

# Project Development Phase

## Delivery of Sprint 4 - Deployment

DATE	15 November 2022
TEAM ID	PNT2022TMID19616
PROJECT NAME	Inventory Management System for Retailers

Push Image to Dockerhub:

```
PowerShell
Loading personal and system profiles took 534ms.
→ flaskapp git:(main) code .
→ flaskapp git:(main) docker login
Authenticating with existing credentials...
Login Succeeded

Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/
→ flaskapp git:(main) docker tag inventory akaash007/inventory:tatest
→ flaskapp git:(main) docker push akaash007/inventory:tatest
The push refers to repository [docker.io/akaash007/inventory]
40ded361844d: Pushed
4cc577098a3b: Pushed
ffe20d996398: Pushed
371c3d5ecf92: Pushed
bfc1deb8136e: Pushed
1f123186824c: Pushed
3d6eb1152931: Pushed
100796cdf3b1: Pushed
54acb5a6fa0b: Pushed
8d51c618126f: Pushed
9ff6e4d46744: Pushed
a89d1d47b5a1: Pushed
655ed1b7a428: Pushed
tatest: digest: sha256:3a1161b5252df6a4f1f0f41d8623a6ada2bb665900b0c6465102869726c99e31 size: 3053
→ flaskapp git:(main) |
```

Docker Image for Flask App:

Containers

Images

Volumes

Dev Environments BETA

Extensions BETA

Add Extensions

Images on disk

Last refresh: 40 minutes ago 3.46 GB total size 1.39 GB / 3.46 GB in use

Images

An image is a read-only template with instructions for creating a Docker container. [Learn more](#)

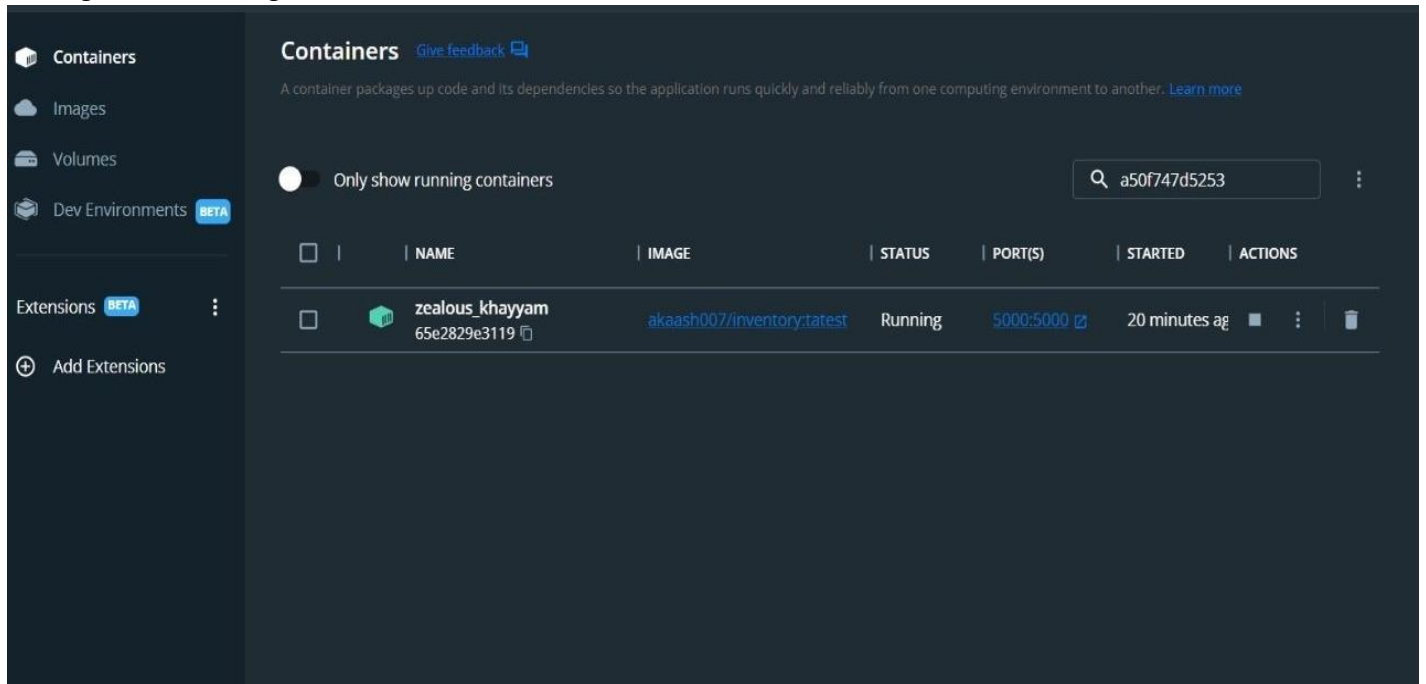
LOCAL

REMOTE REPOSITORIES

Search

	NAME	TAG	STATUS	CREATED	SIZE	ACTIONS
<input type="checkbox"/>	akaash007/inventory a50f747d5253	tatest	In use	22 minutes ago	1.1 GB	<div></div> <div></div> <div></div>
<input type="checkbox"/>	inventory a50f747d5253	latest	In use	22 minutes ago	1.1 GB	<div></div> <div></div> <div></div>
<input type="checkbox"/>	flaskapp-for-kuber aa418f5b367c	latest	Unused	9 days ago	904.54 MB	<div></div> <div></div> <div></div>
<input type="checkbox"/>	flaskapp 9ce8223d2f49	latest	Unused	10 days ago	932.41 MB	<div></div> <div></div> <div></div>
<input type="checkbox"/>	icr.io/ibmtraining/flaskapp-for-kube 9ce8223d2f49	latest	Unused	10 days ago	932.41 MB	<div></div> <div></div> <div></div>
<input type="checkbox"/>	icr.io/ibmtraining/flaskapp	latest	Unused	10 days ago	932.41 MB	<div></div> <div></div> <div></div>

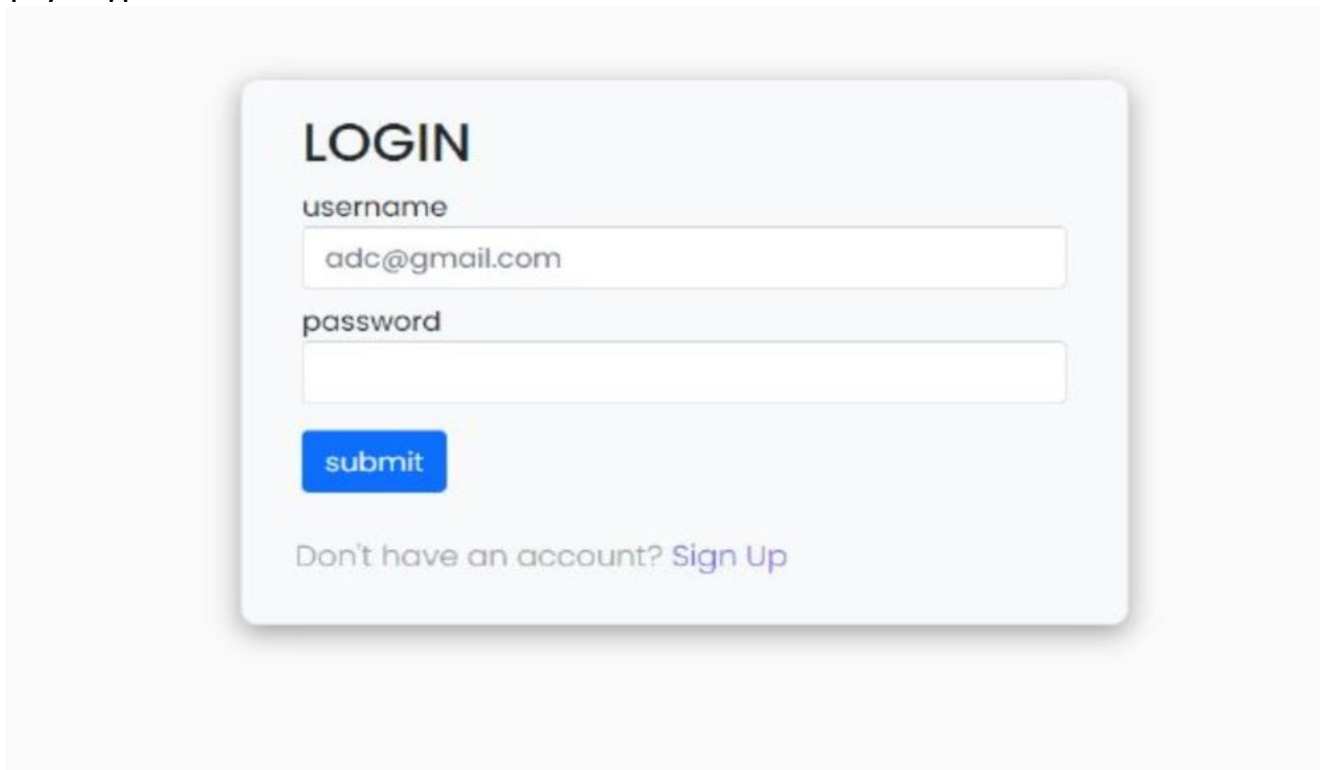
## Running the Docker Image in a Container:



The screenshot shows the Docker Desktop interface. On the left is a sidebar with navigation options: Containers, Images, Volumes, Dev Environments (marked BETA), Extensions (marked BETA), and Add Extensions. The main area is titled 'Containers' and includes a 'Give feedback' link. Below the title is a description: 'A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)'. There is a toggle switch for 'Only show running containers' and a search bar containing 'a50f747d5253'. A table lists the containers:

	NAME	IMAGE	STATUS	PORT(S)	STARTED	ACTIONS
<input type="checkbox"/>	zealous_khayyam 65e2829e3119	<a href="#">akaash007/inventory:tatest</a>	Running	<a href="#">5000:5000</a>	20 minutes ago	

## Deployed App:



The screenshot shows a web application login form. The form is titled 'LOGIN' and has two input fields: 'username' and 'password'. The 'username' field contains the text 'adc@gmail.com'. Below the input fields is a blue 'submit' button. At the bottom of the form, there is a link that says 'Don't have an account? Sign Up'.

Uploaded the image on the IBM container registry:

```
PowerShell
371c3d5ecf92: Preparing
bfc1deb8136e: Preparing
1f123186824c: Waiting
3d6eb1152931: Waiting
100796cdf3b1: Waiting
54acb5a6fa0b: Waiting
8d51c618126f: Waiting
9ff6e4d46744: Waiting
a89d1d47b5a1: Waiting
655ed1b7a428: Waiting
unauthorized: The login credentials are not valid, or your IBM Cloud account is not active.
→ ~ git:(main) x docker tag inventory jp.icr.io/inventory01/my_repo
→ ~ git:(main) docker push jp.icr.io/inventory01/my_repo
Using default tag: latest
The push refers to repository [jp.icr.io/inventory01/my_repo]
40ded361844d: Pushed
4cc577098a3b: Pushed
ffe20d996398: Pushed
371c3d5ecf92: Pushed
bfc1deb8136e: Pushed
1f123186824c: Pushed
3d6eb1152931: Pushed
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8d51c618126f: Pushed
9ff6e4d46744: Pushed
a89d1d47b5a1: Pushed
655ed1b7a428: Pushed
latest: digest: sha256:3a1161b5252df6a4f1f0f41d8623a6ada2bb665900b0c6465102869726c99e31 size: 3053
→ ~ git:(main) |
```

Container Registry

Quick start

Namespaces 2

Repositories 1

Images 1

Trash 0

Settings

## Images

LocationTokyo

View by: DigestSearch

Repository@digest	Tags	Manifest type	Created	Size
inventory01/my_repo@sha256:3a1161b5252d...	latest	Docker	1 day ago	443 MB

Items per page: 251-1 of 1 item

