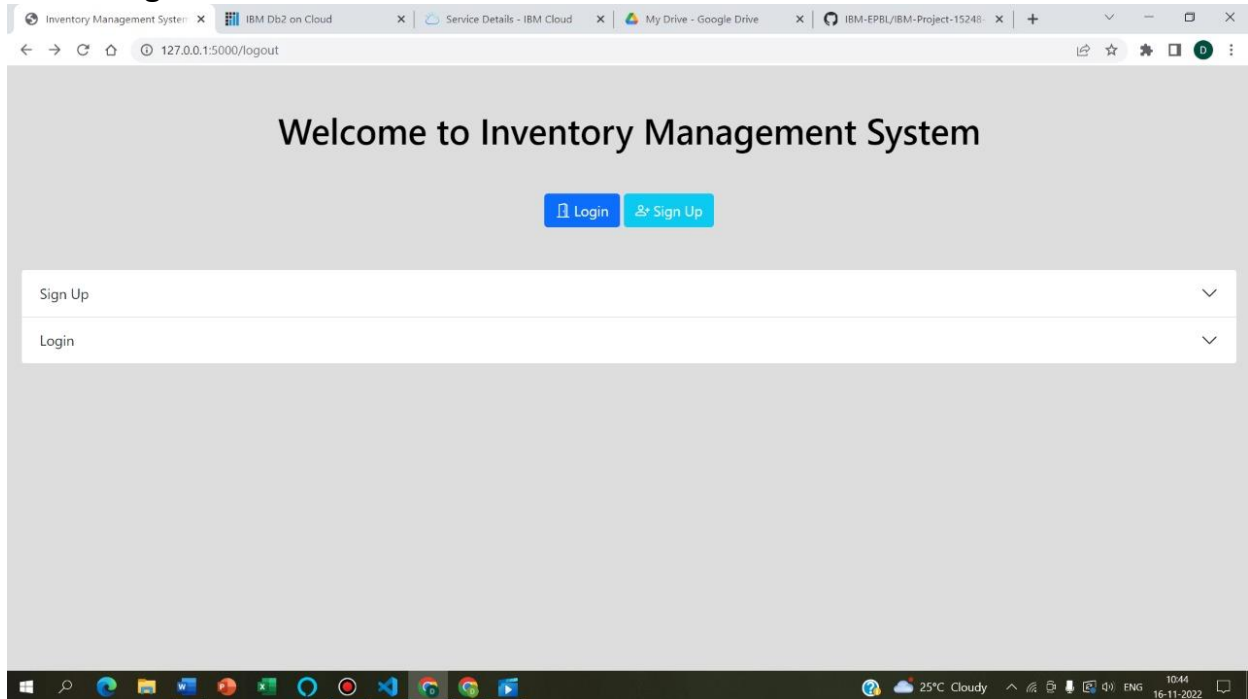


Implementing Web Application

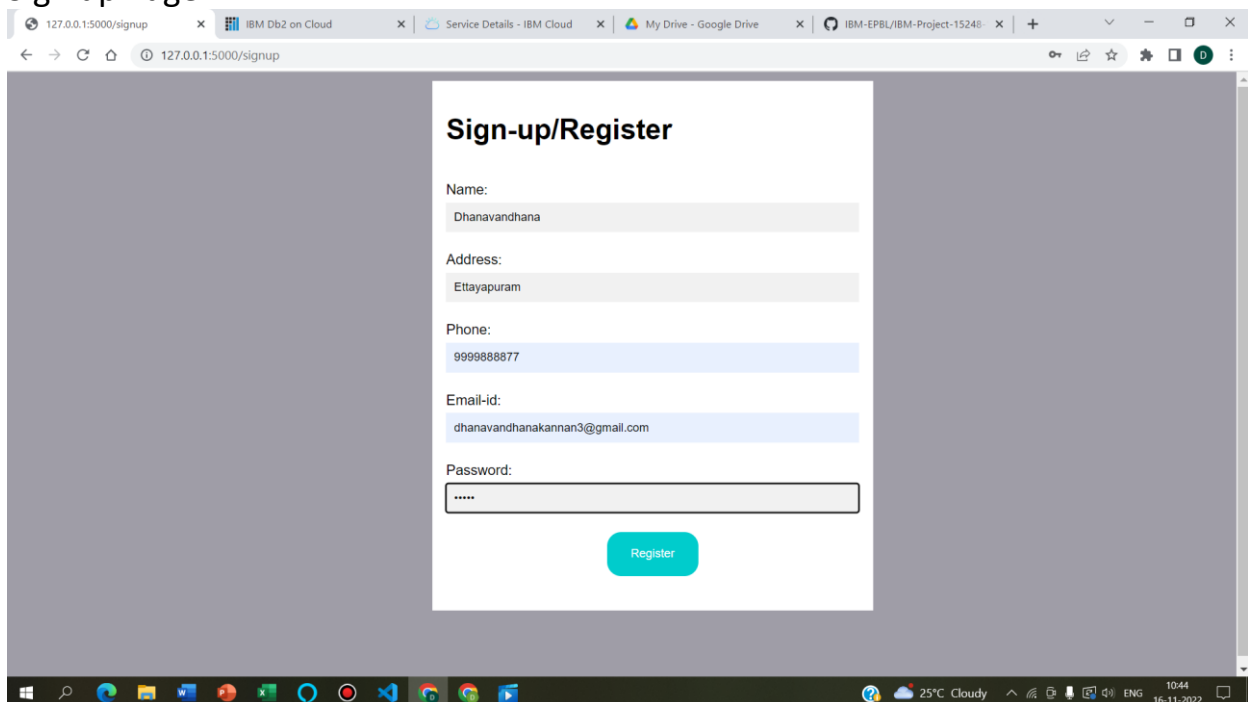
Date	16-11-2022
Team ID	PNT2022TMID12670
Project Name	Inventory Management System for retailers

Create UI to interact with application:

Home Page



Sign up Page



Login page

HTML5 Login Form with valid... x IBM Db2 on Cloud x Service Details - IBM Cloud x My Drive - Google Drive x IBM-EPBL/IBM-Project-15248 x

127.0.0.1:5000/login

Login

Dhanavandhana

***** ✓

LOGIN

Not a member? [Create Account](#)

Windows taskbar: 25°C Cloudy 10:45 16-11-2022

Dashboard

127.0.0.1:5000/login x IBM Db2 on Cloud x Service Details - IBM Cloud x My Drive - Google Drive x IBM-EPBL/IBM-Project-15248 x

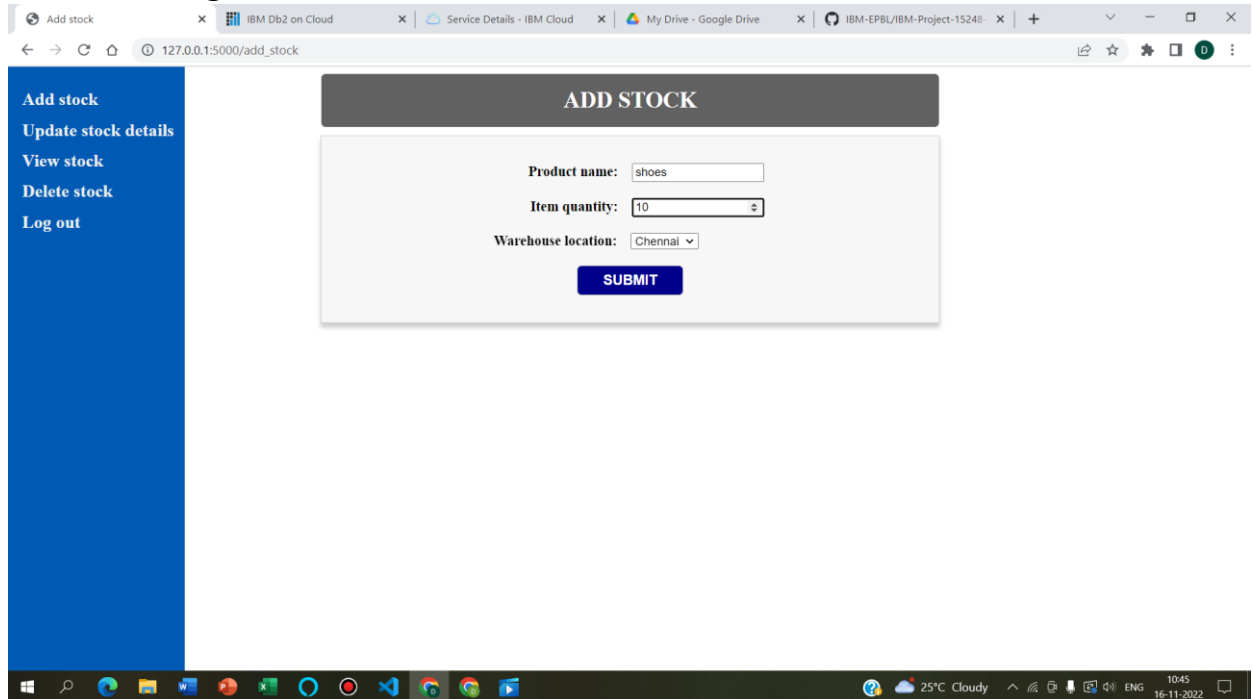
127.0.0.1:5000/login

- Add stock
- Update stock details
- View stock
- Delete stock
- Log out

Illustration of four people working with large red and blue blocks.

Windows taskbar: 25°C Cloudy 10:45 16-11-2022

Add Stock Page



The screenshot shows a web browser window with the URL `127.0.0.1:5000/add_stock`. On the left is a blue sidebar with the following menu items: **Add stock**, **Update stock details**, **View stock**, **Delete stock**, and **Log out**. The main content area has a dark grey header with the text **ADD STOCK**. Below this is a light grey form with three fields: **Product name:** with the text "shoes", **Item quantity:** with the value "10", and **Warehouse location:** with a dropdown menu showing "Chennai". A blue **SUBMIT** button is at the bottom of the form. The browser's taskbar at the bottom shows the Windows logo, search icon, and several application icons, along with system information: 25°C Cloudy, 10:45, 16-11-2022.

ADD STOCK

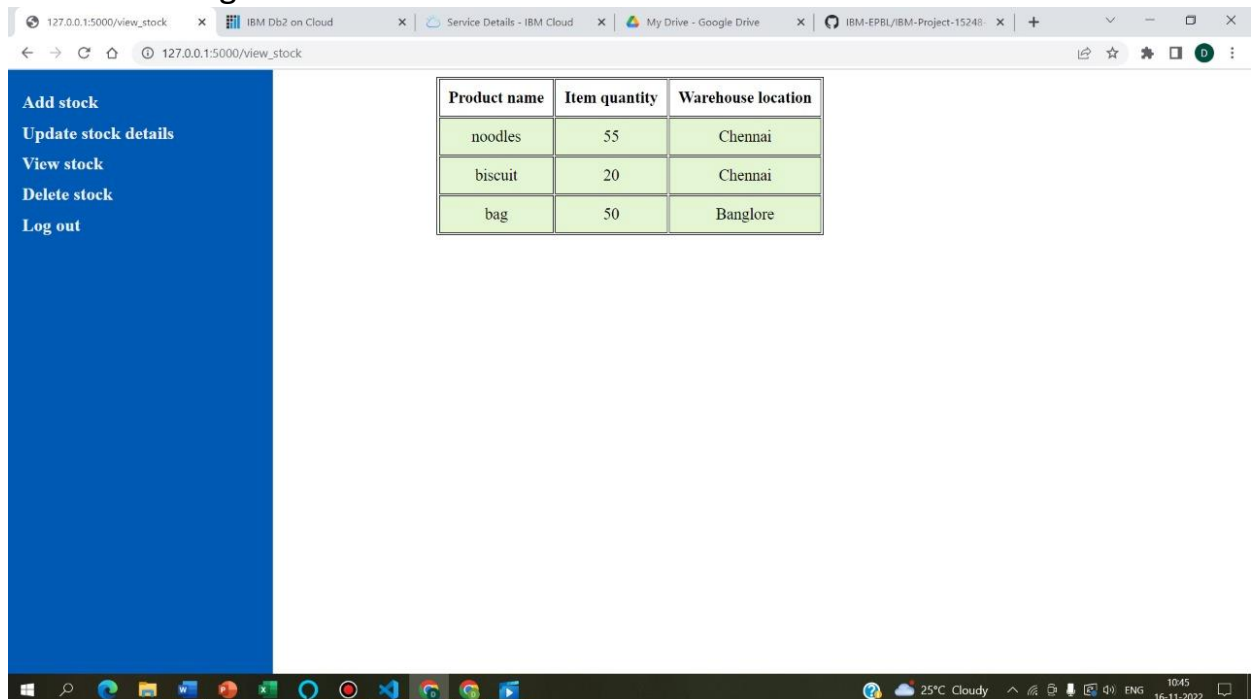
Product name: shoes

Item quantity: 10

Warehouse location: Chennai

SUBMIT

View Stock Page



The screenshot shows a web browser window with the URL `127.0.0.1:5000/view_stock`. On the left is a blue sidebar with the following menu items: **Add stock**, **Update stock details**, **View stock**, **Delete stock**, and **Log out**. The main content area displays a table with the following data:

Product name	Item quantity	Warehouse location
noodles	55	Chennai
biscuit	20	Chennai
bag	50	Banglore

The browser's taskbar at the bottom shows the Windows logo, search icon, and several application icons, along with system information: 25°C Cloudy, 10:45, 16-11-2022.

Update Stock Page

The screenshot shows a web browser window with the URL `127.0.0.1:5000/update`. On the left is a blue sidebar with the following menu items: **Add stock**, **Update stock details**, **View stock**, **Delete stock**, and **Log out**. The main content area has a dark grey header with the text **UPDATE STOCK**. Below this is a light grey form with three input fields: **Product name:** with the text 'shoes', **Item quantity:** with the value '4', and **Warehouse location:** with a dropdown menu showing 'Chennai'. A blue **UPDATE** button is positioned at the bottom of the form. The browser's taskbar at the bottom shows various application icons and system status information including '25°C Cloudy', '10:46', and '16-11-2022'.

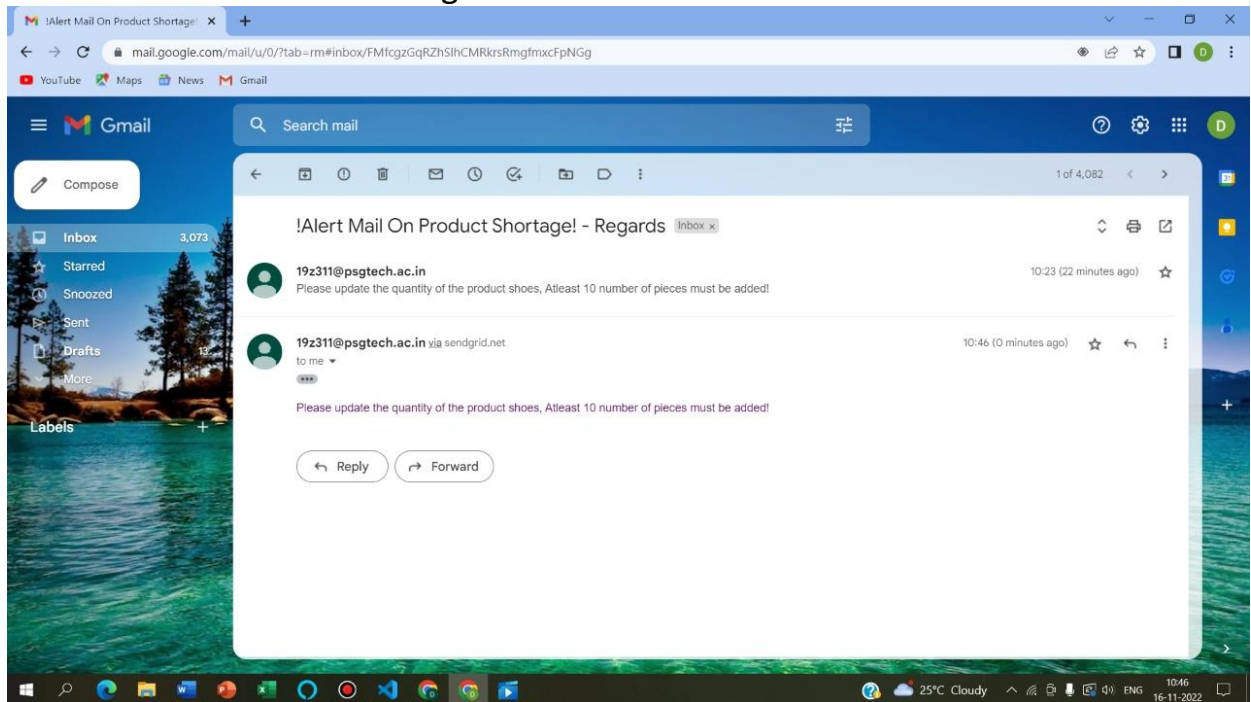
After Updating Stock

The screenshot shows the same web browser window, but the URL is now `127.0.0.1:5000/view_stock`. The sidebar menu remains the same. The main content area displays a table with the following data:

Product name	Item quantity	Warehouse location
noodles	55	Chennai
biscuit	20	Chennai
bag	50	Banglore
shoes	4	Chennai

The browser's taskbar at the bottom is identical to the previous screenshot, showing the same system status and application icons.

Alert Mail on Product Shortage



User Details table

The screenshot shows the IBM Db2 on Cloud console. The table 'XWZ94276.PEOPLE' is displayed with the following columns: USERNAME, ADDRESS, PHONE, EMAIL, and PASSWORD. The table contains 7 rows of data. The console interface includes a top navigation bar with options like 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. A 'Back' button is located in the top right corner of the table view. An 'Export to CSV' button is also visible.

USERNAME	ADDRESS	PHONE	EMAIL	PASSWORD
Dhanavandhana	Ettayapuram	9999888877	dhanavandhanakannan3@gmail.com	dhana
abc	abc	9999888877	abc@gmail.com	abc
akshara	coimbatore	9876543210	aksh@gmail.com	aksh
dhana	coimbatore	9998887771	dhana@gmail.com	dhana
vandhana	mysore	8888888888	van@gmail.com	van
xyz	address	phone	xyz@gmail.com	xyz

Product Details table

The screenshot shows the IBM Db2 on Cloud web interface. The browser tabs include 'Delete stock', 'IBM Db2 on Cloud', 'Service Details - IBM Cloud', 'My Drive - Google Drive', and 'IBM-EPBL/IBM-Project-15248'. The address bar shows a long URL. The page title is 'IBM Db2 on Cloud'. The navigation menu includes 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. The 'Tables' tab is selected, showing a table named 'XWZ94276.PRODUCT'. A 'Back' button is in the top right. An 'Export to CSV' button is in the top right. The table has three columns: 'PRODNAME', 'QUANTITY', and 'WAREHOUSE_LOCATION'. The data rows are:

PRODNAME	QUANTITY	WAREHOUSE_LOCATION
bag	50	Banglore
biscuit	20	Chennai
noodles	55	Chennai
shoes	4	Chennai

The Windows taskbar at the bottom shows the date and time as 10:47 on 16-11-2022.

Send Grid

The screenshot shows the SendGrid dashboard. The browser tabs include '127.0.0.1:5000', 'IBM Db2 on Cloud', 'Service Details', 'IBM-EPBL/IBM', 'My Drive - Google Drive', 'SendGrid', 'Secure your SendGrid account', and 'SendGrid'. The address bar shows 'app.sendgrid.com'. The dashboard has a sidebar with links to 'Marketing', 'Design Library', 'Stats', 'Activity', 'Suppressions', 'Settings', and 'Twilio SMS NEW'. The main content area shows a greeting 'Hello Dhanavandhana! Here's your recent email activity.' with a 'Wk' button. Below the greeting are six boxes showing email activity metrics:

REQUESTS	DELIVERED	OPENED	CLICKED	BOUNCES	SPAM REPORTS
0	N/A 0	N/A 0	N/A 0	N/A 0	N/A 0

Below the metrics is a 'REPUTATION' bar chart showing 100% and a 'VIEW ACCOUNT USAGE' link. The Windows taskbar at the bottom shows the date and time as 10:52 on 16-11-2022.

Email activity in Send Grid

The screenshot shows the SendGrid Activity Feed interface. The left sidebar contains navigation links: Dashboard, Email API, Marketing, Design Library, Stats, Activity, Suppressions, Settings, and Twilio SMS. The main area is titled "Activity Feed" and shows a search bar with the email address "dhanavandhanakannan3@gmail.com" and a date range of "2022/11/13 - 2022/11/16". Below the search bar, there is a table with columns: STATUS, MESSAGE, LAST EVENT RECEIVED, OPENS, and CLICKS. The table displays four rows of email activity, all with a status of "Delivered" and a message of "Alert Mail On Product Shortage! - Regards". The last event received for each row is "2022/11/16 5:16am UTC+00:00", "2022/11/16 4:53am UTC+00:00", "2022/11/15 8:33am UTC+00:00", and "2022/11/15 8:30am UTC+00:00" respectively. The OPENS and CLICKS columns show 0 for all rows. The bottom of the interface shows a reputation bar at 100% and a system tray with the date 16-11-2022.

STATUS	MESSAGE	LAST EVENT RECEIVED	OPENS	CLICKS
Delivered	To: dhanavandhanakannan3@gmail.com Alert Mail On Product Shortage! - Regards	2022/11/16 5:16am UTC+00:00	0	0
Delivered	To: dhanavandhanakannan3@gmail.com Alert Mail On Product Shortage! - Regards	2022/11/16 4:53am UTC+00:00	0	0
Delivered	To: dhanavandhanakannan3@gmail.com Alert Mail On Product Shortage! - Regards	2022/11/15 8:33am UTC+00:00	0	0
Delivered	To: dhanavandhanakannan3@gmail.com Alert Mail On Product Shortage! - Regards	2022/11/15 8:30am UTC+00:00	0	0

Create IBM DB2 and connect with python

The screenshot shows the IBM Db2 on Cloud interface. The top navigation bar includes links: Load Data, Load History, Tables, Views, Indexes, Aliases, MQTs, Sequences, and Application objects. The main area is titled "Tables" and shows a list of tables: PEOPLE and PRODUCT. The right panel displays the "Table definition" for the PRODUCT table, showing columns: PRODNAME (VARCHAR, 32, Y, 0), QUANTITY (INTEGER, Y, 0), and WAREHOUSE_LOCATION (VARCHAR, 32, Y, 0). The bottom of the interface shows a system tray with the date 16-11-2022.

Name	Data type	Nullable	Length	Scale
PRODNAME	VARCHAR	Y	32	0
QUANTITY	INTEGER	Y		0
WAREHOUSE_LOCATION	VARCHAR	Y	32	0