G10 Project Demo Cases

Business Scenario:

As restaurants and bakery shops become more and more digitally driven, they are turning to next generation order management solutions to help them bridge the gap between their physical and online operations.

We have created a business environment where three web apps: **Bakery Management**, **Ingredients App**, and **Order App**; each deployed on a different cloud platform with independent Database. These web apps communicate with each other using API calls.

1. ### Bakery Management (AWS - Serverless)
   The basic function of Bakery Management is to manage available products and accept orders from the Order App. The operations on the website are listed as below:
   a. List products
   b. Add product
   c. Edit product
   d. Accept Order

   The web pages can be seen here: http://bakery-host.s3-website-us-east-1.amazonaws.com.

2. ### Ingredients App (Azure - Web App for Containers)
   The basic function of Ingredients Company is to manage available ingredients which can be supplied for Bakery Company, and accept orders from the Order App. The operations on the website are listed as below:
   a. List ingredients
   b. Add ingredients
   c. Edit ingredient
   d. Accept Order

   The application can be seen here: https://ingredientsappcloud.azurewebsites.net.

3. ### Order App (Heroku - Container)
   The basic function of Order Company is to manage orders from users, send the corresponding requests for Bakery and Ingredients Companies. The operations on the website are listed as below:
   a. Login/logout
   b. Register and verify user account
   c. Add Product in Cart
   d. Confirm Order
   The application can be seen here: https://orderappcloud.herokuapp.com.

Workflow Demo Cases

Ingredients App

1. Adding an ingredient
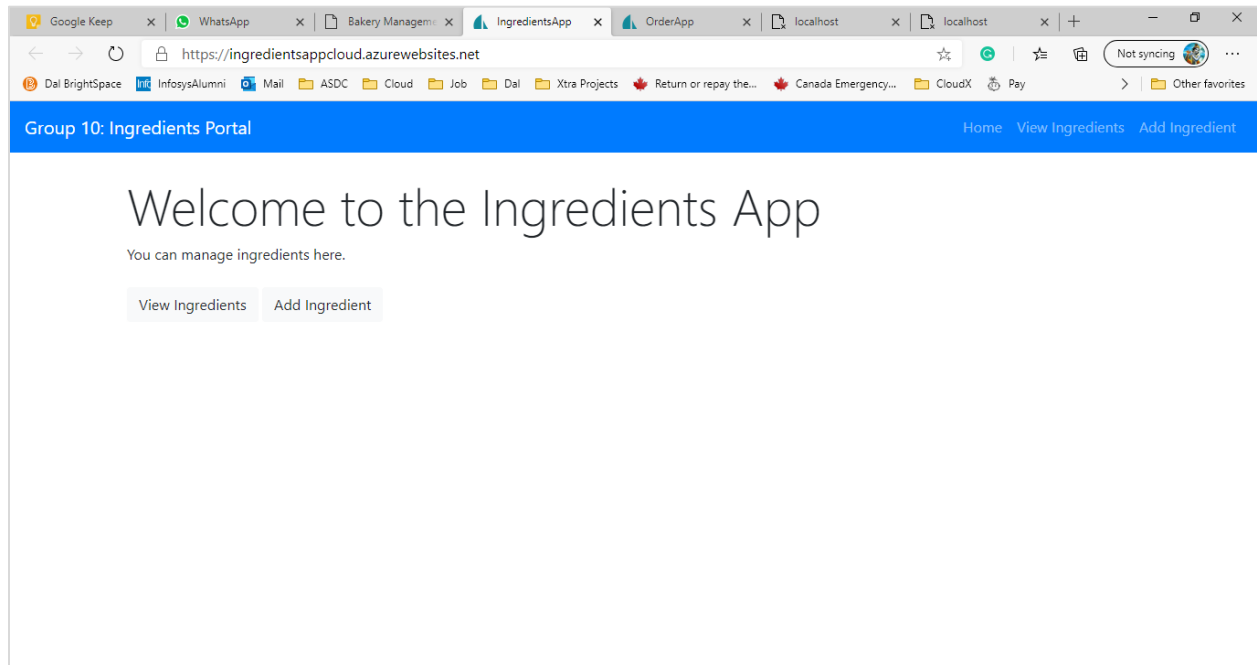2. Modifying an ingredient

Bakery Management

1. Adding a bakery product (Ingredients are fetched from Ingredients App)
2. Modifying a bakery product
3. Deleting a bakery product

Order App

1. Home page of Order App
2. Order a product
   a. User registration
   b. Activate account using email verification
   c. View products (products fetched from Bakery Management webapp)
   d. View ingredients of a product (ingredients fetched from Ingredients App)
   e. Add products to the cart
   f. Confirm the order
   g. Place order

Workflow: Ingredients App

Home Page of Ingredients App

View Ingredients

Case 1: Adding an Ingredient

Case 2: Modify an Ingredient
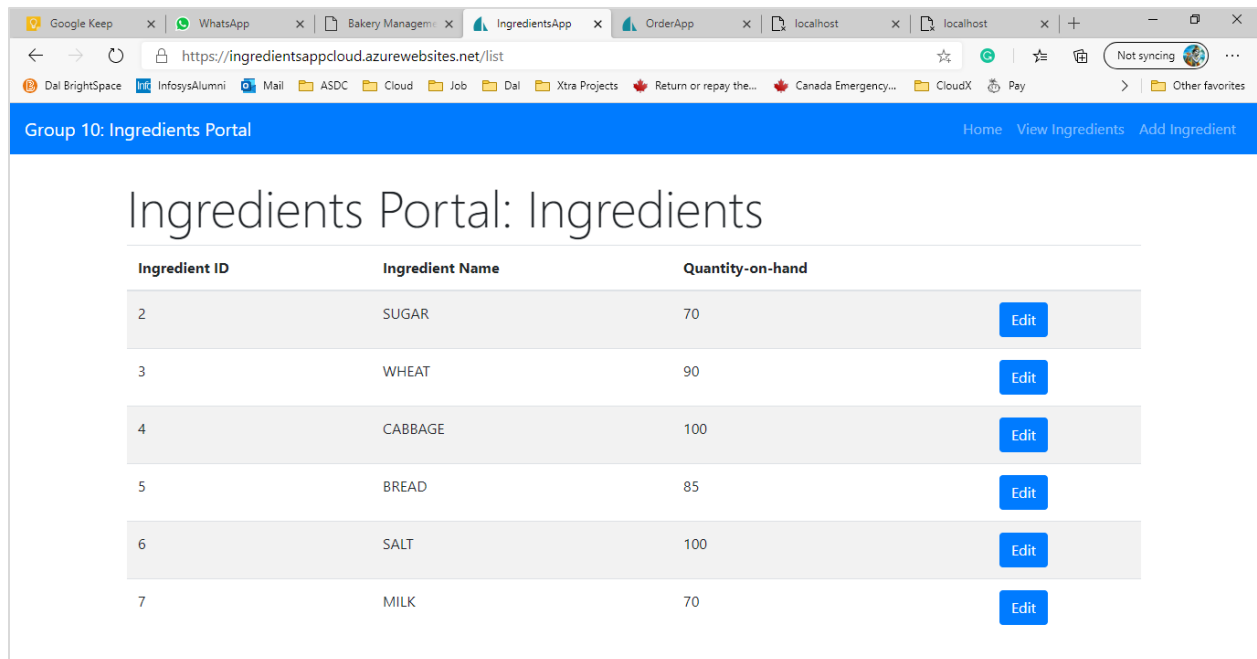
https://ingredientsappcloud.azurewebsites.net/edit

Group 10: Ingredients Portal   Home   View Ingredients   Add Ingredient

Ingredients / Edit

Edit Ingredient

Ingredient ID

8

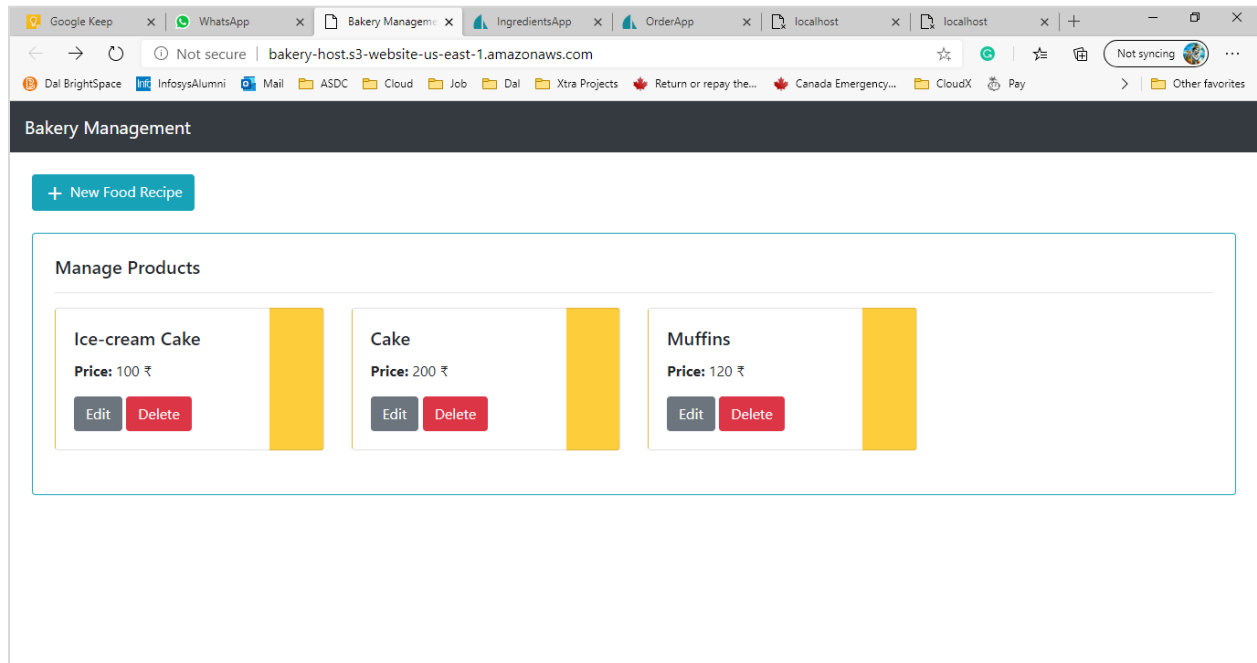Ingredient Name

BAKING POWDER

Quantity-on-hand

55

Submit

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https://ingredientsappcloud.azurewebsites.net/list

Ingredients Portal: Ingredients

Ingredient ID	Ingredient Name	Quantity-on-hand	
2	SUGAR	70	Edit
3	WHEAT	90	Edit
4	CABBAGE	100	Edit
5	BREAD	85	Edit
6	SALT	100	Edit
7	MILK	70	Edit
8	BAKING POWDER	55	Edit

Workflow: Bakery Management App

Home page of Bakery Management App

Case 1: Adding a bakery product (Ingredients are fetched from Ingredients App)
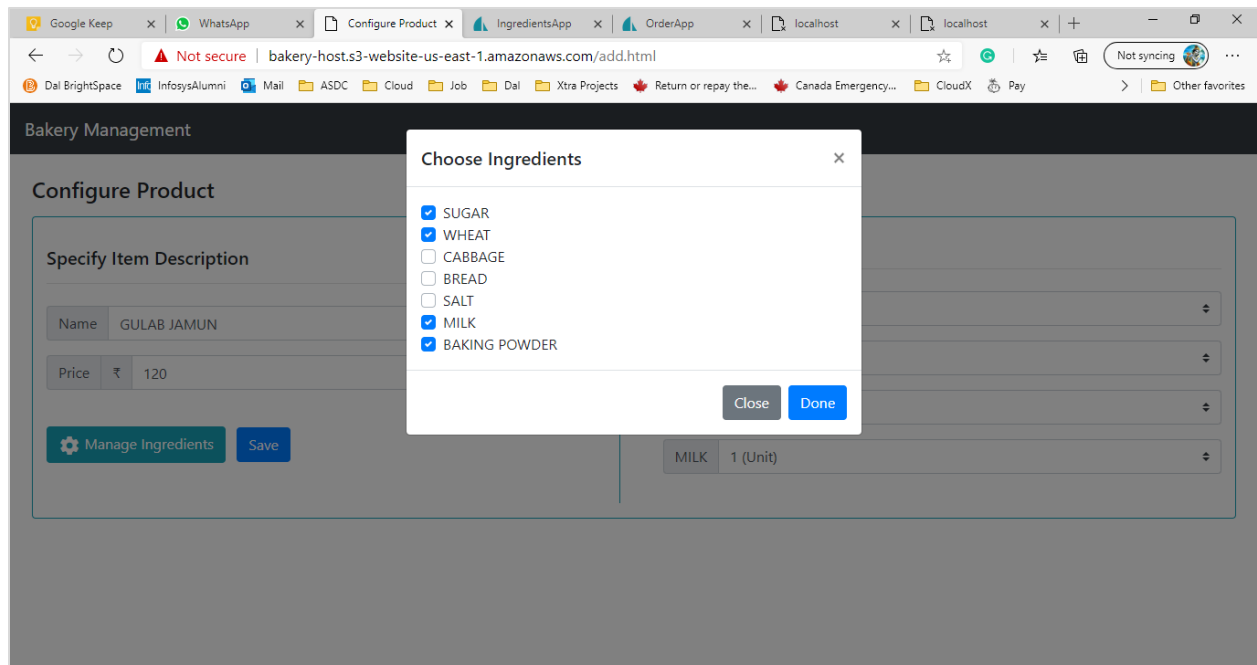
Not secure | bakery-host.s3-website-us-east-1.amazonaws.com/add.html?id=ef5c2934-ce40-4429-84dc-42e99b...

Dal BrightSpace | InfosysAlumni | Mail | ASDC | Cloud | Job | Dal | Xtra Projects | Return or repay the... | Canada Emergency... | CloudX | Pay | Other favorites

Bakery Management

Configure Product

Specify Item Description

Name	GULAB JAMUN
Price ₹	120

⚙ **Manage Ingredients**   **Save**

Ingredients

SUGAR	6 (Unit) ⬍
WHEAT	6 (Unit) ⬍
BAKING POWDER	1 (Unit) ⬍
MILK	4 (Unit) ⬍

Not secure | bakery-host.s3-website-us-east-1.amazonaws.com/index.html

Dal BrightSpace | InfosysAlumni | Mail | ASDC | Cloud | Job | Dal | Xtra Projects | Return or repay the... | Canada Emergency... | CloudX | Pay | Other favorites

Bakery Management

+ New Food Recipe

Manage Products

Ice-cream Cake
Price: 100 ₹
Edit Delete

Cake
Price: 200 ₹
Edit Delete

**GULAB JAMUN**
Price: 120 ₹
Edit Delete

Muffins
Price: 120 ₹
Edit Delete

Case 2: Modify a bakery product

Bakery Management

Configure Product

Specify Item Description

Name	GULAB JAMUN

Price	₹	150

⚙ Manage Ingredients   **Save**

Ingredients

SUGAR	6 (Unit)

WHEAT	6 (Unit)

BAKING POWDER	1 (Unit)

MILK	4 (Unit)

Bakery Management

+ New Food Recipe

Manage Products

Ice-cream Cake
Price: 100 ₹
Edit Delete

Cake
Price: 200 ₹
Edit Delete

GULAB JAMUN
Price: 150 ₹
Edit Delete

Muffins
Price: 120 ₹
Edit Delete

Case 3: Deleting a bakery product
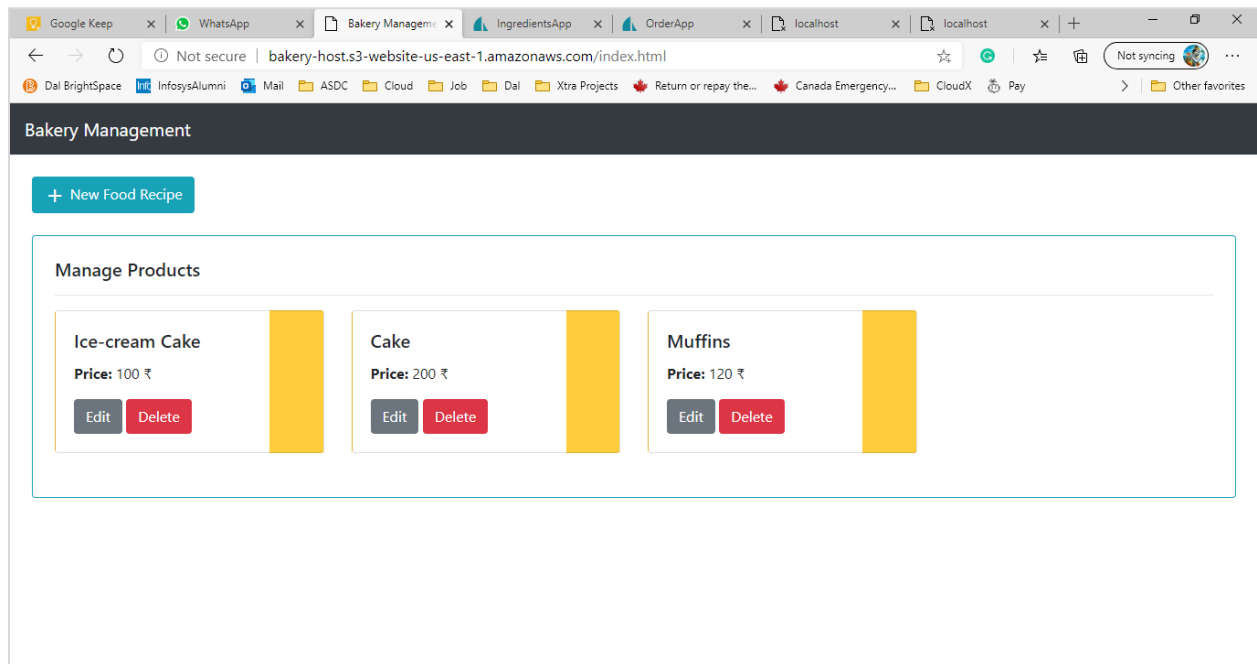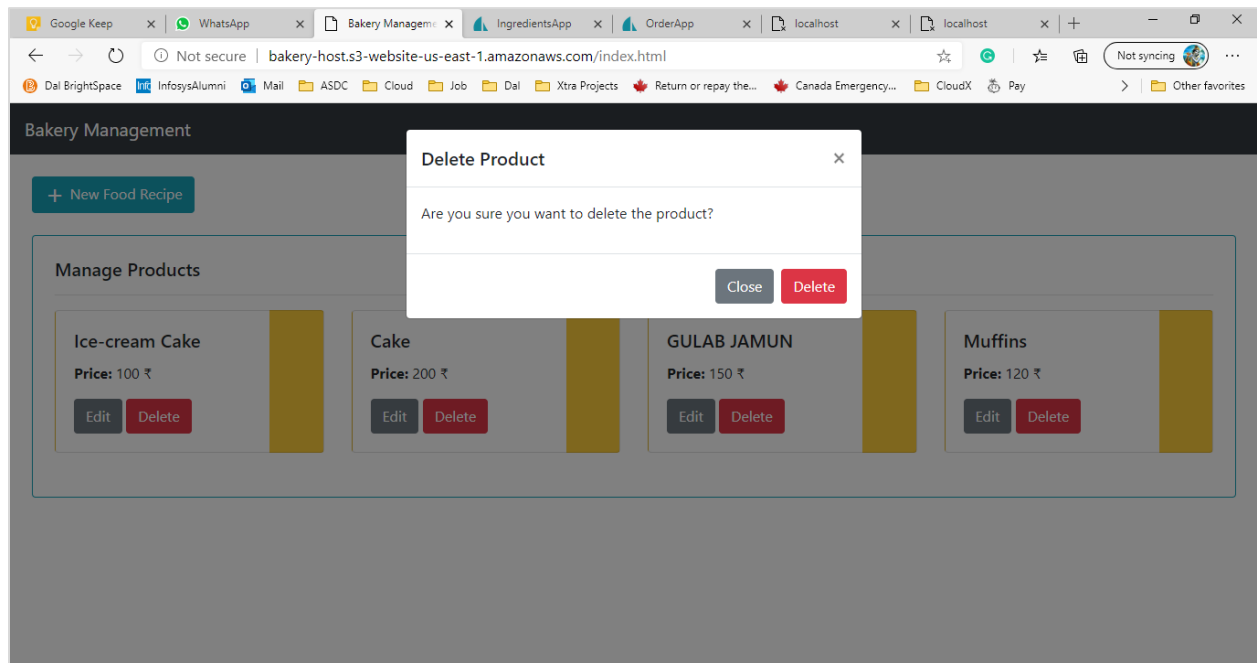
Workflow: Order App
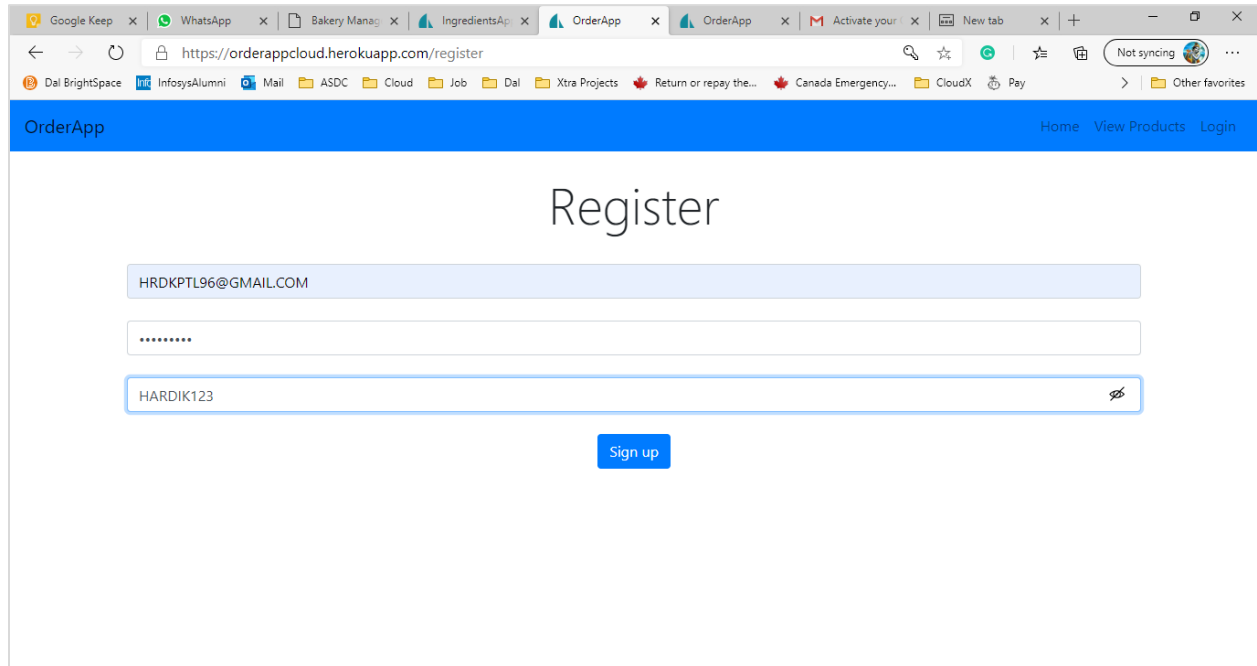
Home page of Order App
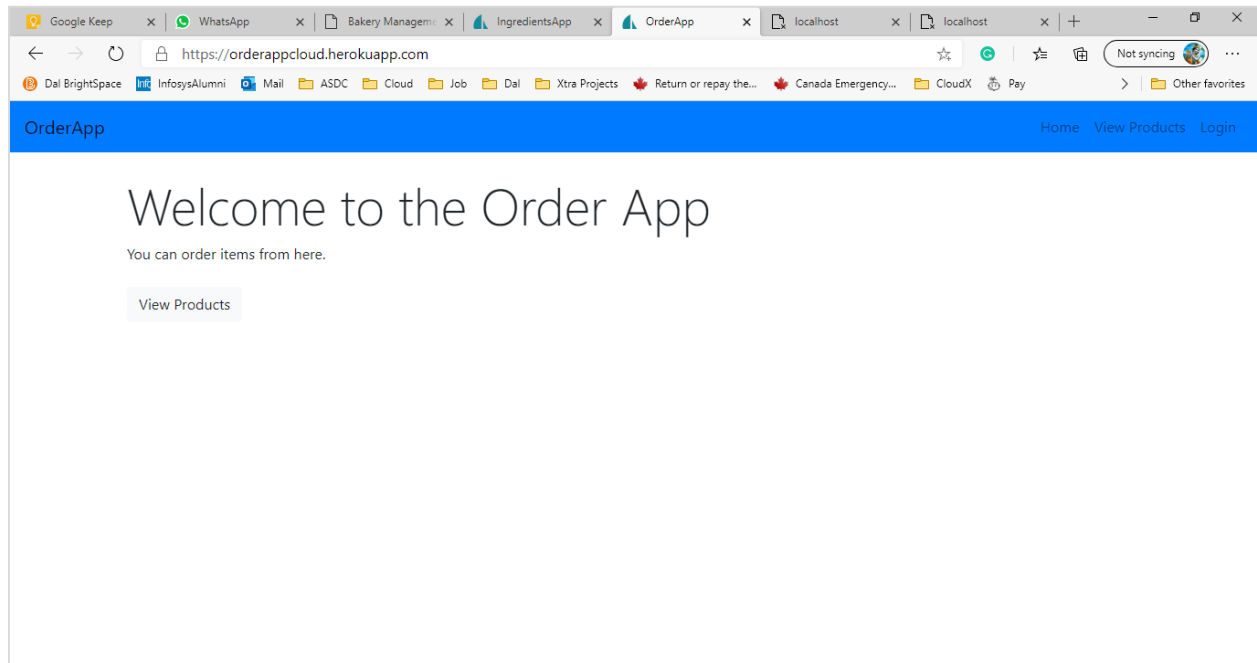
Login to Order App
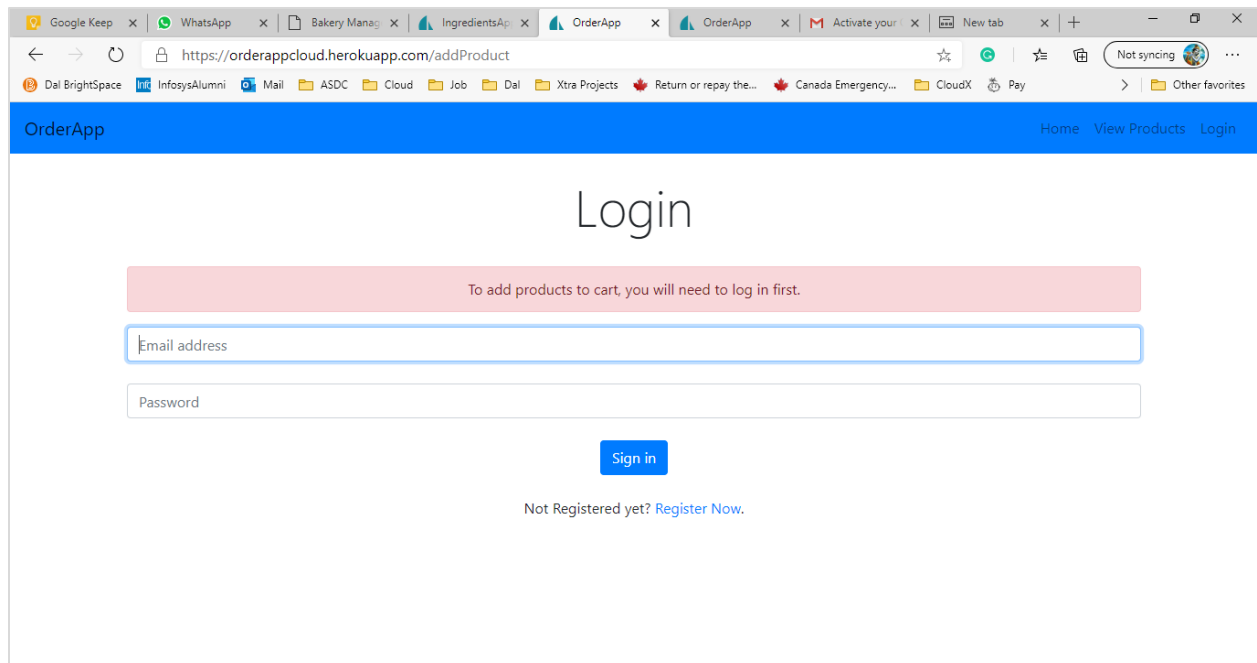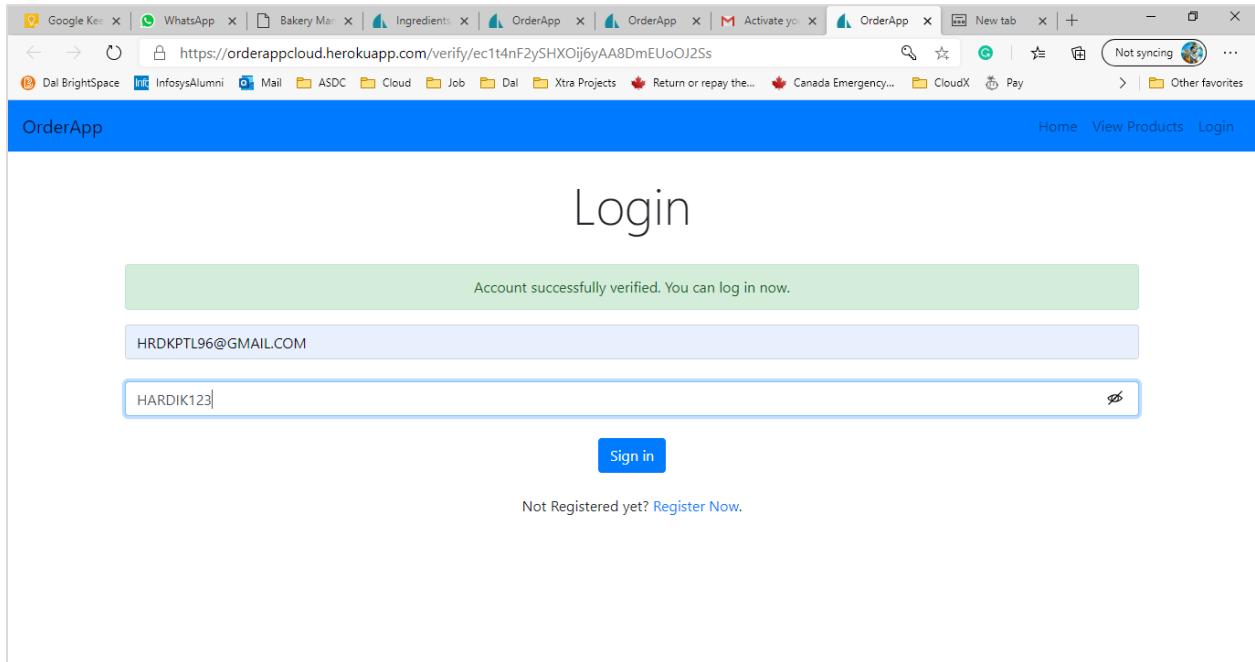
Register to Order App
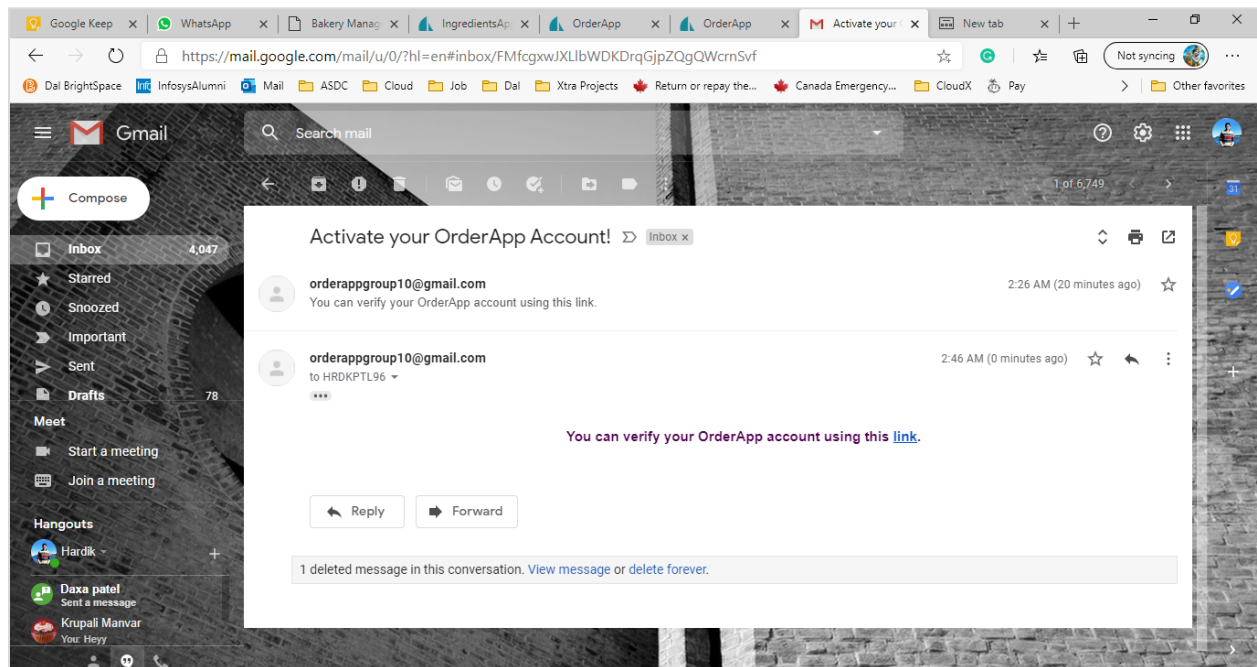
Login to Order App

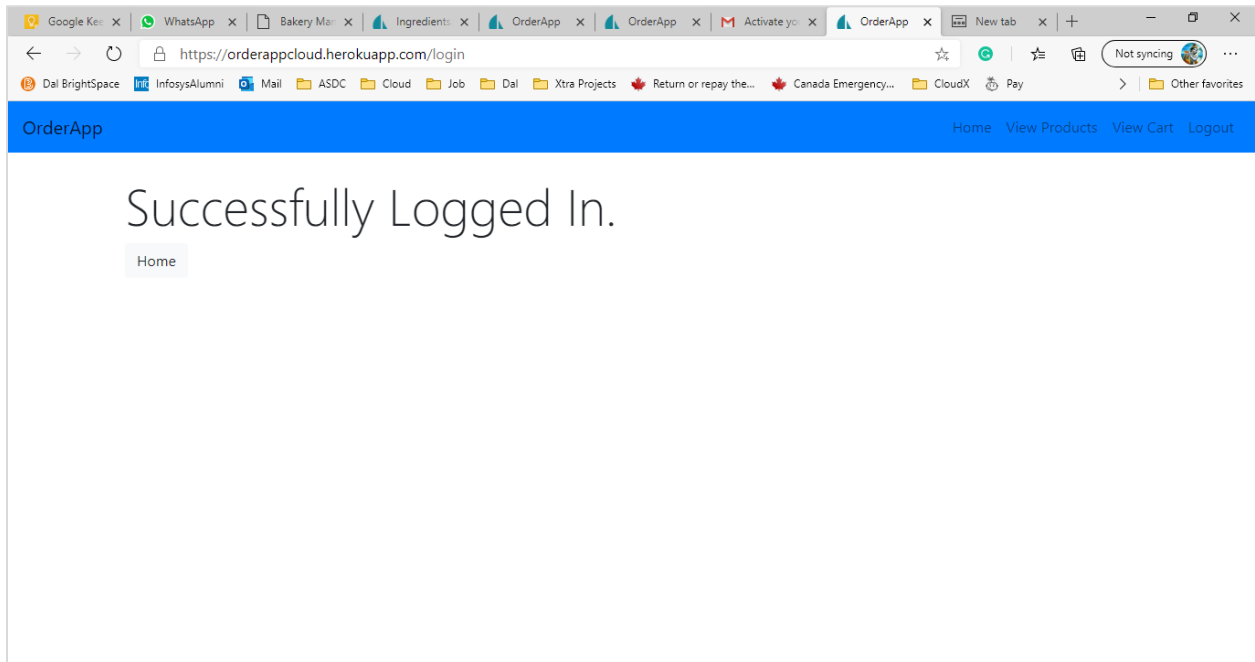OrderApp   Home   View Products   Login

Login

Account successfully verified. You can log in now.

HRDKPTL96@GMAIL.COM

HARDIK123

Sign in

Not Registered yet? Register Now.

OrderApp   Home   View Products   View Cart   Logout

Successfully Logged In.

Home

View products to order (products fetched from Bakery Management webapp)

View ingredients of a product (ingredients fetched from Ingredients App)

Add product to cart

Confirm Order

Place Order