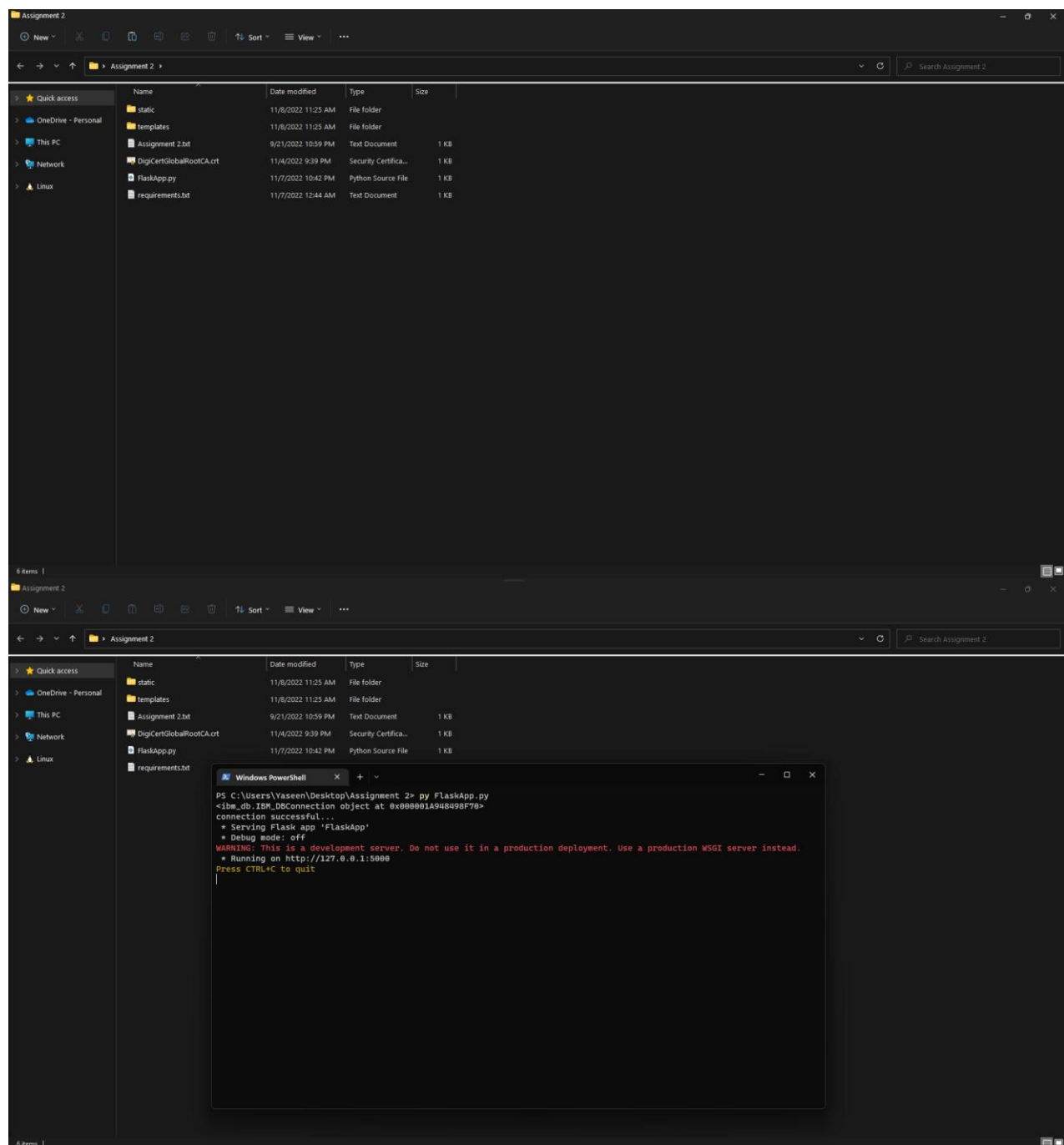
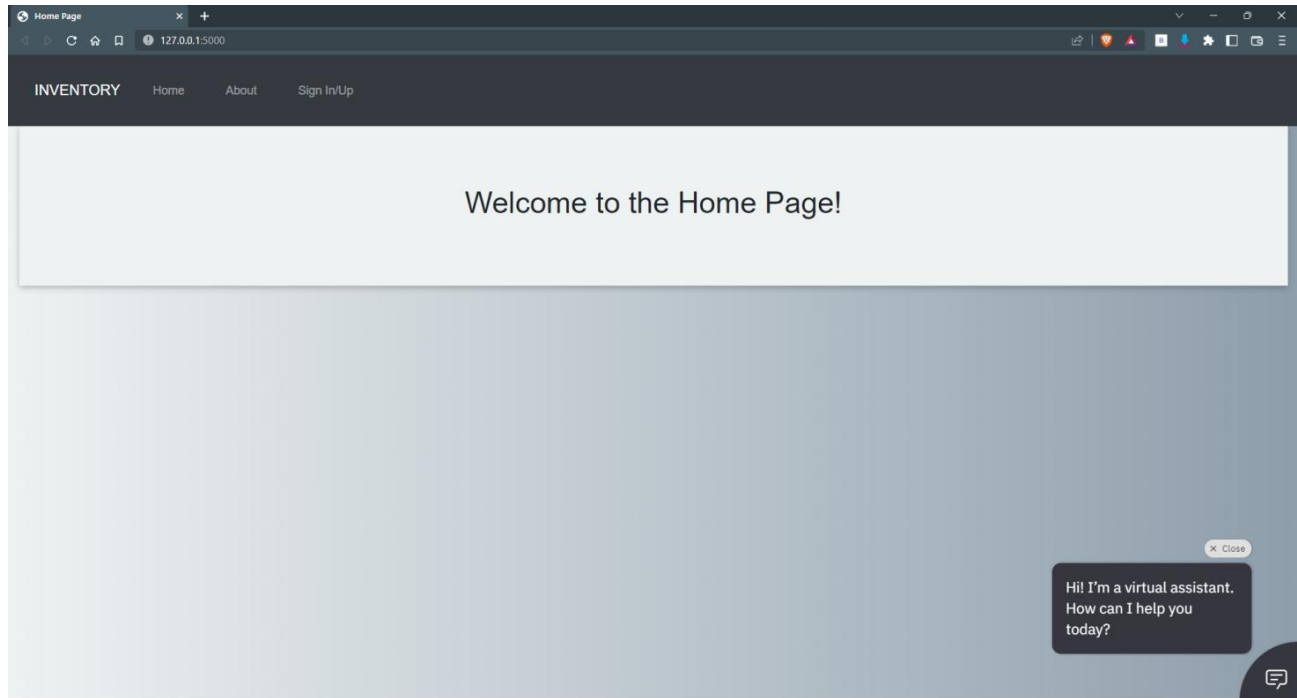


# Setting Up Application Environment

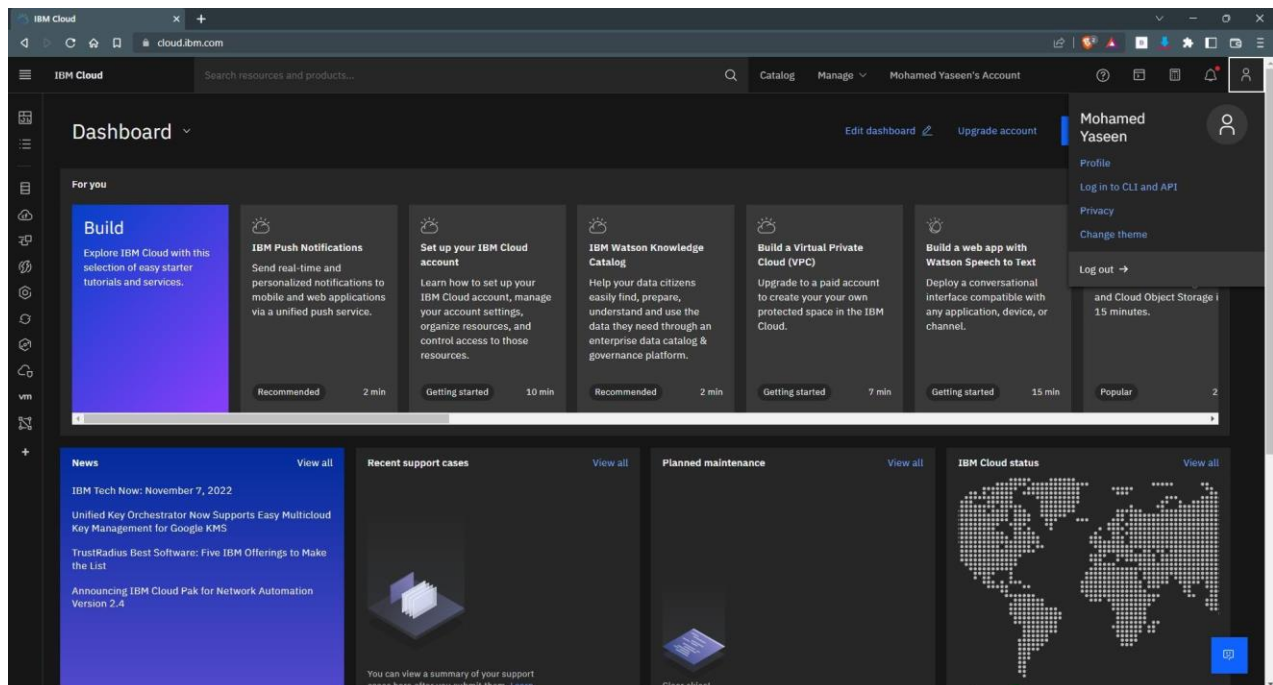
Date	14 November 2022
Team ID	PNT2022TMID13736
Project Name	Project – Inventory Management System for Retailers

## Flask Project:





## Create IBM Cloud Account:



# Install IBM Cloud CLI:

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Vaseen> ibmcloud update
Checking for updates...
No update required. Your CLI is already up-to-date.
To view available plugin updates, run 'C:\Program Files\IBM\Cloud\bin\ibmcloud.exe plugin list'.
PS C:\Users\Vaseen> ibmcloud --v
C:\Program Files\IBM\Cloud\bin\ibmcloud.exe version 2.12.1*b8488a1-2022-10-31T15:00:10+00:00
PS C:\Users\Vaseen> |
```

# Docker Setup:

The screenshot shows the Docker Desktop application window. On the left is a sidebar with navigation options: Containers (selected), Images, Volumes, Dev Environments, and Extensions. The main area is titled 'Containers' and displays a table of running containers. Below the table, a Windows PowerShell terminal window is open, showing the command 'docker --v' and its output: 'Docker version 20.10.20, build 9fdeb9c'.

NAME	IMAGE	STATUS	PORTS	STARTED	ACTIONS
Test	aman:latest	Exited	4971:5000		
laughing_brattain	aman:latest	Exited	5000:5000		
eager_elbakyan	docker/getting-started:latest	Running	80:80	11 seconds ago	

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Vaseen> docker --v
Docker version 20.10.20, build 9fdeb9c
PS C:\Users\Vaseen>
```

The screenshot shows the 'Getting Started' page of the Docker tutorial. The page has a blue header with the Docker Labs logo and a search bar. The main content area is titled 'Getting Started' and includes a 'Table of contents' on the right. The 'The command you just ran' section displays the command 'docker run -d -p 80:80 docker/getting-started' in a code block. Below this, a 'Pro tip' box explains how to combine single character flags to shorten the command to 'docker run -dp 80:80 docker/getting-started'.

## Getting Started

The command you just ran

```
docker run -d -p 80:80 docker/getting-started
```

You'll notice a few flags being used. Here's some more info on them:

- `-d` - run the container in detached mode (in the background)
- `-p 80:80` - map port 80 of the host to port 80 in the container
- `docker/getting-started` - the image to use

**Pro tip**

You can combine single character flags to shorten the full command. As an example, the command above could be written as:

```
docker run -dp 80:80 docker/getting-started
```

## The Docker Dashboard

Before going too far, we want to highlight the Docker Dashboard, which gives you a quick view of the containers running on your machine. It gives you quick access to container logs, lets you net

# Create an account in SendGrid:

The screenshot shows the SendGrid dashboard for a user named Mohamed Yaseen. The browser address bar shows `app.sendgrid.com/guide`. On the left is a sidebar menu with options: Dashboard, Email API, Marketing, Design Library, Stats, Activity, Suppressions, Settings, and Twilio SMS (marked as NEW). Below the menu, a 'REPUTATION' bar is at 100%, and a link for 'VIEW ACCOUNT USAGE' is present. The main content area has a 'Welcome, Mohamed!' message with a sub-header 'To get up and running quickly, please follow the steps outlined below.' and an illustration of two people jumping. A blue banner reads 'Send your first emails with Twilio SendGrid'. Below this is a 'Create a sender identity' section. It explains that a sender identity is the 'from' email address and offers two ways to create one: 'Create a Single Sender' (highlighted in blue) and 'Authenticate a domain instead'. A diagram shows an email header with 'Your Business' as the sender and 'yourbiz@your\_business.com' as the email address. Below this is a 'Send your first email' section with a note: 'Please create a sender identity before sending your first email.' At the bottom, a grey bar contains the text 'Remove email sending limits'.

SendGrid

app.sendgrid.com/guide

Mohamed Yaseen

Dashboard

Email API

Marketing

Design Library

Stats

Activity

Suppressions

Settings

Twilio SMS NEW

REPUTATION 100%

VIEW ACCOUNT USAGE

## Welcome, Mohamed!

To get up and running quickly, please follow the steps outlined below.

### Send your first emails with Twilio SendGrid

#### Create a sender identity

Before sending email, you'll need to create a sender identity. There are [two ways](#) to do this, but we recommend creating a Single Sender to get set up quickly and test your email integration.

[Create a Single Sender](#) [Authenticate a domain instead](#)

Your sender identity is the "from" email address your recipients will see in their inbox. [Learn more](#) about this.

#### Send your first email

Please create a sender identity before sending your first email.

#### Remove email sending limits