9 Functional Requirements

R1 – The product shall scan a QR code to access the restaurant's menu

Fit Criterion: The product should access the camera application on the respective device to take a picture of the QR code and it will bring up the restaurant menu or display an error

R2 – The product shall allow the user to register an account for complete access to the products payment services

Fit Criterion: The product will ask the user if they would like to register an account, if the user agrees: the product will bring them to the registration page asking the user to provide a username, password, and credit card information. If the user declines, the product will bring them back to the main menu of the application

R3 – The product will allow users to register using Google or Facebook accounts

Fit Criterion: A user downloads the app and is asked to register an account, they decide they do not want to go through the trouble of creating a new account so they login with their Google account

R4 – The product shall allow the user to report bugs

Fit Criterion: The product offers a menu to allow the user to report a bug they encountered. The user presses a button to report the bug and a pop-up form with a text entry box allows the user to describe the bug in 400 characters or less and sends the information to the developers through an automated email.

R5 – The product shall provide error codes for common errors

Fit Criterion: The user enters incorrect details when trying to login to their account. The product reports the error code 1, with the following message: Incorrect login information. i.e., Error Code 1: Incorrect login information

R6 – The product will display the menu in a similar fashion to the hard copy menu offered at the restaurant

Fit Criterion: A user accesses the menu using the product, it looks similar, if not identical to the paper menu offered at the restaurant

R7 – The product will provide detailed information on a menu item when selected

Fit Criterion: A user is browsing the menu and selects a hamburger, a new screen is brought up on the users device which details the ingredients of the hamburger and any extra ingredients they may add to the hamburger

R8 – The product will allow a user to request special instructions for food items they have ordered

Fit Criterion: A user is browsing the menu and selects a steak, the user decides to add the hamburger to his order, a new screen is brought up on the users device with a text entry box that allows the user to give special cooking instructions to the chef. The user types “medium rare” into the text box and confirms the order

R9 – The product will allow the user to view their current order

Fit Criterion: A user is browsing the menu and adds a chicken entree and a beer to her order. Afterwards she adds a side dish to her order. She wants to see the subtotal of her order, she views her order through the interface.

R10 – The product will update the total amount owed for the order in real time

Fit Criterion: A user is browsing the menu and adds an entree to his order, the total is calculated immediately afterward. The user then adds a drink to his order, the total of the order updated immediately afterward.

R11 – The product will allow users to rate menu items

Fit Criterion: A user orders a meal and enjoys it so much he decides to post a review using the products

R12 – The product will allow users to view other user's ratings of menu items

Fit Criterion: A user is browsing the menu and cannot decide between two items, she decides to view a review of an item and decides to order after reading a good review.

R13 – The product will allow users to pay for their order using a credit card

Fit Criterion: A user is finishing his meal and all the waiters are busy with other tables. The user is in a rush, he pays for his order using the credit card info registered to his account associated with the product

R14 – The product must be Payment Card Industry (PCI) compliant

R15 – The product will allow users to place their order

Fit Criterion: A user adds a hamburger, fries and a drink to her order. She is really hungry and doesn't want to wait for a waiter to take her order. She places the order through the application

R16 – The product will show a summary of the user's order before they place it

Fit Criterion: A users adds a hamburger, fries and a drink to her order. She is ready to place her order, a screen is brought up on her device which shows her what she is about to order

R17 – The product will allow users to leave employee feedback

Fit Criterion: A user places an order, during her stay at the establishment she encounters a very indifferent and apathetic waiter. She decides to leave feedback on the waiter after she pays for her order

R18 – The product will allow users to remove items from their order before it has been placed

Fit Criterion: A user adds a hamburger, fries and a milkshake to their order. The user then decides they no longer want a milkshare and remove it from their order before he place the order.

R19 – The product will allow the menu to be viewed on a smartphone

Fit Criterion: A user sits down at a table in a restaurant and scans the QR code using the product. The menu is brought up on the smartphone