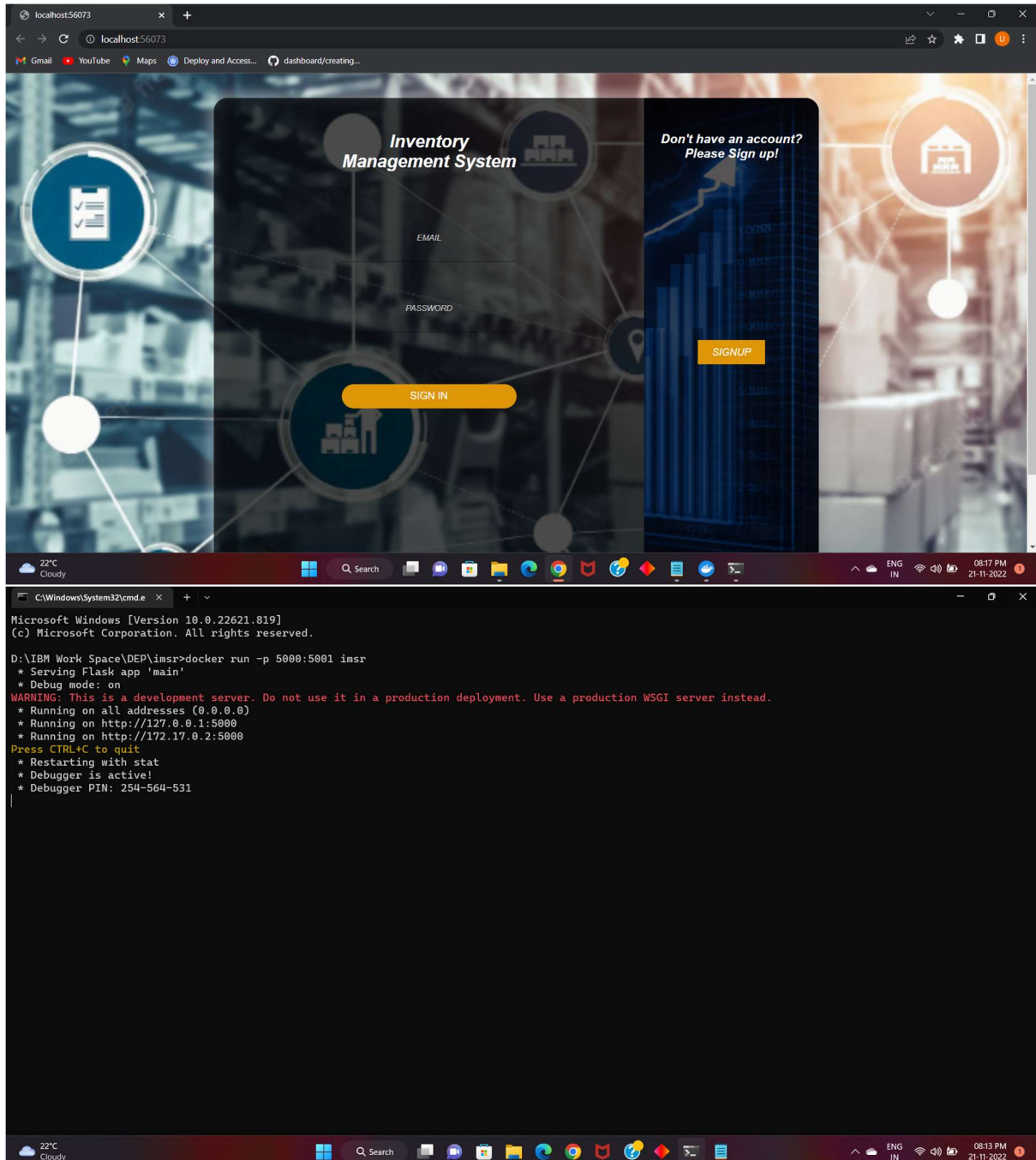


SPRINT – 4

OUTPUT SCREENSHOTS

DOCKER :



```
C:\Windows\System32\cmd.exe x + v
=> => transferring context: 2B 0.0s
=> [internal] load metadata for docker.io/library/python:3.10.4 2.9s
=> [1/5] FROM docker.io/library/python:3.10.4@sha256:cddebe04ec7846e 0.0s
=> [internal] load build context 0.1s
=> => transferring context: 1.05MB 0.0s
=> CACHED [2/5] WORKDIR /app 0.0s
=> [3/5] COPY requirements.txt ./ 0.1s
=> [4/5] RUN pip install -r requirements.txt 71.0s
=> [5/5] COPY . 0.1s
=> exporting to image 1.5s
=> exporting layers 1.5s
=> writing image sha256:8e58cac052c040796981757b5bde6f3564084f3db 0.0s
=> naming to docker.io/library/imsr 0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

D:\IBM Work Space\DEP\imsr>docker tag imsr:latest rubesh507/imsr:latest

D:\IBM Work Space\DEP\imsr>docker push rubesh507/imsr
Using default tag: latest
The push refers to repository [docker.io/rubesh507/imsr]
8de0c84fce25: Pushed
b67794b7ad8d: Pushed
9ad4fa453301: Pushed
8281246923bf: Mounted from rubesh507/imsr_s1
9fda40ddc568: Mounted from rubesh507/imsr_s1
428e1f341db7: Mounted from rubesh507/imsr_s1
9ea8d200cd5d: Mounted from rubesh507/imsr_s1
13b045a1dfd2: Mounted from rubesh507/imsr_s1
2fbabeba902e: Mounted from rubesh507/imsr_s1
ee509ed6e976: Mounted from rubesh507/imsr_s1
9177197c67d0: Mounted from rubesh507/imsr_s1
7dbadf2b9bd8: Mounted from rubesh507/imsr_s1
e7597c345c2e: Mounted from rubesh507/imsr_s1
latest: digest: sha256:dfe742cac0ee4f86abcd38626e7179c9abb10b1e22739d72c3eb0042d1a4bb39 size: 3054

D:\IBM Work Space\DEP\imsr> |

C:\Windows\System32\cmd.exe x + v
D:\IBM Work Space\DEP\imsr>docker build -t imsr .
[+] Building 75.9s (10/10) FINISHED
=> [internal] load build definition from Dockerfile 0.0s
=> => transferring dockerfile: 32B 0.0s
=> [internal] load .dockerignore 0.0s
=> => transferring context: 2B 0.0s
=> [internal] load metadata for docker.io/library/python:3.10.4 2.9s
=> [1/5] FROM docker.io/library/python:3.10.4@sha256:cddebe04ec7846e 0.0s
=> [internal] load build context 0.1s
=> => transferring context: 1.05MB 0.0s
=> CACHED [2/5] WORKDIR /app 0.0s
=> [3/5] COPY requirements.txt ./ 0.1s
=> [4/5] RUN pip install -r requirements.txt 71.0s
=> [5/5] COPY . 0.1s
=> exporting to image 1.5s
=> exporting layers 1.5s
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428e1f341db7: Mounted from rubesh507/imsr_s1
9ea8d200cd5d: Mounted from rubesh507/imsr_s1
13b045a1dfd2: Mounted from rubesh507/imsr_s1
2fbabeba902e: Mounted from rubesh507/imsr_s1
ee509ed6e976: Mounted from rubesh507/imsr_s1
9177197c67d0: Mounted from rubesh507/imsr_s1
7dbadf2b9bd8: Mounted from rubesh507/imsr_s1
e7597c345c2e: Mounted from rubesh507/imsr_s1
```

[illegible]

```
C:\Windows\System32\cmd.e x Windows PowerShell x + v
xr34bFwbR93J7hDMT09xSwHYwIpluyIrpQDMkRBxo7160IRB-XX-eemKivvN090vzHDSldalZTalh-AroF0yXksfbve52jRtbxPSJ8Skj4R2Cf-XIN63QPD51pJ9f63n6vtq643yB260r_f9hmlfsS-D
T9QZjMndR0aRYarygDgigUrFFjLXDAOKL4rOIjLBNIC6iTAJwLyW5KKDadwc0cIJTdbSW6W9lg78qr7fqRjrp30IKu3MV5bZ9_rlvbSznGmSbLCz3a3nyFLLZntedGuEa8sbzWdBwtDG6oYZd6TRgq4ndqzD
qf_qZ850SLwcPQ

D:\Kubernetes>kubectl -n kubernetes-dashboard describe secret admin-user-token
      kubectl get nodes
NAME      STATUS    ROLES    AGE   VERSION
docker-desktop   Ready    control-plane   12d   v1.24.2

D:\Kubernetes>kubectl get pods
No resources found in default namespace.

D:\Kubernetes>kubectl get ns
NAME      STATUS    AGE
default   Active    12d
kube-node-lease   Active    12d
kube-public       Active    12d
kube-system       Active    12d
kubernetes-dashboard   Active    12d

D:\Kubernetes>kubectl -n kubernetes dashboard describe serviceaccount admin-user
Error: flags cannot be placed before plugin name: -n

D:\Kubernetes>kubectl -n kubernetes-dashboard describe serviceaccount admin-user
Name:      admin-user
Namespace: kubernetes-dashboard
Labels:    <none>
Annotations: <none>
Image pull secrets: <none>
Mountable secrets: <none>
Tokens:     admin-user-token
Events:     <none>
|
D:\Kubernetes>

24°C
Raining now
10:30 PM
21-11-2022

C:\Windows\System32\cmd.e x + v
Microsoft Windows [Version 10.0.22621.819]
(c) Microsoft Corporation. All rights reserved.

D:\IBM Work Space\DEP\imsr>kubectl -n kubernetes-dashboard apply -f kubernetes/flask_deployment.yaml
error: the path "kubernetes/flask_deployment.yaml" does not exist

D:\IBM Work Space\DEP\imsr>kubectl -n kubernetes-dashboard apply -f flask_deployment.yaml
error: error validating "flask_deployment.yaml": error validating data: ValidationError(Deployment.spec.template.spec.containers[1]): missing required field
"name" in io.k8s.api.core.v1.Container; if you choose to ignore these errors, turn validation off with --validate=false

D:\IBM Work Space\DEP\imsr>kubectl -n kubernetes-dashboard apply -f flask_deployment.yaml
error: error parsing flask_deployment.yaml: error converting YAML to JSON: yaml: line 22: mapping values are not allowed in this context

D:\IBM Work Space\DEP\imsr>kubectl -n kubernetes-dashboard apply -f flask_deployment.yaml
service/imsr created
deployment.apps/imsr created

D:\IBM Work Space\DEP\imsr>
```

IBM Cloud Container Registry - x

localhost:8001/api/v1/namespaces/kubernetes-dashboard/services/https:kubernetes-dashboard/proxy/#/pod/kubernetes-dashboard/imsr-7d5c5447f9-sl46c?namespace=_all

kubernetes

All namespaces

Search

Workloads > Pods > imsr-7d5c5447f9-sl46c

Workloads

- Cron Jobs
- Daemon Sets
- Deployments
- Jobs
- Pods
- Replica Sets
- Replication Controllers
- Stateful Sets

Service

- Ingresses
- Ingress Classes
- Services

Config and Storage

- Config Maps
- Persistent Volume Claims

Metadata

Name	Namespace	Created	Age
imsr-7d5c5447f9-sl46c	kubernetes-dashboard	Nov 21, 2022	10 minutes ago
UID			
c42fe104-bc23-4999-bf32-64114bcfa02e			
Labels			
app: imsr pod-template-hash: 7d5c5447f9			

Resource information

Node	Status	IP	QoS Class	Restarts	Service Account
docker-desktop	Running	10.1.0.57	BestEffort	0	default

Conditions

Type	Status	Last probe time	Last transition time	Reason	Message
------	--------	-----------------	----------------------	--------	---------

23°C Rain

IBM-Project-23045-1659864860 x

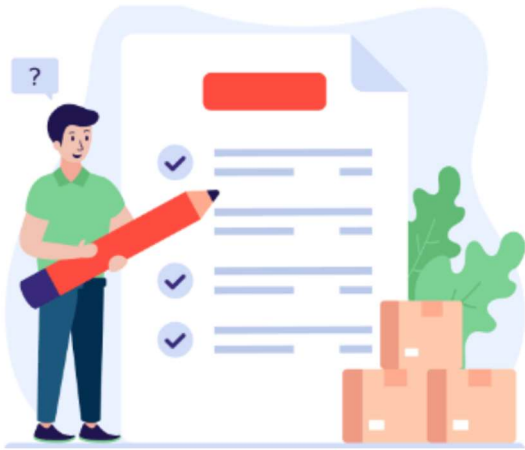
Inventory Management

Not secure | 192.168.0.106:5000

Inventory Management

- Dashboard
- Customers
- Items
- Inventory
- Sale

Dashboard



23°C Cloudy

IBM CONTAINER REGISTRY:

The screenshot shows a Windows command prompt window and a web browser window. The command prompt window displays the following output:

```
Authenticating...
OK
Targeted account Rubesh U's Account (9e5034c4138a4028a0b0e4d351445525)

API endpoint: https://cloud.ibm.com
Region: jp-tok
User: 113219031126@smartinternz.com
Account: Rubesh U's Account (9e5034c4138a4028a0b0e4d351445525)
Resource group: No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:

D:\IBM Work Space\DEP\imr>ibmcloud cr login
Logging 'docker' in to 'jp.icr.io'...
Logged in to 'jp.icr.io'.

OK

D:\IBM Work Space\DEP\imr>docker tag rubesh507/imr jp.icr.io/ns-imr/rubesh507/imr:latest

D:\IBM Work Space\DEP\imr>docker push jp.icr.io/ns-imr/rubesh507/imr:latest
The push refers to repository [jp.icr.io/ns-imr/rubesh507/imr]
f715a4f2da7d: Pushed
b77794b7ad8d: Pushed
9ad4f4e45301: Pushed
8281246923bf: Pushed
9fda48ddc568: Pushed
428a1f341db7: Pushed
9ea8d208cd5d: Pushed
13b045aldfd2: Pushed
2fbabeba902e: Pushed
ee509ed6e976: Pushed
9177197c67d8: Pushed
7dbadf2b9bd8: Pushed
e7597c345c2e: Pushed
latest: digest: sha256:c1b434937714ff257069cd41e280e6c615fa2f25978a025af3560b2251168d3f size: 3054

D:\IBM Work Space\DEP\imr>
```

The web browser window shows the IBM Cloud Container Registry interface. The left sidebar contains the following menu items: Container Registry, Quick start, Namespaces (1), Repositories (1), Images (1), Trash (0), and Settings. The main content area is titled "Repositories" and shows a table with the following data:

Name	Image count	Namespace	Last updated
rubesh507/imr jp.icr.io/ns-imr/rubesh507/imr	1	ns-imr	2 hours ago

The bottom of the browser window shows the Windows taskbar with the date and time 09:07 PM 21-11-2022.

C:\Windows\System32\cmd.e

Installing binary...

OK

Plug-in 'container-registry 1.0.2' was successfully installed into C:\Users\rubesh\bluemix\plugins\container-registry. Use 'ibmcloud plugin show container-registry' to show its details.

D:\IBM Work Space\DEP\imrs>ibmcloud login

API endpoint: https://cloud.ibm.com

Region: jp-tok

Email> 113219031126@gmail.com

Password>

Authenticating...

Credentials were rejected.

Code: BXNIM0602E, message: The credentials you entered for the user '113219031126@gmail.com' are incorrect.

Password>

D:\IBM Work Space\DEP\imrs>ibmcloud login

API endpoint: https://cloud.ibm.com

Region: jp-tok

Email> 113219031126@smartinternz.com

Password>

Authenticating...

OK

Targeted account Rubesh U's Account (9e5034c4138a4028a0b0e4d351445525)

API endpoint: https://cloud.ibm.com

Region: jp-tok

User: 113219031126@smartinternz.com

Account: Rubesh U's Account (9e5034c4138a4028a0b0e4d351445525)

Resource group: No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'

CF API endpoint:

Org:

Space:

D:\IBM Work Space\DEP\imrs>

22°C
Rain off and on

localhost:5001

IBM

CAD-B5-SM1E (Evening Se

IBM Cloud Container Regis

Unable to create repository

rubesh507/imrs Tags | Doc

cloud.ibm.com/registry/images

Gmail YouTube Maps Deploy and Access... dashboard/creating...

IBM Cloud

Search resources and products...

Catalog Manage Rubesh U's Account

Container Registry

Quick start

Namespaces 1

Repositories 1

Images 1

Trash 0

Settings

Images

Location
Tokyo

View by: Digest Search Create +

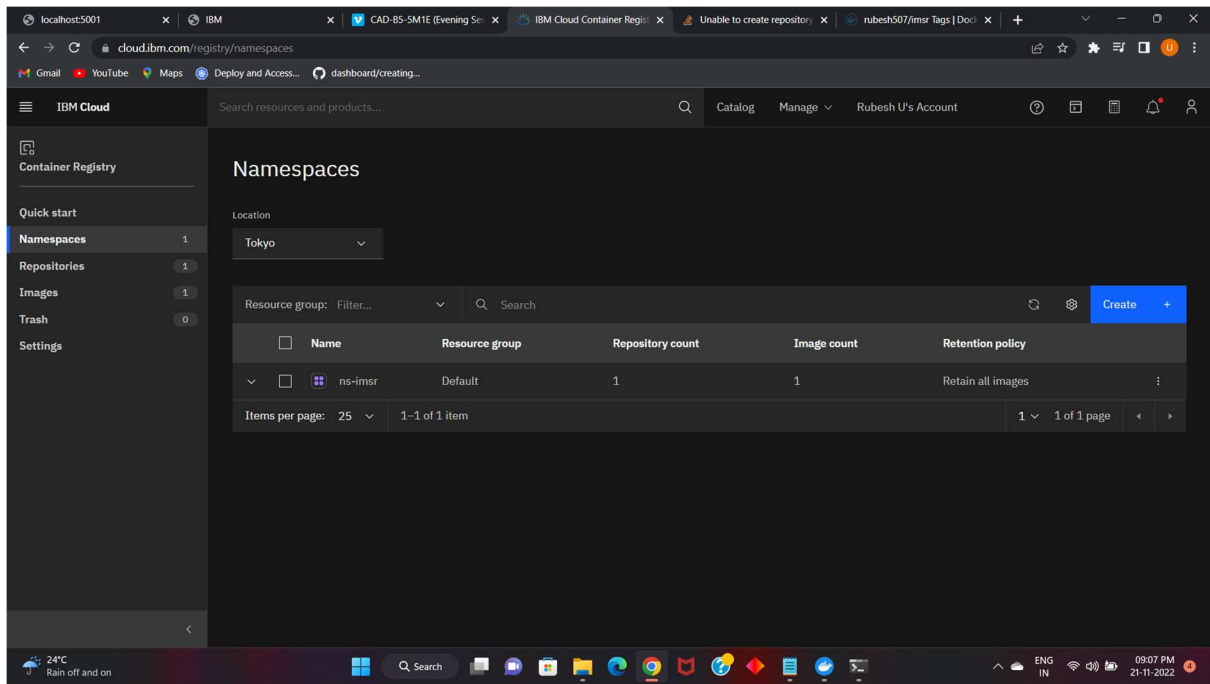
Repository@digest	Tags	Manifest type	Created	Size	Security status
<input type="checkbox"/> ns-imrs/rubesh507/imrs@sha256:c1b434937714...	latest	Docker	2 hours ago	443 MB	Unscanned

Items per page: 25 1-1 of 1 item 1 1 of 1 page

24°C
Rain off and on

24°C
Rain off and on

09:07 PM
21-11-2022



SALE :

Inventory Management

Dashboard

Customers

Items

Inventory

Sale

View Sale

Fill the form

Start Date

dd-mm-yyyy

End Date

dd-mm-yyyy

Items

ITEM ID	ITEM NAME	SOLD QUANTITY	AMOUNT
1	Tomato	12	300.0
2	Apple	4	200.0
3	Sprite	7	210.0

Display Top Sold

Display Least Sold

Inventory Management

Dashboard

Customers

Items

Inventory

Sale

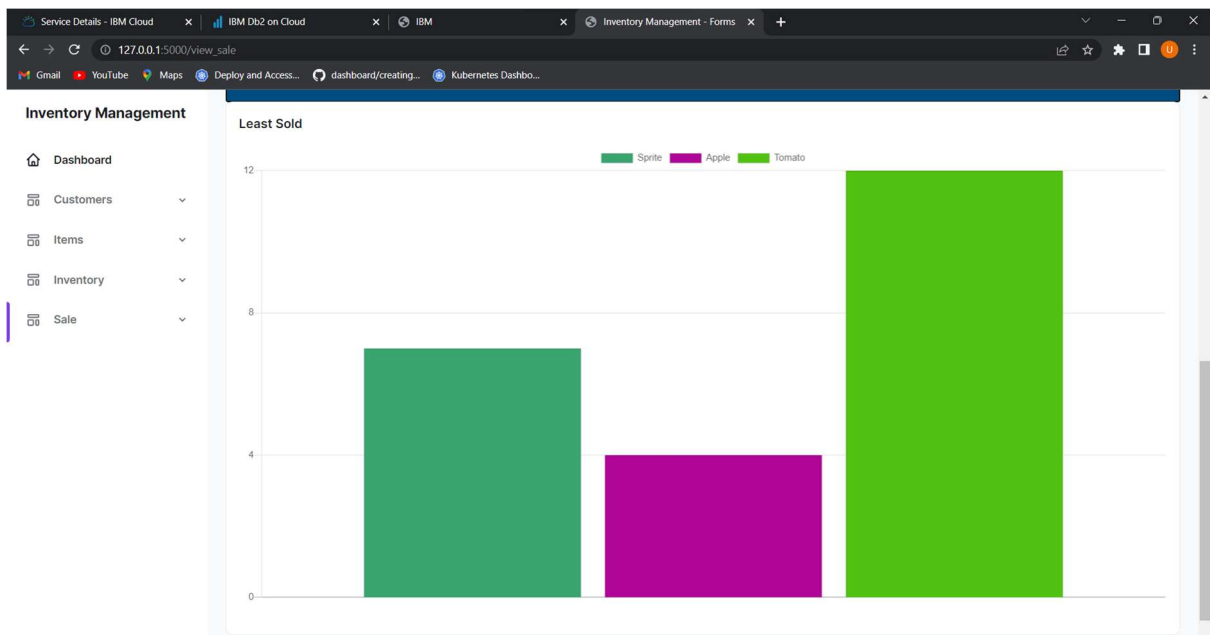
Top Sold

Tomato

Apple

Sprite

ITEM NAME	SOLD QUANTITY
Tomato	12
Apple	4
Sprite	7



23°C Cloudy

IBM-Project-23045-1659864868 x Inventory Management - Forms x +

Not secure | 192.168.0.106:5000/add_sale

Gmail YouTube Maps Deploy and Access... dashboard/creating... Kubernetes Dashbo...

Inventory Management

- Dashboard
- Customers
- Items
- Inventory
- Sale

Item Name

Tomato

Quantity

2

Add More

Table

ITEM NAME	PRICE	QUANTITY	TOTAL
Tomato	25	2	50

Total Amount to be PAID :

50

Submit

23°C Cloudy

IBM-Project-23045-1659864868Inventory Management - Forms

Not secure | 192.168.0.106:5000/add_sale

GmailYouTubeMapsDeploy and Access...dashboard/creating...Kubernetes Dashbo...

Inventory Management

Dashboard

Customers

Items

Inventory

Sale

Customer

balaji

Item Name

Tomato

Quantity

2

Add More

Table

ITEM NAME	PRICE	QUANTITY	TOTAL
Tomato	25	2	50

23°C Cloudy

Search

ENG IN

01:00 AM 22-11-2022

SEND GRID :

The image shows two overlapping screenshots from a Windows desktop. The top screenshot is of the SendGrid 'API Keys' page. The bottom screenshot is of a Gmail inbox showing an email from SendGrid.

SendGrid API Keys Page:

- Page Title: API Keys
- Buttons: Create API Key
- Table:

NAME	API KEY	ACTION
INVENT API Key ID: Z6Vi5DEWSH2t8vbVieIQ	*****	Settings

Gmail Inbox:

- Search: Search mail
- Compose
- Inbox: 224
- Starred, Snoozed, Sent, Drafts, More
- Labels: +

Email Details:

- From: rubeshstark53@gmail.com via sendgrid.net
- To: me
- Date: Sun, Nov 20, 4:29 PM (2 days ago)
- Subject: Stock Alert !!! - Inventory Management System

Dear Customer,

These list of Products sold to balaji

Item name	Quantity
Tomato	1
Sprite	3

Buttons: Reply, Forward