

Kikoni Food App Requirements Specification

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Preface

This document contains a description of the requirements for a mobile application to be used to order for food from a restaurant. It gives a picture of what the application should do and how it should look like to guide the development process. The exact implementation of the application may differ from what is written here but not significantly. This document is subject to change as required during the development process.

Authentication and Sign Up

When it is the first time the app is being opened or if the app is opened when a user had previously signed out, it displays a Sign In form for inputting a user's login credentials (name and password). The Sign In page has the layout shown in Figure 1.

SIGN IN

Username

Password

Login

Don't have an account? [Signup](#)

Figure 1: Sign In form appearance

When a wrong Username is entered and an attempt is made to login (by pressing the Login button), then the Username field is highlighted in red color as shown in Figure 2.

SIGN IN

Wrong Username

Password

Login

Don't have an account? [Signup](#)

Figure 2: Wrong Username alert

In a similar way, the app alerts the user when he/she enters a wrong Password but a correct Username. The alert appears as in Figure 3.

The figure shows a sign-in interface. At the top, the text "SIGN IN" is centered. Below it is a light gray rectangular input field with the placeholder text "Username". Underneath the input field is a red rectangular box containing the text "Wrong Password" in red. Below the red box is a dark blue rectangular button with the text "Login" in white. At the bottom, the text "Don't have an account? Signup" is displayed, where "Signup" is a blue hyperlink.

Figure 3: Wrong Password alert

When the user enters in the correct information, he/she is redirected to the home page which contains a menu of the food items available and a sign out option. In case the user has no account with the app, he/she has to sign up by pressing the *Sign Up* link on the login page. The sign up page contains a form fields that should be filled in by the user before clicking a Sign Up button. Figure 4 is a graphical representation of the contents of the Sign Up page. The Hostel and Room fields are drop down widgets to select a choice among a set of predetermined choices. The form validates that the passwords entered by the user are consistent and that all required fields have been entered correctly.

After successful sign up, the app creates an account for the user and redirects him/her to the home page. When the user signs out, he/she would use the information entered in the Sign Up form to login.

SIGN UP

First Name:

Last Name:

Email:

Password:

Re-enter Password:

Hostel:

Room:

WhatsApp Number:

Sign Up

Figure 4: Sign Up form

Display of Food Menu

When the user logs in, the app displays the home page which contains a Menu of the food items available from the restaurant. Each Menu item is listed alongside its unit cost and at the bottom of the view is a button for showing the list of items selected for order. Figure 5 below is a graphical illustration of the appearance of the home page (not drawn to scale).


Menu 
Fries 2000/= per pack
Chicken 3000/= per piece
Chapati 500/= per roll
View Order List

Figure 5: Home Page Food Menu

At the top right corner is the app menu which is used for navigating through all the views of the app. This app menu contains links for Account, Order History, Order List, and Signout as shown in Figure 6 below.

Account
Order History
Order List
Signout

Figure 6: App Menu

When the user taps on the app menu while on the homepage, the resultant display appears as in Figure 7.

Menu	
Fries 2000/= per pack	Account Order History Order List Signout
Chicken 3000/= per piece	
Chapati 500/= per roll	
View Order List	

Figure 7: App Menu on Homepage

Ordering for Food

To order for food, a user clicks/taps on a food item from the Menu on the Homepage from which they are redirected to a more detailed view of the selected food item as illustrated in Figure 8.

←	Fries	≡
Quantity: 2 packs		
Amount: 4000/=		
Add to Order List		

Figure 8: Food menu item details

From this view, the user can specify the quantity for the specific item he/she would like to order, the amount is displayed automatically. The back arrow at the top-left corner can be used to go back to the homepage. After the user has specified the quantity of the item he would like to order, he would click on the “Add to Order List” button at the bottom of the page to add the selected item, after which he is directed back to the homepage. When he clicks on “View Order List” at the homepage or from the app menu, the app shows a list of the selected items in an “Order List” view as demonstrated in the graphic in Figure 9.



	Order List	
2 packs of Fries 4000/=		
1 piece of chicken 3000/=		
3 rolls of chapati 1500/=		
Place Order		

Figure 9: List of orders view

This view must show the total amount of money to pay for the order and allow for editing of the list items. When the user clicks on the “Place Order” button at the bottom of the view, the app sends the order details to the restaurant for processing. It then redirects the user to a “Order History” page/view which shows information about all the orders made by the user as shown in Figure 10. On this page, the orders are listed latest on top. Each order has an ID and an Expected Time of Arrival (ETA), which is the period of time it is expected to take to be processed. The details for each order can be viewed by clicking the “View” button alongside it. The resultant view takes the form shown in Figure 11.



 Order History 	
Order 0003 ETA: 30 min	View
Order 0002 ETA: soon	View
Order 0001 Delivered	View
View Order List	

Figure 10: Order History page



 Order 0003 
2 packs of Fries 4000/=
1 piece of chicken 3000/=
Total Amount: 7000/= ETA: 23 min

Figure 11: Details for a placed order

Account Management

When logged in, the user can edit the account information he/she specified to the system during sign up (e.g. room number). To do so, he/she would click on the “Account” link from the app’s menu (top right corner of each view). The app then displays a view similar to Figure 12, from where the user can edit his/her account information.







	Account	
First Name Titus		
Last Name O'Neil		
Password *****		
		

Figure 12: Account settings view

The user can change each field by clicking on its corresponding “Edit” button. Upon pressing the “Submit” button, the app updates the user’s information and indicates to him/her that it has done so.