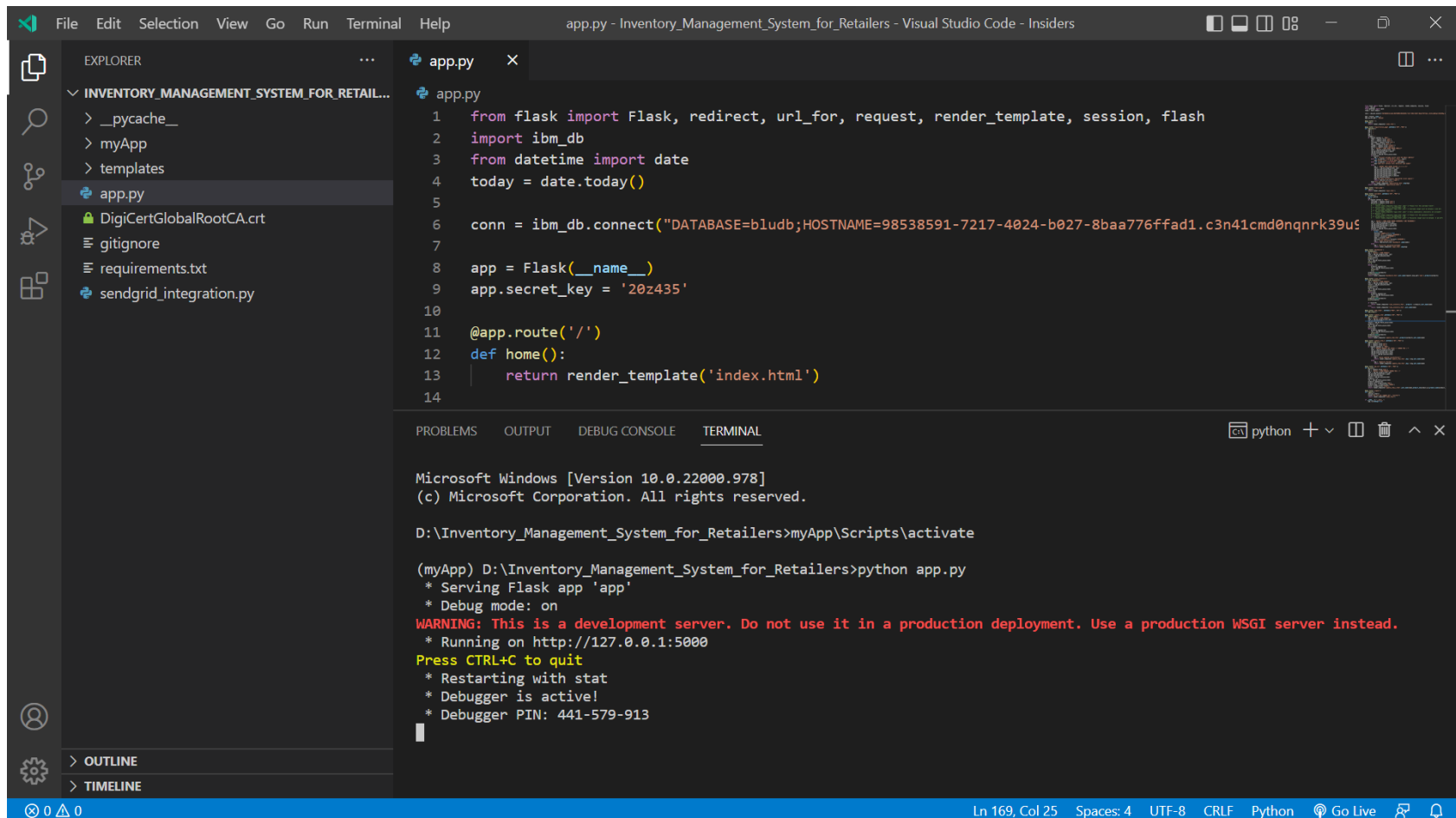


Setting Up Application Environment

Date	03 October 2022
Team ID	PNT2022TMID12716
Project Name	Inventory Management System For Retailers

Create Flask Project:



```
File Edit Selection View Go Run Terminal Help app.py - Inventory_Management_System_for_Retailers - Visual Studio Code - Insiders

EXPLORER
INVENTORY_MANAGEMENT_SYSTEM_FOR_RETAIL...
  > __pycache__
  > myApp
  > templates
  app.py
  DigiCertGlobalRootCA.crt
  gitignore
  requirements.txt
  sendgrid_integration.py

app.py
1 from flask import Flask, redirect, url_for, request, render_template, session, flash
2 import ibm_db
3 from datetime import date
4 today = date.today()
5
6 conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=98538591-7217-4024-b027-8baa776ffad1.c3n41cmd0nqnkrk39u5
7
8 app = Flask(__name__)
9 app.secret_key = '20z435'
10
11 @app.route('/')
12 def home():
13     return render_template('index.html')
14

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
python

Microsoft Windows [Version 10.0.22000.978]
(c) Microsoft Corporation. All rights reserved.

D:\Inventory_Management_System_for_Retailers>myApp\Scripts\activate

(myApp) D:\Inventory_Management_System_for_Retailers>python app.py
* Serving Flask app 'app'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 441-579-913
```

Create IBM Cloud Account

The screenshot displays the IBM Cloud dashboard in a web browser. The browser's address bar shows the URL `cloud.ibm.com`. The dashboard header includes the IBM Cloud logo, a search bar, and navigation links for 'Catalog', 'Manage', and the user's account 'Udhayakumaran H's Ac...'. A sidebar on the left contains icons for various services like Cloud Functions, Cloud Object Storage, and Virtual Machines. The main content area is titled 'Dashboard' and features a 'For you' section with five recommended actions: 'Build' (tutorials), 'Build a web app with Watson Speech to Text' (15 min), 'Get Started with Watson Studio' (2 hr), 'IBM Watson Internet of Things Platform' (2 min), and 'Build a Virtual Private Cloud (VPC)' (7 min). Each action includes a brief description and a 'Getting started' button. At the bottom, there are sections for 'User access', 'News' (highlighted with a blue bar), and 'Planned maintenance'.

IBM Cloud

cloud.ibm.com

The 1% Finance Club Udhayakumaran H PRIEE Assignment IBM-EPBL/Assignm... IBM-PRIEE Pugalenthil Selvan T... Chart Patterns Chea... Referral links PRIEE Reference 2'

IBM Cloud Search resources and products... Catalog Manage Udhayakumaran H's Ac... ? ? ? ? ?

Dashboard Edit dashboard Upgrade account Create resource

For you quickStart.optionSelect

Build
Explore IBM Cloud with this selection of easy starter tutorials and services.

Build a web app with Watson Speech to Text
Deploy a conversational interface compatible with any application, device, or channel.
Getting started 15 min

Get Started with Watson Studio
Get started with using AI and Cloud Object Storage in 15 minutes.
Popular 2 hr

IBM Watson Internet of Things Platform
Communicate with connected devices, monitor and analyze data in real time, connect your own IoT apps and add Watson AI to the solution.
Recommended 2 min

Build a Virtual Private Cloud (VPC)
Upgrade to a paid account to create your own protected space in the IBM Cloud.
Getting started 7 min

User access Manage users News View all Planned maintenance View

Enter email addresses below to jump directly into

IBM Named a Leader in Gartner Magic Quadrant for

Install Cloud IBM CLI

```
Administrator: Command Prompt

C:\Windows\system32>ibmcloud -help
NAME:
  ibmcloud - A command line tool to interact with IBM Cloud
  Find more information at: https://ibm.biz/cli-docs

USAGE:
  [environment variables] ibmcloud [global options] command [arguments...] [command options]

VERSION:
  2.12.1+b8488a1-2022-10-31T15:08:10+00:00

COMMANDS:
  account      Manage accounts, users, orgs and spaces
  api          Set or view target API endpoint
  billing      Retrieve usage and billing information
  catalog      Manage catalog
  cf           Run Cloud Foundry CLI with IBM Cloud CLI context
  config       Write default values to the config
  dev          Create, develop, deploy, and monitor applications
  enterprise   Manage enterprise, account groups and accounts.
  iam          Manage identities and access to resources
  login        Log user in
  logout       Log user out
  plugin       Manage plug-ins and plug-in repositories
  regions      List all the regions
  resource     Manage resource groups and resources
  resources    List all resources
  sl           Manage Classic infrastructure services
  target       Set or view the targeted region, account, resource group, org or space
  update       Update CLI to the latest version
  version      Print the version
  help, h      Show help

Enter 'ibmcloud help [command]' for more information about a command.

ENVIRONMENT VARIABLES:
  IBMCLCLOUD_COLOR=false          Do not colorize output
  IBMCLCLOUD_VERSION_CHECK=false  Do not check latest version for update
  IBMCLCLOUD_HTTP_TIMEOUT=5       A time limit for HTTP requests
  IBMCLCLOUD_API_KEY=api_key_value API Key used for login
  IBMCLCLOUD_CR_VPC_URL=url_value The custom server URL to use when obtaining an instance identity token and IAM token as a VPC VSI compute resource. This value will replace the default server endpoint of the VPC VSI instance identity token service.
```

Docker CLI Installation

```
Administrator: Command Prompt
C:\Windows\system32>docker --help

Usage:  docker [OPTIONS] COMMAND



A self-sufficient runtime for containers


Options:
  --config string      Location of client config files (default
                        "C:\\Users\\sruth\\.docker")
  -c, --context string  Name of the context to use to connect to the
                        daemon (overrides DOCKER_HOST env var and
                        default context set with "docker context use")
  -D, --debug           Enable debug mode
  -H, --host list       Daemon socket(s) to connect to
  -l, --log-level string Set the logging level
                        ("debug"|"info"|"warn"|"error"|"fatal")
                        (default "info")
  --tls                Use TLS; implied by --tlsverify
  --tlscacert string    Trust certs signed only by this CA (default
                        "C:\\Users\\sruth\\.docker\\ca.pem")
  --tlscert string      Path to TLS certificate file (default
                        "C:\\Users\\sruth\\.docker\\cert.pem")
  --tlskey string       Path to TLS key file (default
                        "C:\\Users\\sruth\\.docker\\key.pem")
  --tlsverify           Use TLS and verify the remote
  -v, --version         Print version information and quit




Management Commands:
  builder      Manage builds
  buildx*      Docker Buildx (Docker Inc., v0.9.1)
  compose*     Docker Compose (Docker Inc., v2.12.1)
  config       Manage Docker configs
  container     Manage containers
  context       Manage contexts
  dev*         Docker Dev Environments (Docker Inc., v0.0.3)
  extension*   Manages Docker extensions (Docker Inc., v0.2.13)
  image        Manage images
  manifest     Manage Docker image manifests and manifest lists
  network      Manage networks
  node         Manage Swarm nodes
  plugin       Manage plugins
  sbom*        View the packaged-based Software Bill Of Materials (SBOM) for an image (Anchore Inc., 0.6.0)
  scan*        Docker Scan (Docker Inc., v0.21.0)
```


Docker Desktop


Upgrade plan





udhayakumaran




 Containers

 Images


 Volumes

 Dev Environments BETA

Extensions BETA

 Add Extensions


Containers


[Give feedback](#) 












A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)

☐


Only show running containers


 Search



<input type="checkbox"/>		NAME	IMAGE	STATUS	PORT(S)	STARTED	ACTIONS
<input type="checkbox"/>		docker-tutorial ea2468ea3cc2 	docker101tutorial:latest	Exited	80:80 		  
<input type="checkbox"/>		repo 618ed8bd18c4 	alpine/git:latest	Exited			  

Showing 2 items



RAM 1.29GB CPU 0.11%  Connected to Hub

v4.13.1 