

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

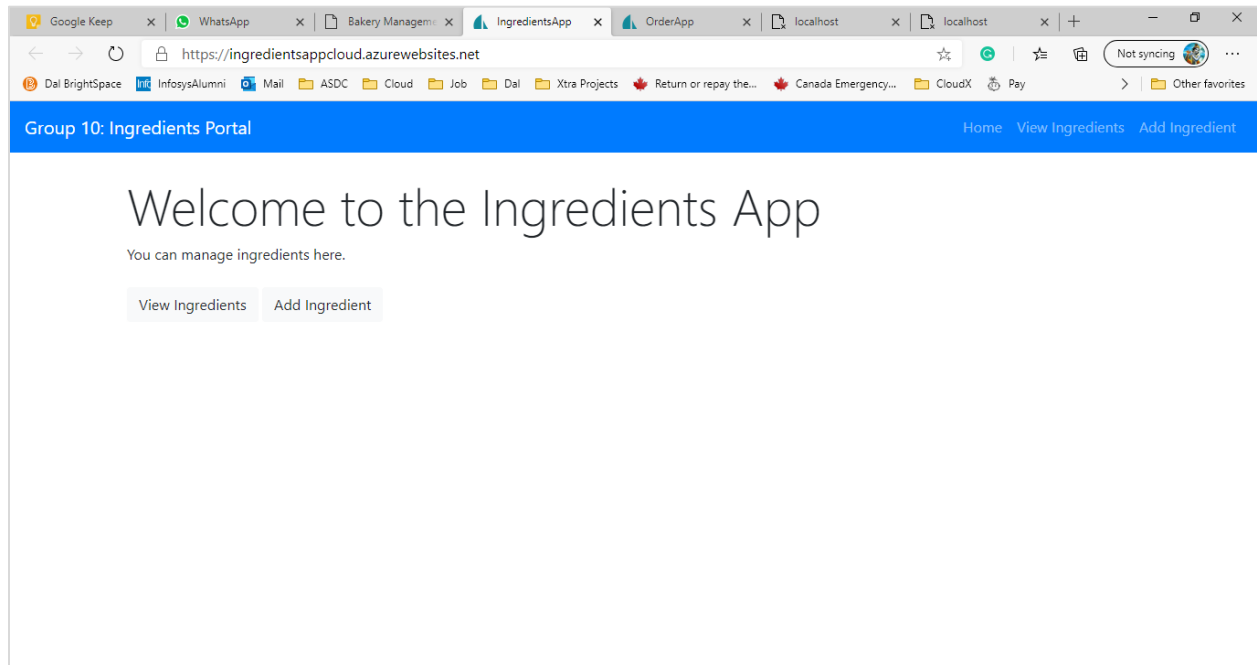
1. Adding a bakery product (Ingredients are fetched from Ingredients App)
2. Modifying a bakery product
3. Deleting a bakery product

Order App

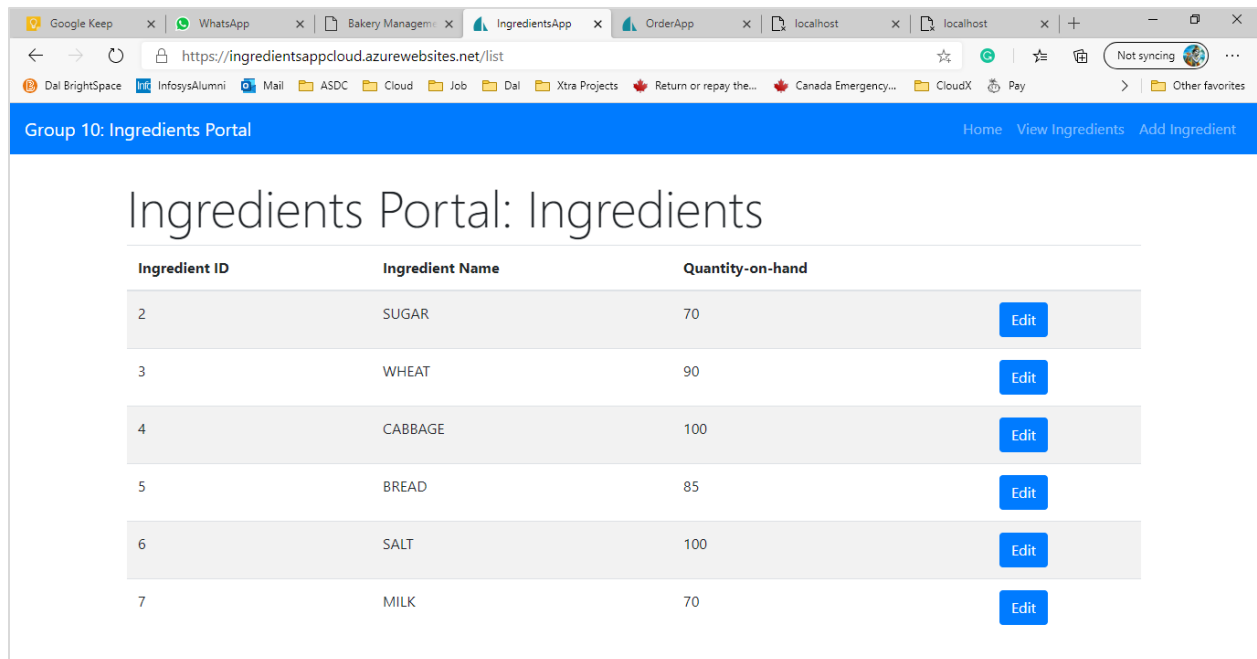
1. Home page of Order App
2. Order a product
 - a. User registration
 - b. Activate account using email verification
 - c. View products (products fetched from Bakery Management webapp)
 - d. View ingredients of a product (ingredients fetched from Ingredients App)
 - e. Add products to the cart
 - f.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

Workflow: Ingredients App

Home Page of Ingredients App



View Ingredients



Case 1: Adding an Ingredient

Group 10: Ingredients Portal [Home](#) [View Ingredients](#) [Add Ingredient](#)

[Ingredient](#) / Add

Add Ingredient

Name

Quantity

[Submit](#)

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	100	Edit

Case 2: Modify an Ingredient

Group 10: Ingredients Portal [Home](#) [View Ingredients](#) [Add Ingredient](#)

[Ingredients](#) / Edit

Edit Ingredient

Ingredient ID

Ingredient Name

Quantity-on-hand

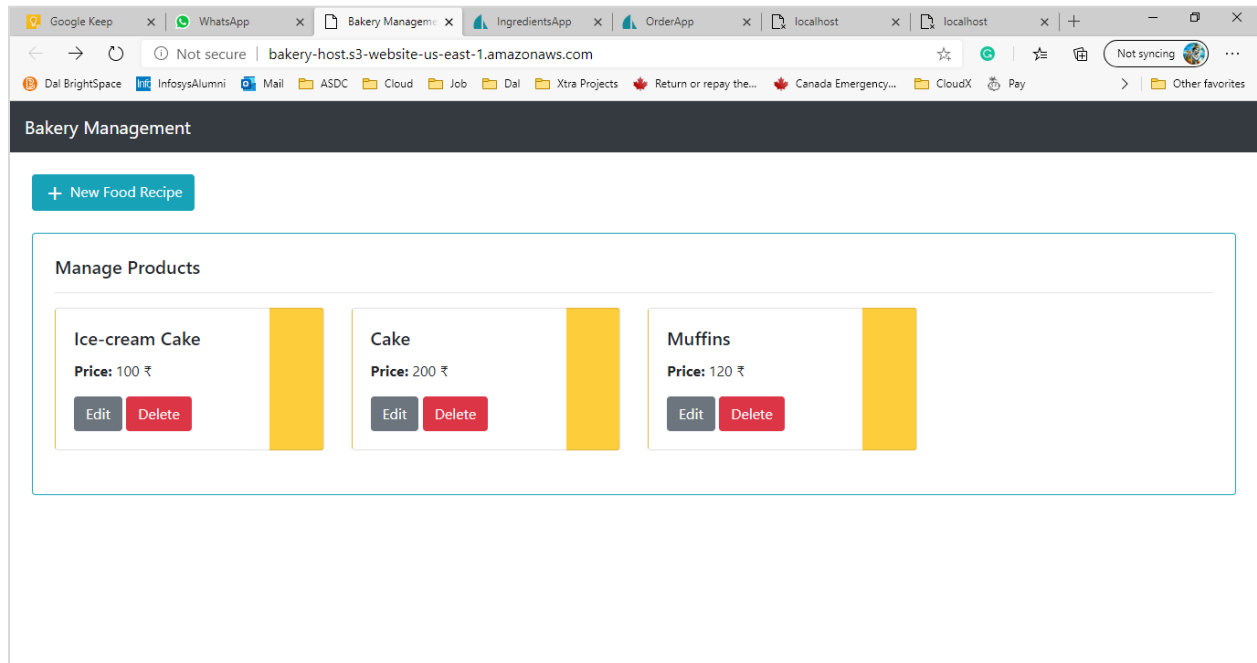
[Submit](#)

Ingredients Portal: Ingredients

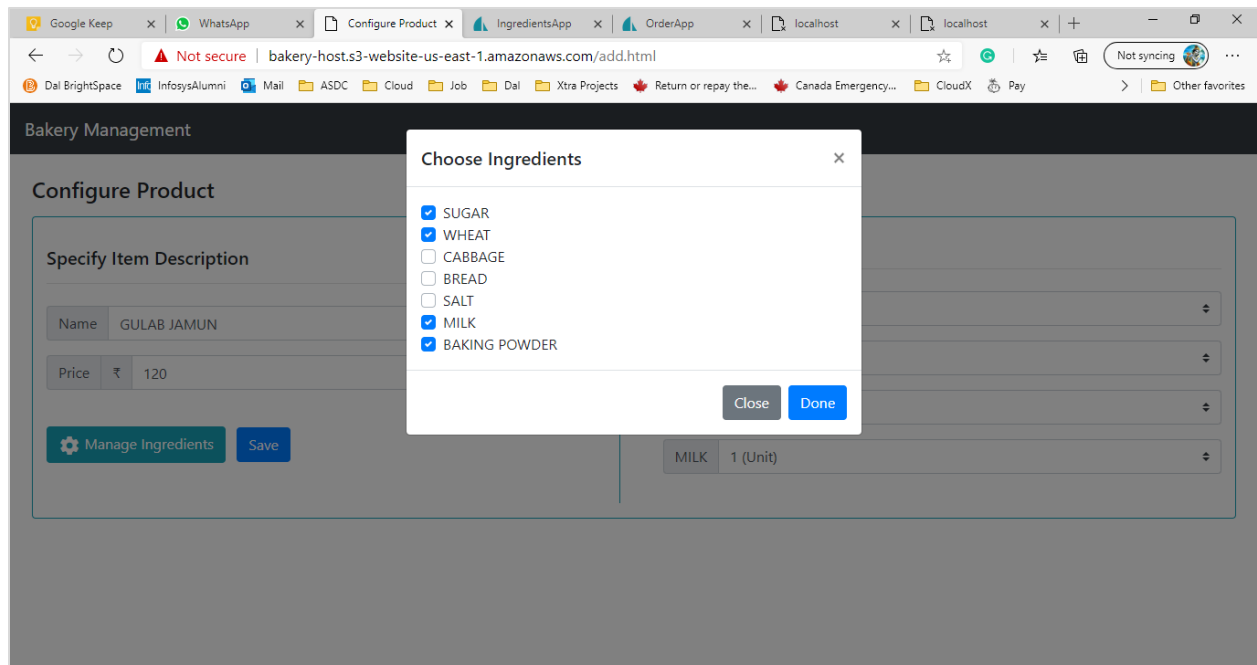
Ingredient ID	Ingredient Name	Quantity-on-hand	
2	SUGAR	70	Edit
3	WHEAT	90	Edit
4	CABBAGE	100	Edit
5	BREAD	85	Edit
6	SALT	100	Edit
7	MILK	70	Edit
8	BAKING POWDER	55	Edit

Workflow: Bakery Management App

Home page of Bakery Management App



Case 1: Adding a bakery product (Ingredients are fetched from Ingredients App)



Google Keep

WhatsApp

Configure Product

IngredientsApp

OrderApp

localhost

localhost

Not secure | bakery-host.s3-website-us-east-1.amazonaws.com/add.html?id=ef5c2934-ce40-4429-84dc-42e99b...

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Not syncing

...

Del 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)

⬇️

Google Keep

WhatsApp

Bakery Managemen

IngredientsApp

OrderApp

localhost

localhost

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

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Not syncing

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Del 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 ₹

EditDelete

Cake

Price: 200 ₹

EditDelete

GULAB JAMUN

Price: 150 ₹

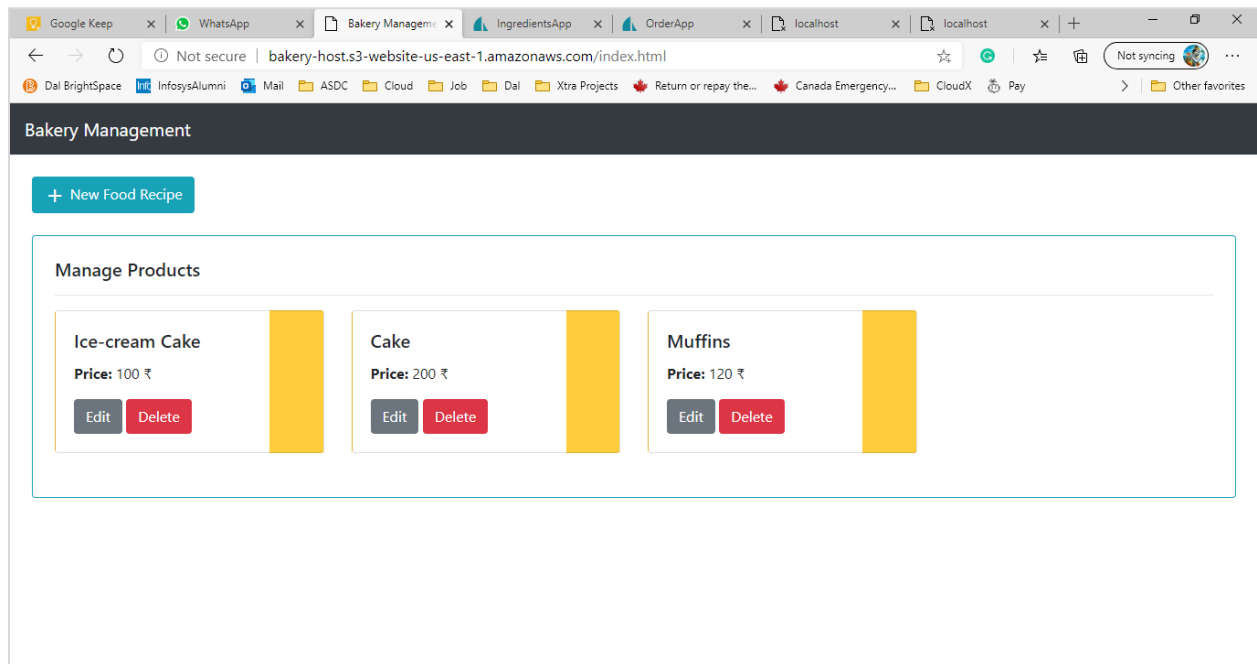
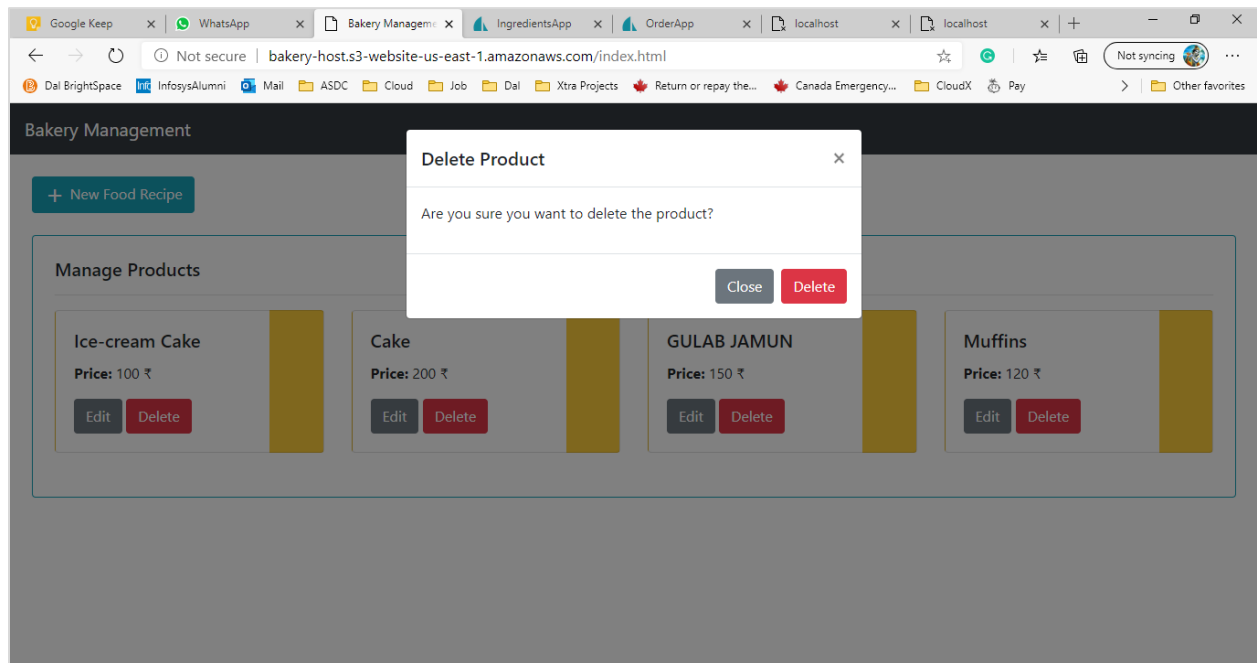
EditDelete

Muffins

Price: 120 ₹

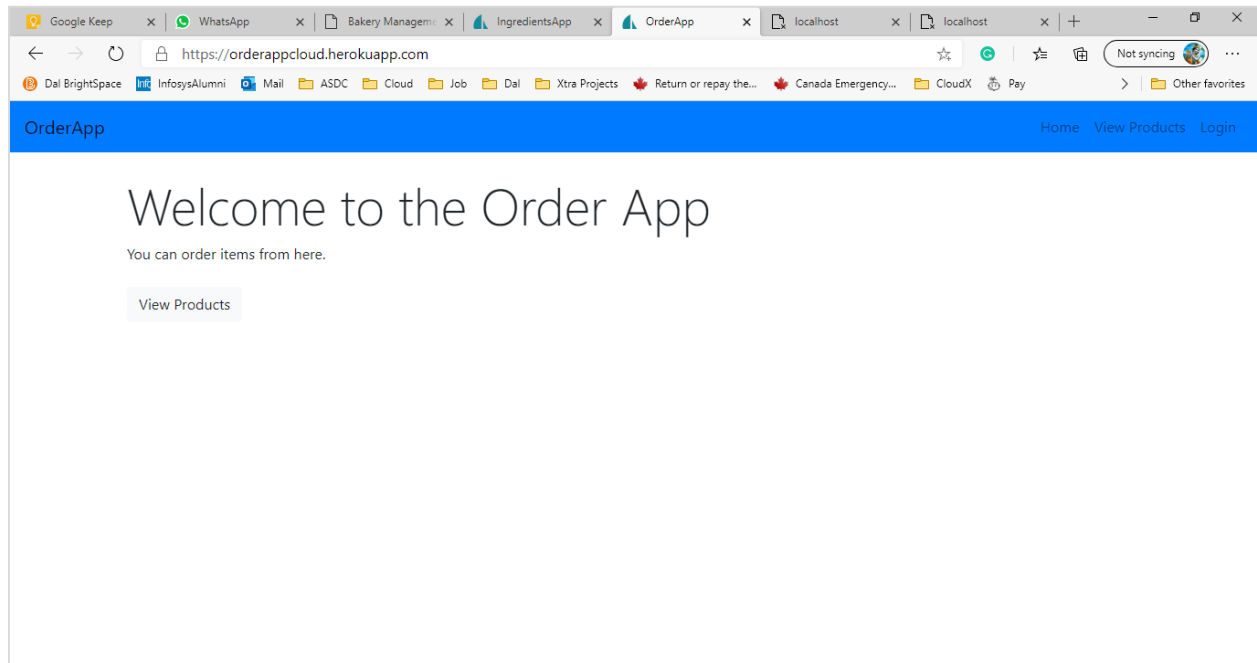
EditDelete

Case 3: Deleting a bakery product

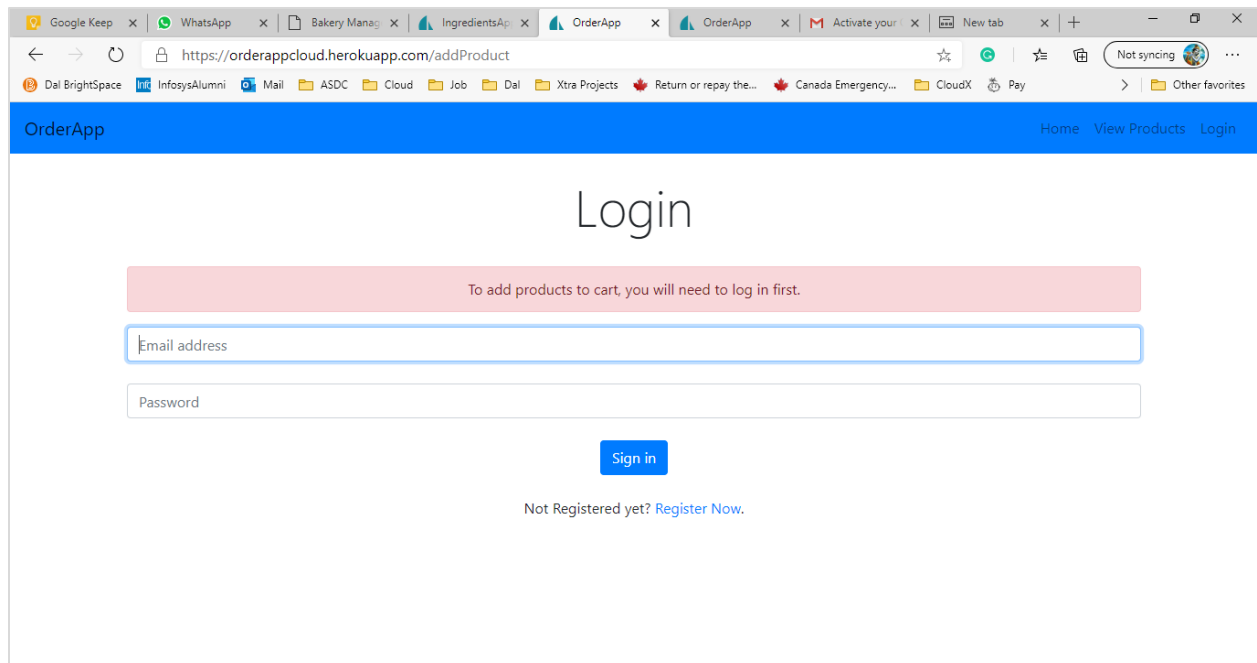


Workflow: Order App

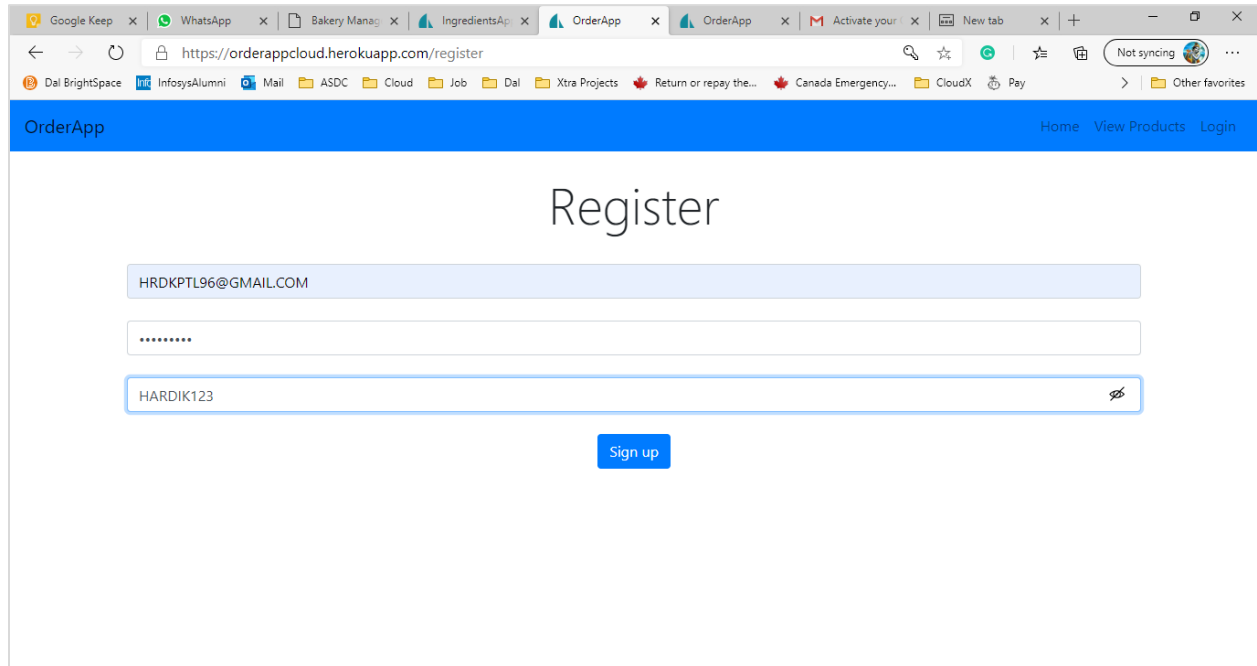
Home page of Order App



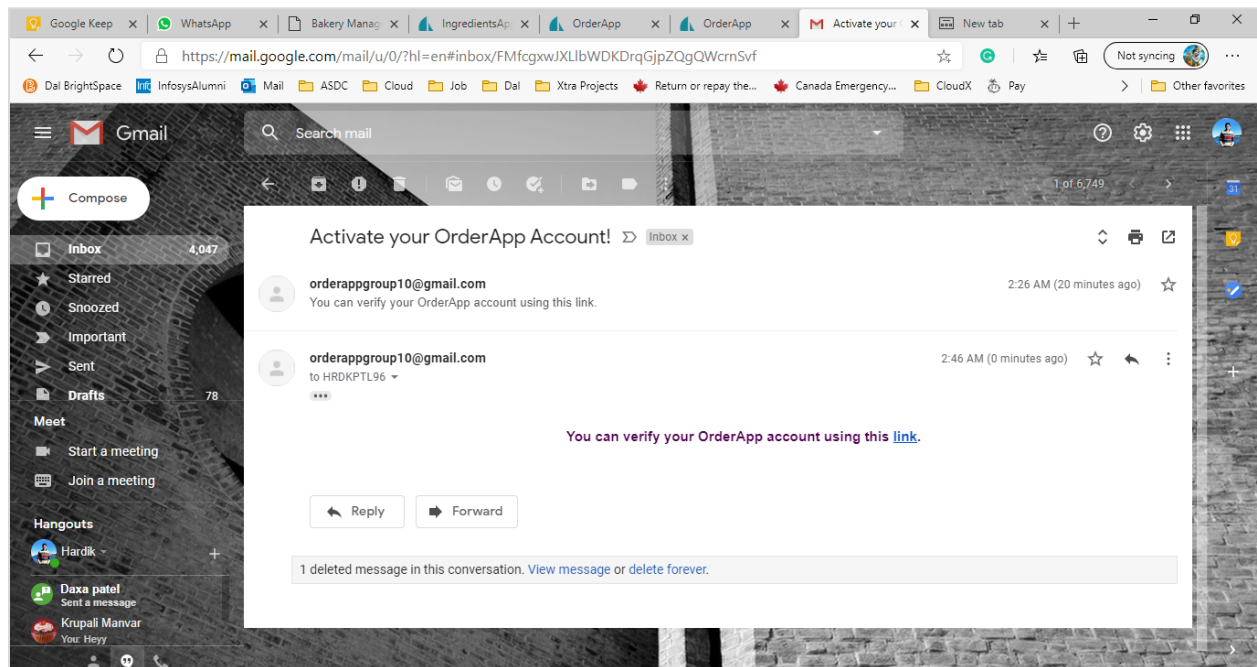
Login to Order App



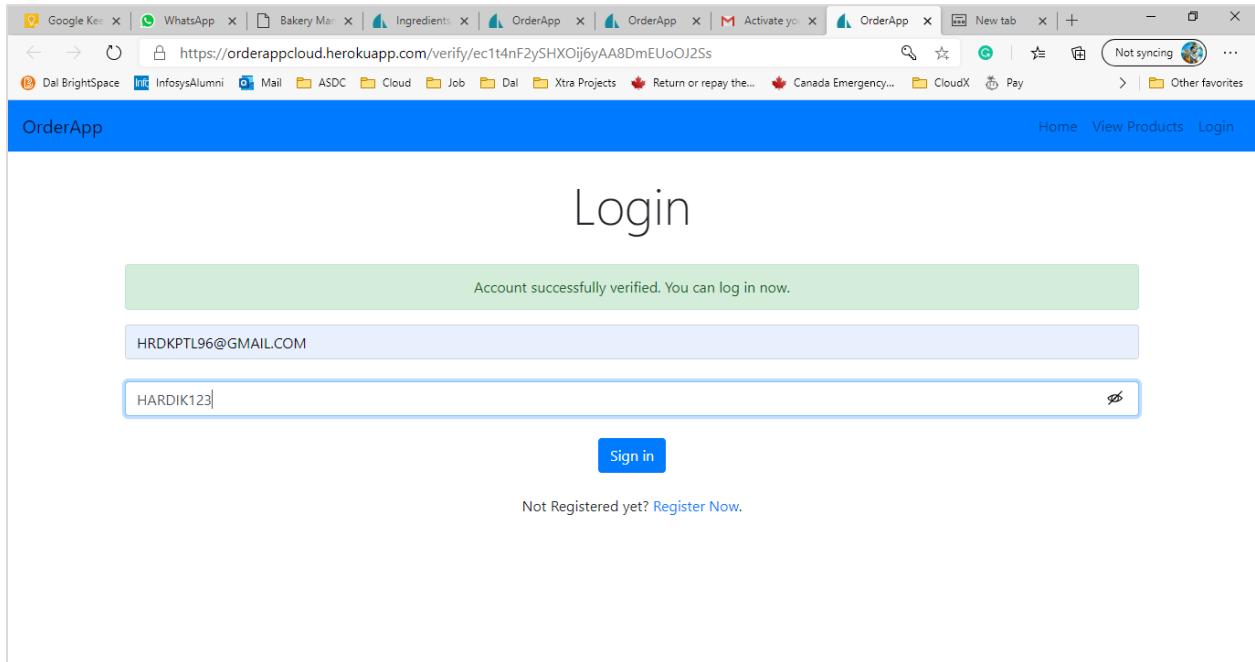
Register to Order App



The screenshot shows a web browser window with the URL <https://orderappcloud.herokuapp.com/register>. The page has a blue header with the text "OrderApp" and links for "Home", "View Products", and "Login". The main content area is titled "Register" and contains three input fields: an email field with "HRDKPTL96@GMAIL.COM", a password field with masked characters "*****", and a confirmation field with "HARDIK123". A blue "Sign up" button is located below the input fields.



Login to Order App



OrderApp Home View Products Login

Login

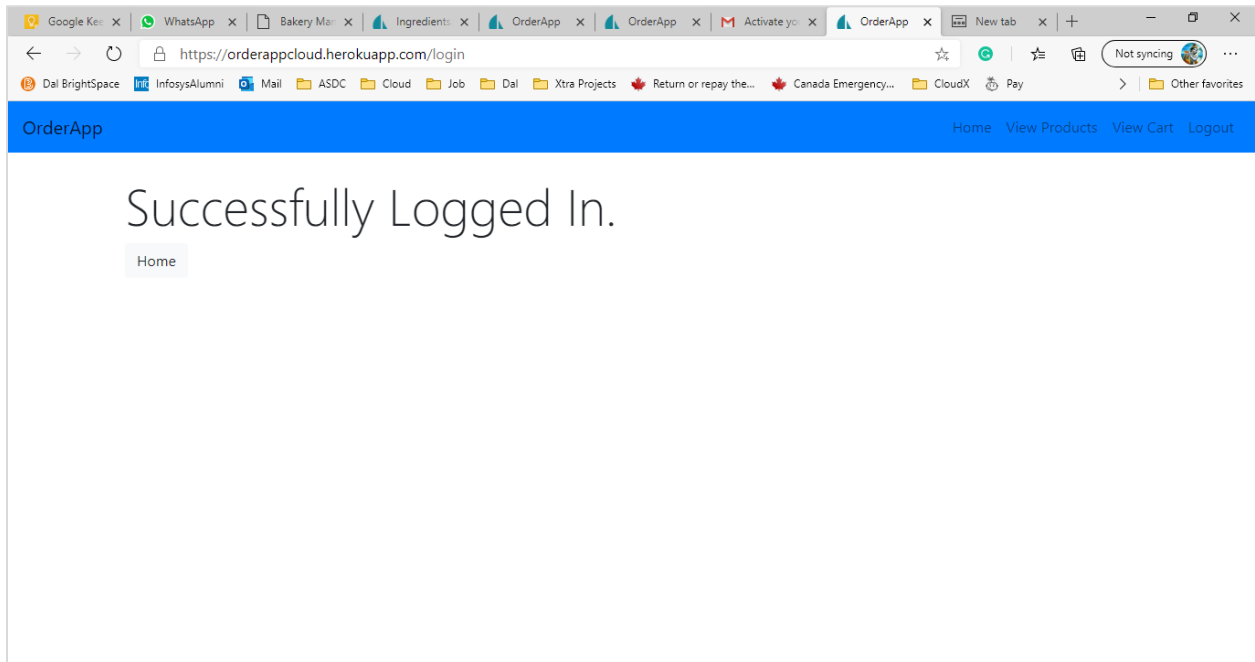
Account successfully verified. You can log in now.

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)

The screenshot shows a web browser window with the URL <https://orderappcloud.herokuapp.com/viewProducts>. The page has a blue header with the text "OrderApp" and navigation links: "Home", "View Products", "View Cart", and "Logout". Below the header, the main content area has the title "Product List" and a search bar labeled "Search Product". A table displays the product list with three columns: "Product Name", "Price", and "Action".

Product Name	Price	Action
Ice-cream Cake	100	View
Cake	200	View
Muffins	120	View

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

The screenshot shows a web browser window with the URL <https://orderappcloud.herokuapp.com/viewProduct>. The page has a blue header with the text "OrderApp" and navigation links: "Home", "View Products", "View Cart", and "Logout". Below the header, the main content area has the title "Ingredients of Cake". A table displays the ingredients with two columns: "Ingredient Name" and "Quantity in Product".

Ingredient Name	Quantity in Product
WHEAT	1
MILK	6
BREAD	3
SUGAR	2

Below the table, there is a blue button labeled "Add".

Add product to cart

OrderApp [Home](#) [View Products](#) [View Cart](#) [Logout](#)

Add Product to Cart

Name

Example select

[Add](#)

Confirm Order

OrderApp [Home](#) [View Products](#) [View Cart](#) [Logout](#)

Cart

Product Name	Quantity	Price	Total Amount	Action
Cake	2	200	400	Delete
Muffins	3	120	360	Delete

[Confirm Order](#)

Place Order

