# DINING ORDER SYSTEM USER GUIDE
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## Contents:

# 1.0  Installation Steps:

1) Install visual studio community and select .Net 6.0 version with the following packages included during installation:
   a. ASP.NET and web development
   b. .NET desktop development
   c. Data storage and processing
2) Install SQLite browser based on your OS.
3) Install Microsoft Authenticator mobile application based on your phone OS.

# 2.0 Execution of the project:

1) Open the '*DiningOrderSystem*' folder -> double click on '*DiningOrderSystem.sln*' and open in visual studio code.

2) Click on build project in visual studio code as depicted in the screenshot below:

# 3.0 Features of the application:

## 3.0.1 Login

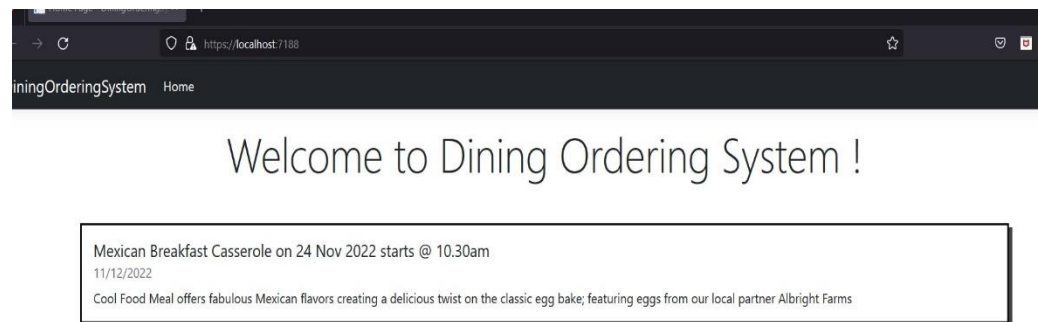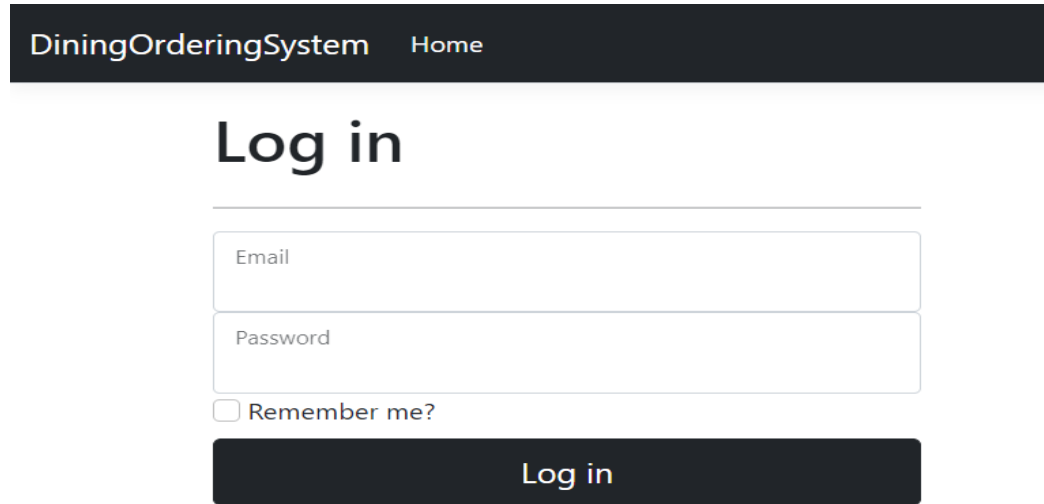1) The homepage of the Dining Order System is as depicted below:



Figure 1: 'Home Page' of Dining Order System

2) Click on 'Login' option available on top right corner of the page. The 'Login Page' is as depicted below:



Figure 2: 'Login Page' of Dining Order System

3) Enter the email address and password from the below table to login:

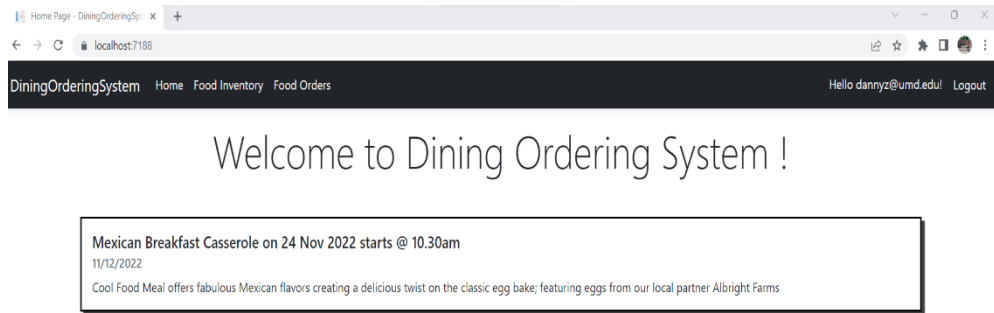| Email | Password | Role |
|---|---|---|
| niksp@umd.edu | Nik!t@#23 | Student |
| dannyz@umd.edu | D@niel#134 | Student |
| valenk@umd.edu | V@lenti#14 | Student |
| ashishg@umd.edu | Im@ashish#13 | Student |
| admin@umd.edu | Alone#134 | Manager |

4) After successful login you can view the below page:

Figure 3: 'Home Page' view after successful login.

5) New user registration and forget password are out of scope of the application.

## 3.0.2 Enable Two factor authentication

1) After successful login by following steps from section 3.0.1 follow the below steps to enable two factor authentication.

2) Click on username on the top right corner of the page to enable the two-factor authentication for the users. The page to enable 2FA is as shown below:
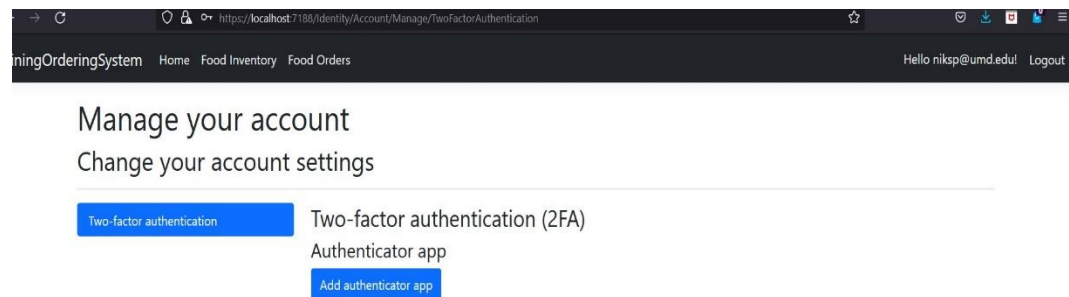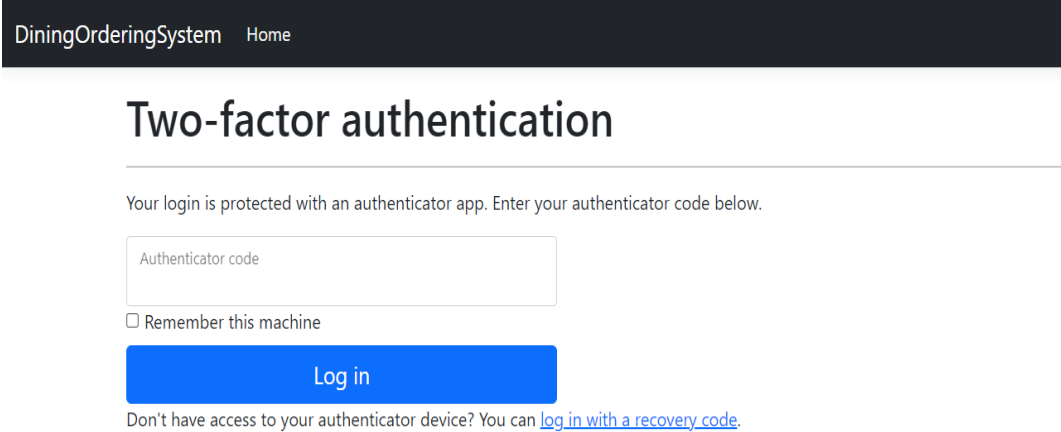


Figure 4: Two Factor authentication page.

3) Click on 'Set up authenticator app' and download the 'Microsoft Authenticator' based on your OS of the phone.

4) Open the 'Authenticator' and tap on '+' sign on the top of the phone screen. Click on 'Other account (Google, facebook etc.)' to add the account.

5) Scan the QR code visible on the 'Dining Order System' webpage and after successful addition of the user verify the 2FA by providing the authenticator code to Dining System Order webpage. Same authenticator application can be used to enable 2FA of all the users.

6) After successfully enabling the 2FA of the user, you can try to login using the user credentials provided above. The login page will automatically ask you to enter the code for 2FA. The below screenshot is an example:



Figure 5: 'Authenticator code' page after successful enablement of 2FA

NOTE: If you enable 2FA for any user please make sure to download and keep the recovery code safe. This is the only other way to recover and login into an account whose 2FA is enabled. This is an important limitation of the application. By default, the 2FA is disabled for all the users as the project needs to be tested by another user and it will be difficult for them to test it without the developers help if enabled by the developer.

## 3.0.3 Order food by Student

1) After successful login by using the credentials provided above below are the steps to order food by a student.

2) To order the food inventory click on 'Food Inventory'. You will be able to see the below page which consists of various food items to order a meal from:



Figure 6: 'Food Inventory' page to place order

3) Select the food items you want to order, select the order date and click on 'Place Order' button to order your food. Admin cannot order any meals, a student can only order meal/meals before 48 hours from the delivery time and ordering food in advance is only available for next 30 days from the current date. Any order can have maximum of five food items and minimum of one food item in order to place an order.

4) After successful order placement, the order gets displayed in the 'Food Orders' page.

## 3.0.4 View and delete food orders by Student

1) After successful login by using the credentials provided above below are the steps to view and delete food orders by a student.

2) Click on 'Food Order' on the webpage to view and delete an order.

3) Edit and delete order option is only available till 48 hours from the delivery date. In the below screenshot the first order checkbox is disabled as the screenshot was taken on 13 November 2022 and the delivery date is 15 November 2022. The second order can be deleted as the difference between delivery date and deletion date is more than 48 hours.
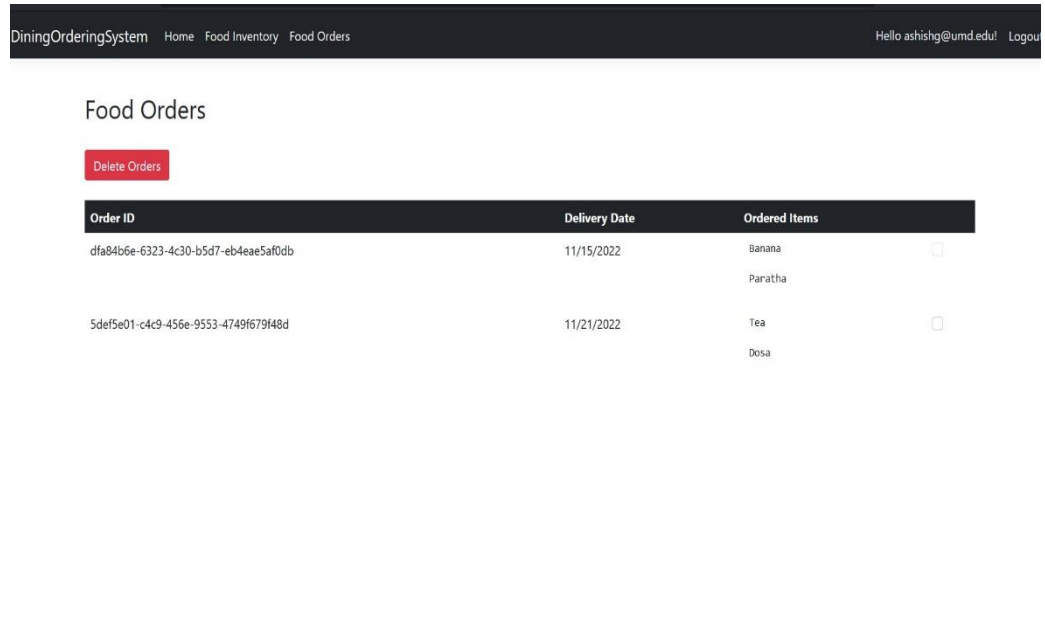


Figure 7: 'Food Order' page to view the orders of a user.

4) Select the order which you want to delete and click on delete order. Student can only delete the order if the time difference between the delivery date and current time (time when the student wants to delete the order) is more than 48 hours.

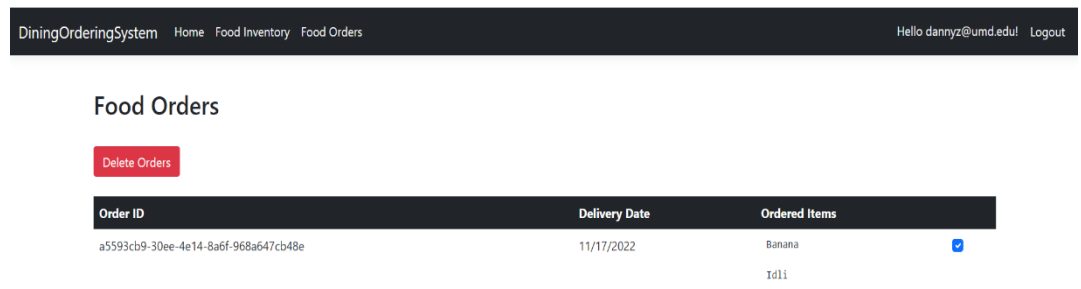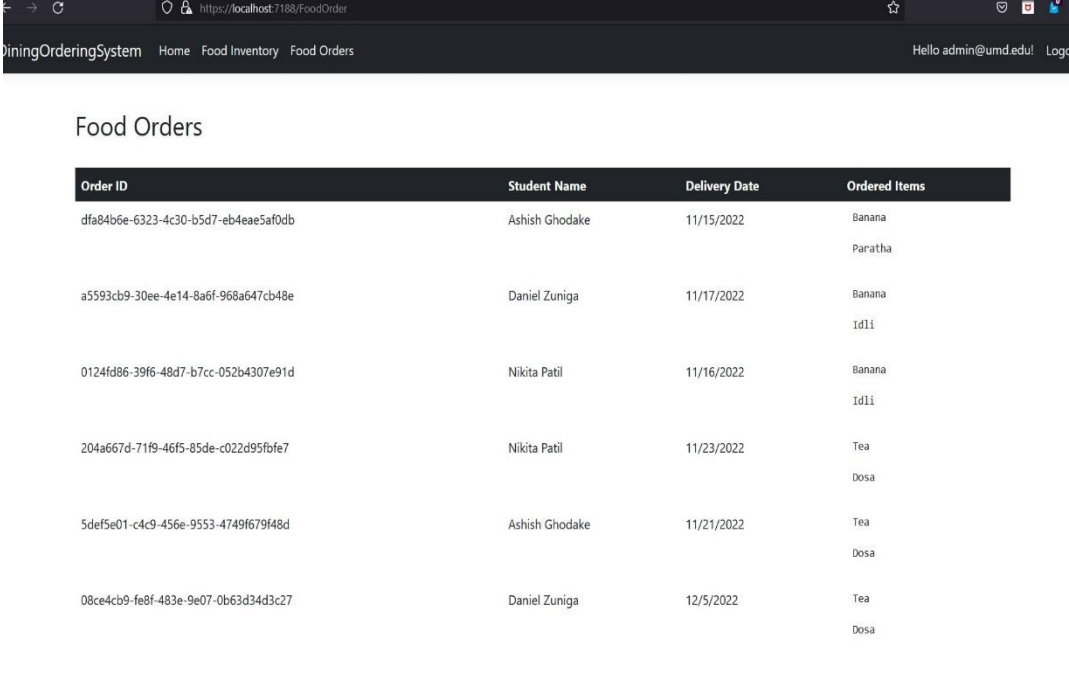5) The below screenshot depicts the deletion of an order:



Figure 8: 'Food Order' page to delete an order.

### 3.0.5 View food orders by Manager

1) After successful login by using the credentials provided above below are the steps to view food orders by a manager. Use the appropriate credentials for manager i.e. 'admin@umd.edu' for all the operations of the Manager.

2) Click on 'Food Orders' on the top of page to view all the orders of the students. Below is the screenshot of the same:



Figure 9: 'Food Order' page view using a 'Manager' login credentials

### 3.0.6 View, add, edit and delete food items by Manager

1) After successful login by using the credentials provided above below are the steps to view food orders by a manager. Use the appropriate credentials for manager i.e. 'admin@umd.edu' for all the operations of the Manager.

2) Click on 'Food Items' on the top of the page to view the list of food items. Below is the screenshot to view the food item list:

Figure 10: 'Food Items Inventory' list

3) Click on 'Edit' option of the food item you want to edit or delete. The 'Name' of the food item must be unique and cannot be edited. Update the changes and click on 'Submit' button to edit the calorie or contents of the food item. Click on 'Delete' button to delete the food item from the 'Food Items Inventory' list. The below screenshot depicts edit and delete of the food items:



Figure 11: 'Edit and Delete Food Item' feature to update and delete food items in the inventory

4) Click on 'Add Food Item' button as depicted in figure 10 to add a new food item to the inventory. It redirects to the below page to add the new food item to the list:



Figure 12: 'Add Food Item' page to add new food item to the inventory

5) Enter the details of the food item and food item needs to be unique, click on 'Submit' button to add the food item to list.

## 3.0.7 View, add and delete Notice by Manager

1) After successful login by using the credentials provided above below are the steps to view food orders by a manager. Use the appropriate credentials for manager i.e. 'admin@umd.edu' for all the operations of the Manager.

2) Click on the 'Home' at the top left corner to view and add a notice as depicted below:

Figure 13: 'Home' page to view and add 'Notice' (visible only to 'Manager' role)

3) Click on 'Add Notice' to add a notice on the application. Below is the screenshot which shows the sections needed to be added:



Figure 14: 'Add Notice' section only visible to 'Manager'

4) The 'NoticeTitle' should be unique, enter the details as required, depicted in above screenshot and click on 'Add Notice' button to add the notice.

5) Click on 'Delete' button as depicted in figure 13 to delete the notice.

## 3.0.8 Disable Two Factor Authentication:

1) These steps are required to be followed only if section 3.0.2 is implemented for a user.

2) Click on the 'Email Address' on the top right corner of the page and click on 'Disable 2FA' to disable the 2FA of a user. The screenshot is provided for your reference:
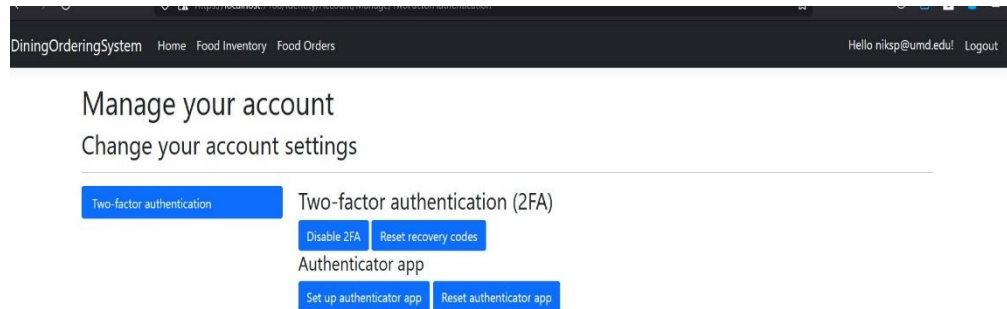


Figure 15: 'Disable 2FA' of a user

3) It will redirect to a confirmation page to disable the service, click on the 'Disable 2FA' as depicted in the screenshot below:
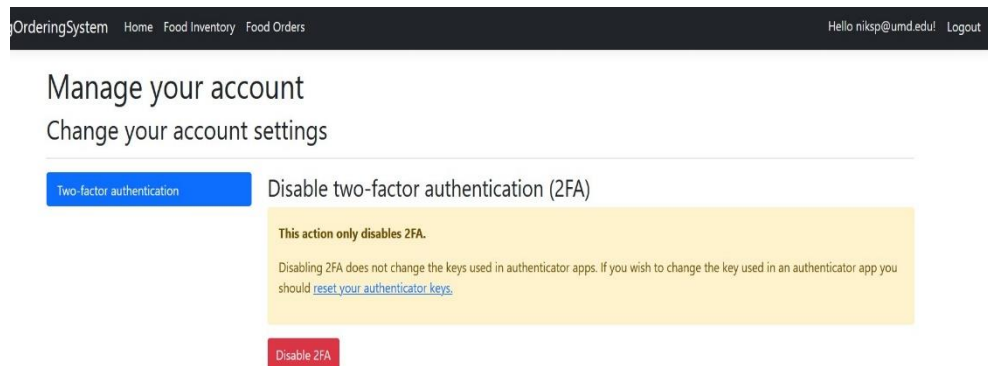


Figure 16: 'Disable 2FA' confirmation page to disable the 2FA of a user.

4) Click on 'Reset authenticator app' to completely remove the dependency of the 2FA and ensure a new configuration of the 2FA takes place. The below screenshot shows the same:
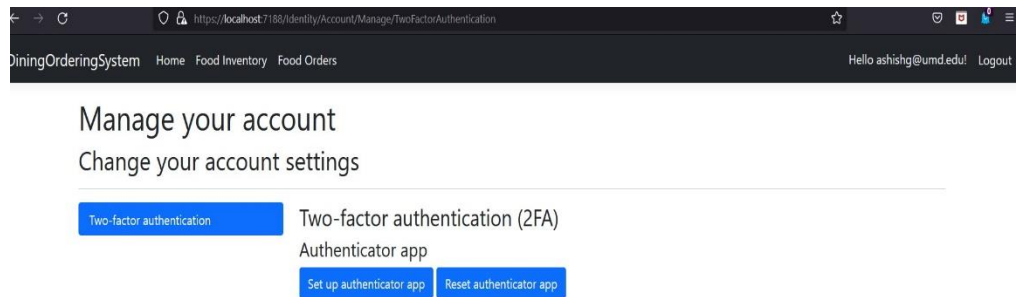
Figure 17: 'Reset authenticator app' to reconfigure the entire 2FA of a user

## 3.0.9 <u>Logout:</u>

1) After successful login by following steps from above sections follow the below steps to logout from the application.

2) Click on the 'Logout' on the top right corner of the page to logout from the application. The screenshot of the same is as below:
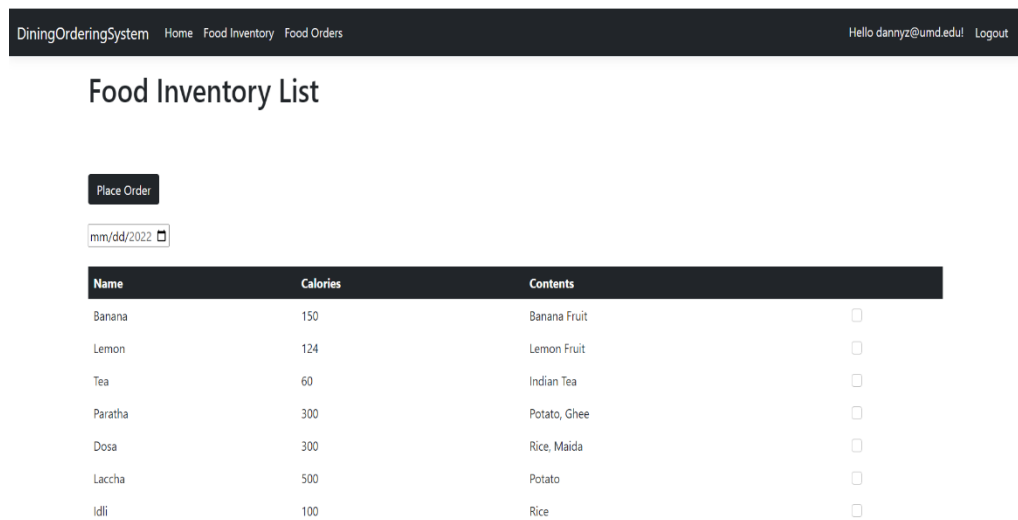


Figure 18: 'Logout' option to log off from the application.

## 4.0 References:

[www.google.com](www.google.com)

[www.stackoverflow.com](www.stackoverflow.com)

[www.learn.microsoft.com](www.learn.microsoft.com)