: vendor module and customer module.
* Information, such as availability or the number of seats for the table, are provided upon booking.
* Number of seats at each table will be at most (6 seats) but number of tables will not be constant.
* Time slots per day will be constant.
* Food category can be static data stored in the database directly.
* Reservation happens in real-time (e.g., if a customer reserved a table in a specific restaurant at a specific time slot, other customer would see this reservation and won't be able to reserve the table.).