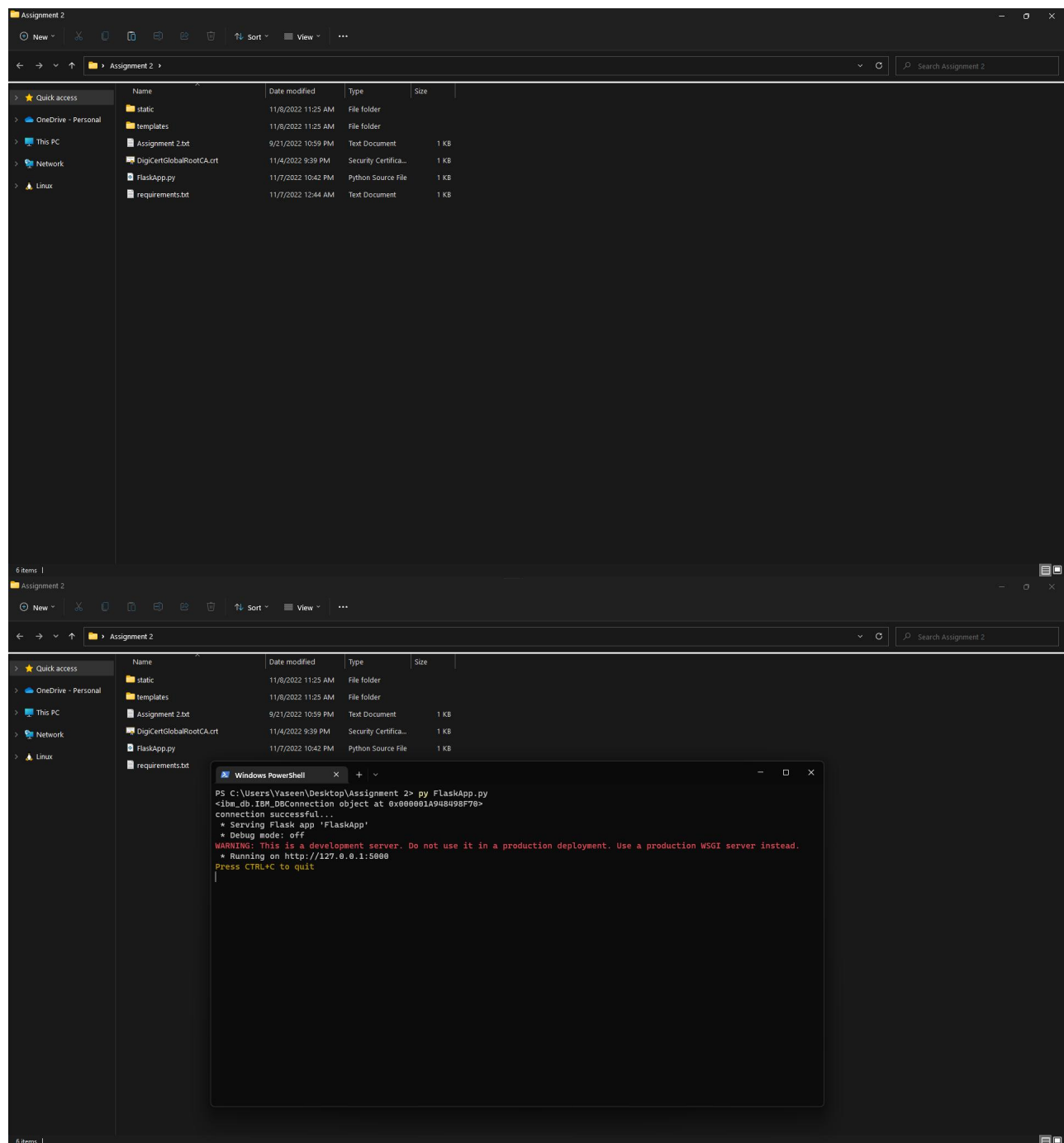
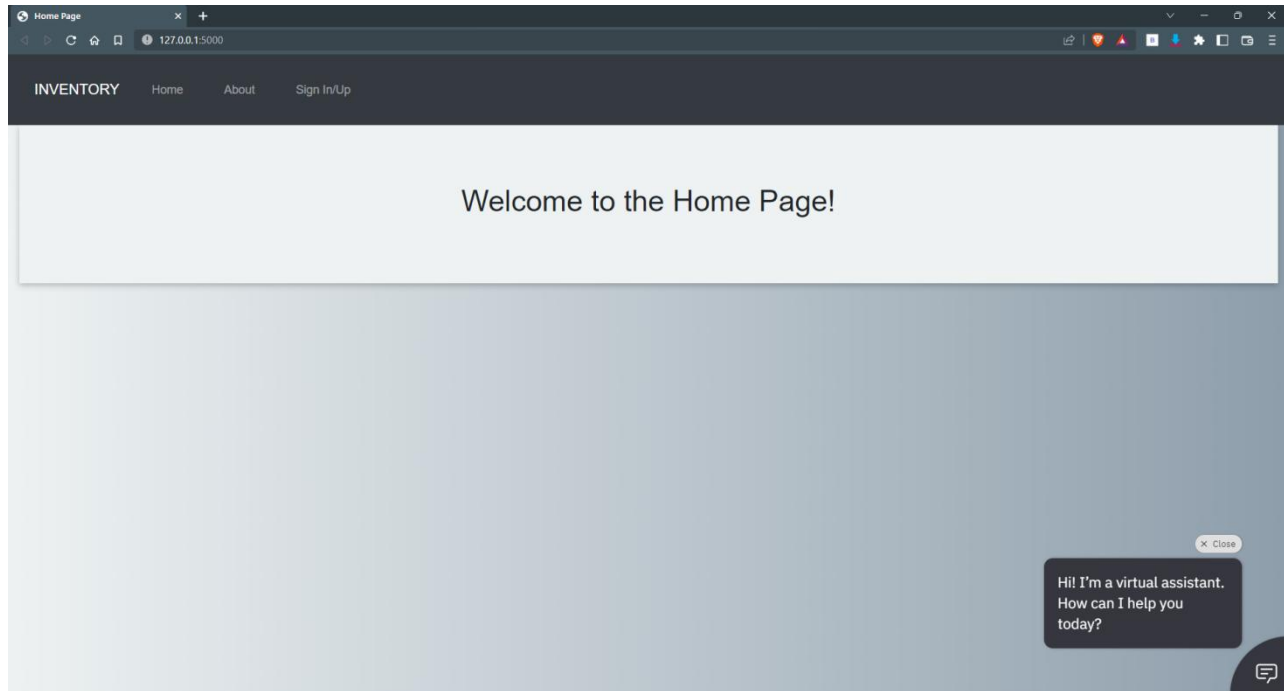


Setting Up Application Environment

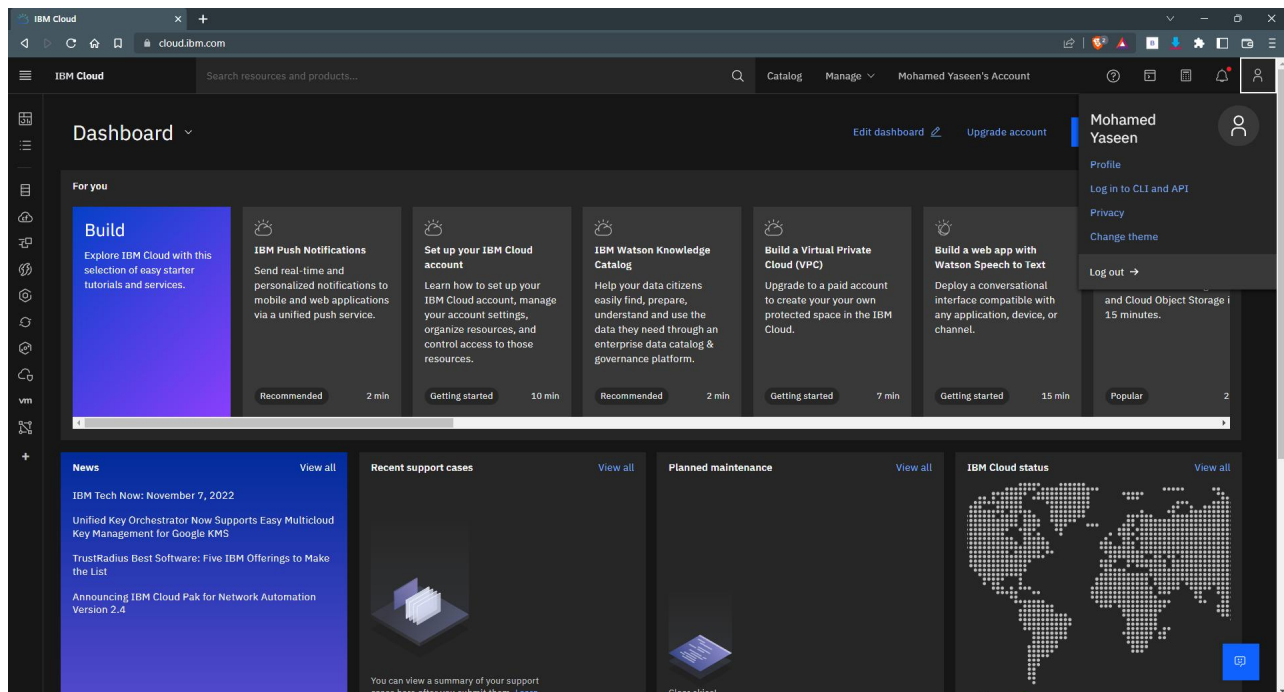
Date	31October 2022
Team ID	PNT2022TMID24001
Project Name	Project – Inventory Management System for Retailers

Flask Project:





Create IBM Cloud Account:



Install IBM Cloud CLI:

```
Windows PowerShell
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PS C:\Users\Yaseen> 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\Yaseen> ibmcloud --v
C:\Program Files\IBM\Cloud\bin\ibmcloud.exe version 2.12.1+b8488a1-2022-10-31T15:08:10+00:00
PS C:\Users\Yaseen> |
```

Docker Setup:

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

NAME	IMAGE	STATUS	PORT(S)	STARTED	ACTIONS
Test 0ef8796b07fb	aman/latest	Exited	4971:5000		
laughing_brattain 42ccaa2ef8d	aman/latest	Exited	5000:5000		
eager_elbakyan 9bba0247a24d	docker/getting-started:latest	Running	80:80	11 seconds ago	

```
Windows PowerShell
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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 Labs 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 contains a table of contents, a section for the command just run, and a 'Pro tip' section.

Getting Started

Table of contents

- The command you just ran
- The Docker Dashboard
- What is a container?
- What is a container image?

The command you just ran

Congratulations! You have started the container for this tutorial! Let's first explain the command that you just ran. In case you forgot, here's the command:

```
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 get

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). The main content area has a welcome message: "Welcome, Mohamed!" followed by "To get up and running quickly, please follow the steps outlined below." Below this is a blue banner that says "Send your first emails with Twilio SendGrid". The first step is "Create a sender identity", which includes instructions and a button to "Create a Single Sender". The second step is "Send your first email", with a note to create a sender identity first. At the bottom, there is a section for "Remove email sending limits".

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