**Functional Requirement**

|  |  |
| --- | --- |
| **Use case 1** | Sign up |
| Actor | Users |
| Description | Users can choose to register as either a customer or a food truck owner, customers would only need to choose a username and password and once a unique email address has been confirmed, they would be able to create an account, a food truck owner on the other hand has to provide his/her license number while registering for an account. After the procedure, they are able to log into the website and use the function of our website. A unique ID will be auto-generated for every user. |

|  |  |
| --- | --- |
| **Use case 2** | Manage Food Truck |
| Actor | Food Truck Owners |
| Description | After logging into the website, food truck owners can set up the information of their food trucks by adding the food truck’s location, operating hours. They are also able to update their menu here by adding/ removing pictures and descriptions. Food truck owners who own multiple food trucks may also add their food truck here. |

|  |  |
| --- | --- |
| **Use case 3** | View Nearby Food Trucks |
| Actor | Customers |
| Description | Customers can enter their current location and any food trucks that has already registered their location on our website will show up in a list for the customer if they are within a 5km radius from the customer. |

|  |  |
| --- | --- |
| **Use case 4** | View Food Truck Information |
| Actor | Customer |
| Description | Customers are able to view the name, operation hour, location and the current status of the food truck they clicked into to decide if they want to dine from the food truck if it is near and open. |

|  |  |
| --- | --- |
| **Use case 5** | View Food Truck Menu |
| Actor | Customer |
| Description | This use case is extended from the Use case “ View Food Truck Information” as customers are able to look at the menu provided by the food truck owners to decide what they would like to eat ahead of time so they would be able to save time by being able to order what they want the instant they arrive without the need of wasting time looking at the menu over there and decide what they want. |

|  |  |
| --- | --- |
| **Use case 6** | Give Feedback |
| Actor | Customer |
| Description | Customers can leave a review of the food truck that they have dined from in the past to let other customers who is deciding what to eat know if this food truck has good service/ food etc. |

**Non-Functional Requirement**

|  |  |
| --- | --- |
| Technical | To use FTT, users must be logged into the website. Users can access the website as long as they are using a PC running on Windows 7 and above, any Android device(Ver.4.3 and above) or iPhone with iOS 7 or above that has access to either Google Chrome(ver. 3.30.33 and up), Mozilla Firefox(ver.38 and up) or Safari(ver.8 and up). |
| Performance | The system requires a fast response time of at least 1 second to perform its function of displaying a response  to other users.  The website will display a search bar and a list of food trucks that the user frequently searched for.  The system is required to respond whenever the customer enters a food truck’s name into the search bar or click the search button and return the results within 3 seconds. |
| Usability | The user interface for both the smartphone app and its website counterpart share a simple layout scheme, consisting of buttons that are big and easy to tap on, as well as having text with sizes that are automatically scaled to fit in buttons that have prompts.  Customers will also be able to zoom in on pictures of the menu items to get a better view of it. |
| Reliability | All the data of food truck owners, food trucks and customers are stored into a backup storage device that is powered by a backup power generator for the system in the event of emergencies such as power outage and/or natural disasters.  The data of food trucks owners such as operating hours, menu item and location are all recoverable from the backup storage devices while the customer’s profile data such as their username, password and email are also recoverable. |
| Security | The system only allows user to register as a food truck owner only if they provide their license number.  Customers are not allowed to edit the details of any food trucks and they are only allowed to view the information of food trucks such as their operation time, location and status. |