Phase 1

Task 4

Create IAM user with AdminAccess policy

A screenshot of a computer

AI-generated content may be incorrect.

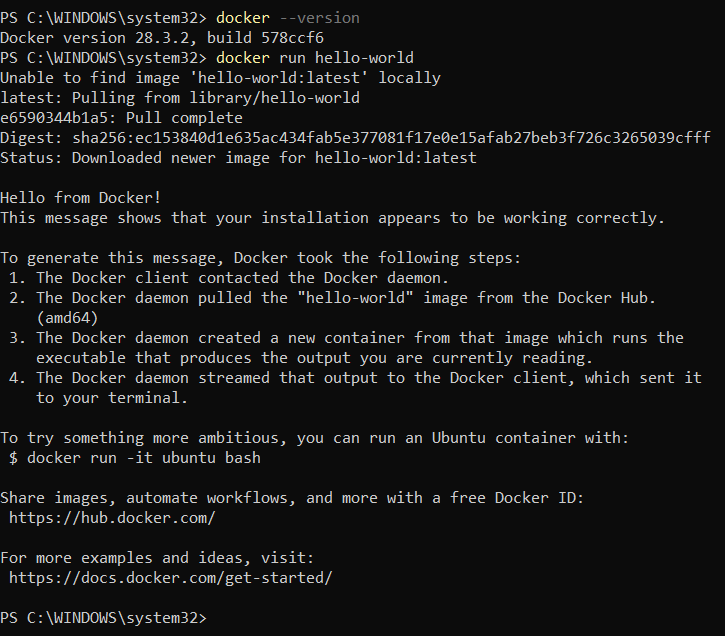
Task 5

Install Docker Desktop

A screenshot of a computer program

AI-generated content may be incorrect.

Docker installed successfully.



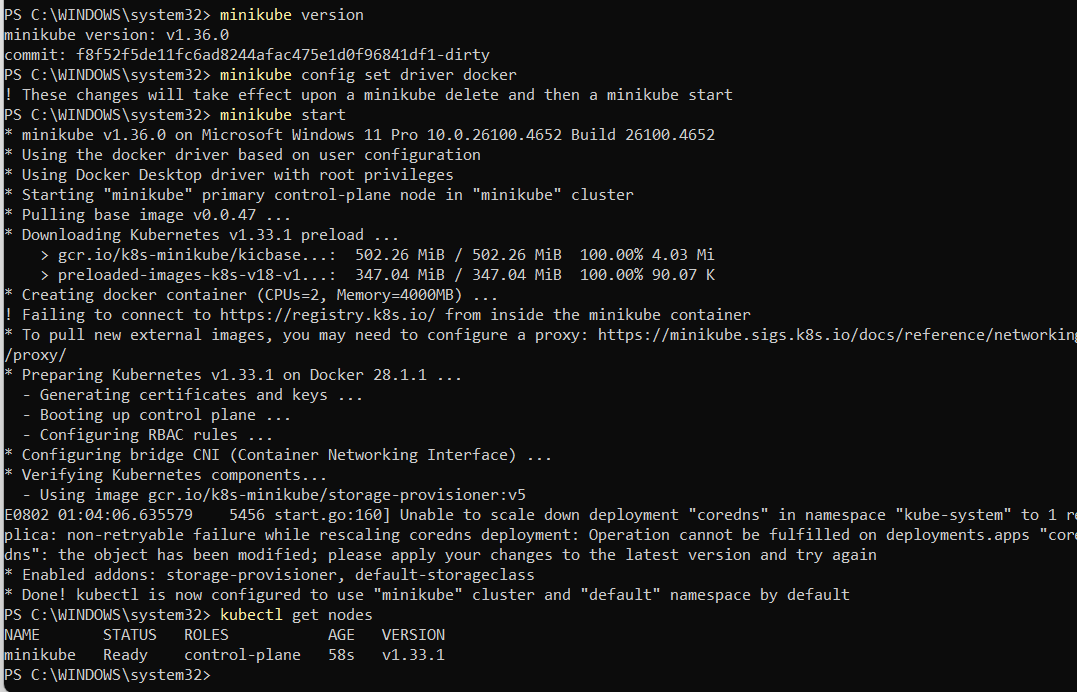
Task 7

Minikube installed successfully

A black background with white text

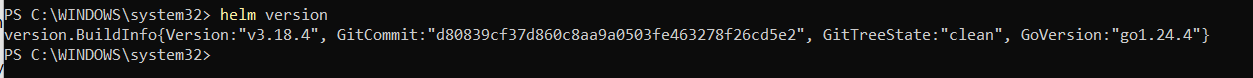
AI-generated content may be incorrect.

Minikube runs successfully



Task 9

Helm installed successfully



Phase 2

Task 1

Start a local Minikube cluster

A screen shot of a computer program

AI-generated content may be incorrect.

task 17

Enable Ingress Controller on Minikube

A computer screen with text and numbers

AI-generated content may be incorrect.

Set Docker env to Minikube for image builds and Built a Test Image

A black screen with white text

AI-generated content may be incorrect.

Deploy a test pod and service to validate cluster. deployed a pod running the [**echoserver**](https://github.com/kubernetes/contrib/tree/master/echoserver), a lightweight test image that **echoes back request info**.

A screen shot of a computer

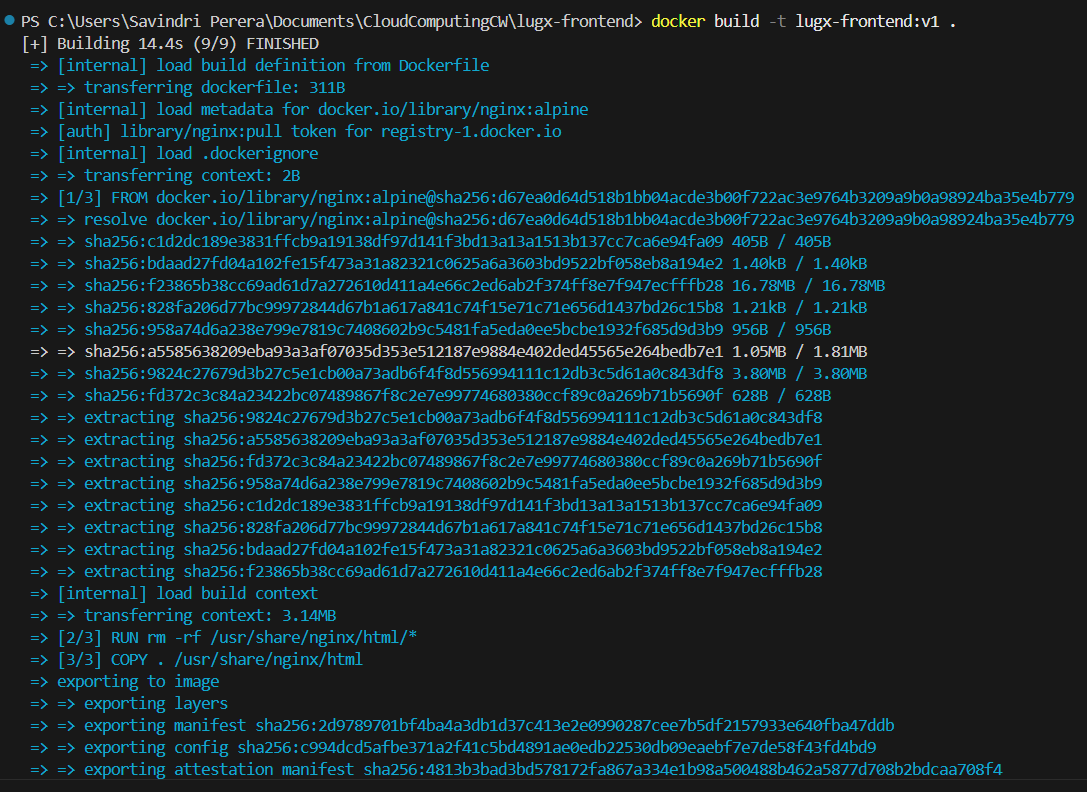
AI-generated content may be incorrect.

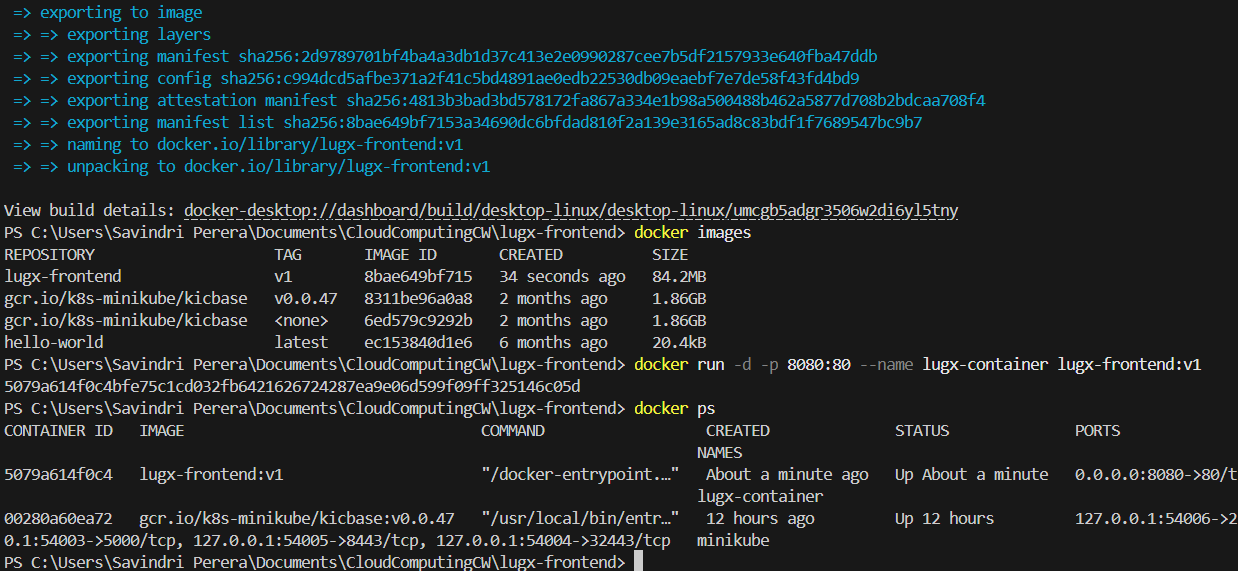
A screenshot of a computer

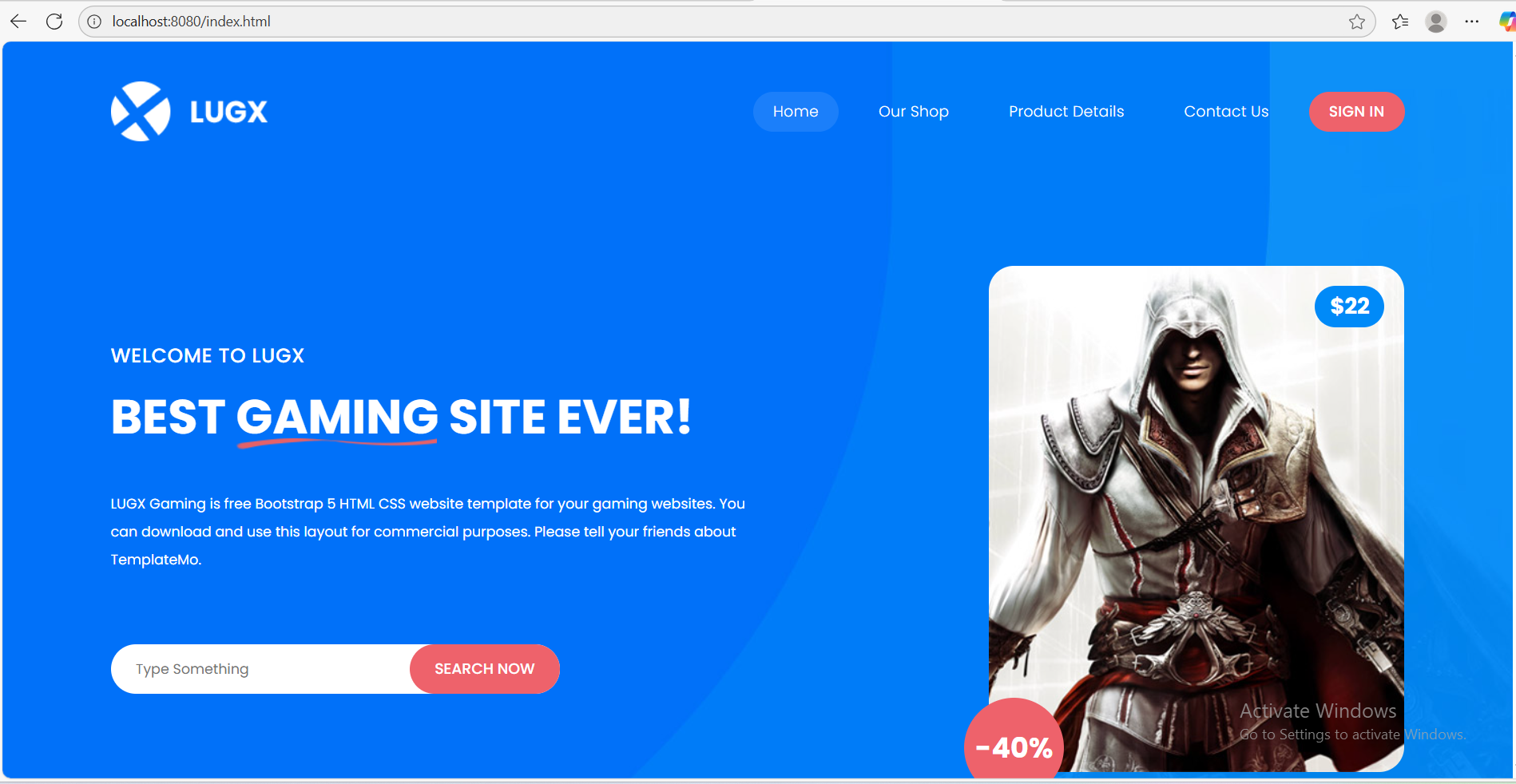
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Phase 3

Task 25: *Serve the Lugx static site using an NGINX Docker container*  
(a.k.a. *Convert it into a containerized frontend application using Docker*)







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AI-generated content may be incorrect.

Task 28

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Log frontend events to browser console

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Log frontend events to dummy endpoint (using webhook.site)

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A screenshot of a computer

AI-generated content may be incorrect.

Phase 4

Task 30

A screenshot of a computer

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A screenshot of a computer

AI-generated content may be incorrect.

Task 31

A screenshot of a computer

AI-generated content may be incorrect.

Task 35

achieved a successful connection between Frontend JavaScript (running in the browser) and **Flask backend API on localhost:5000**, which writes analytics data to ClickHouse (via clickhouse-driver)

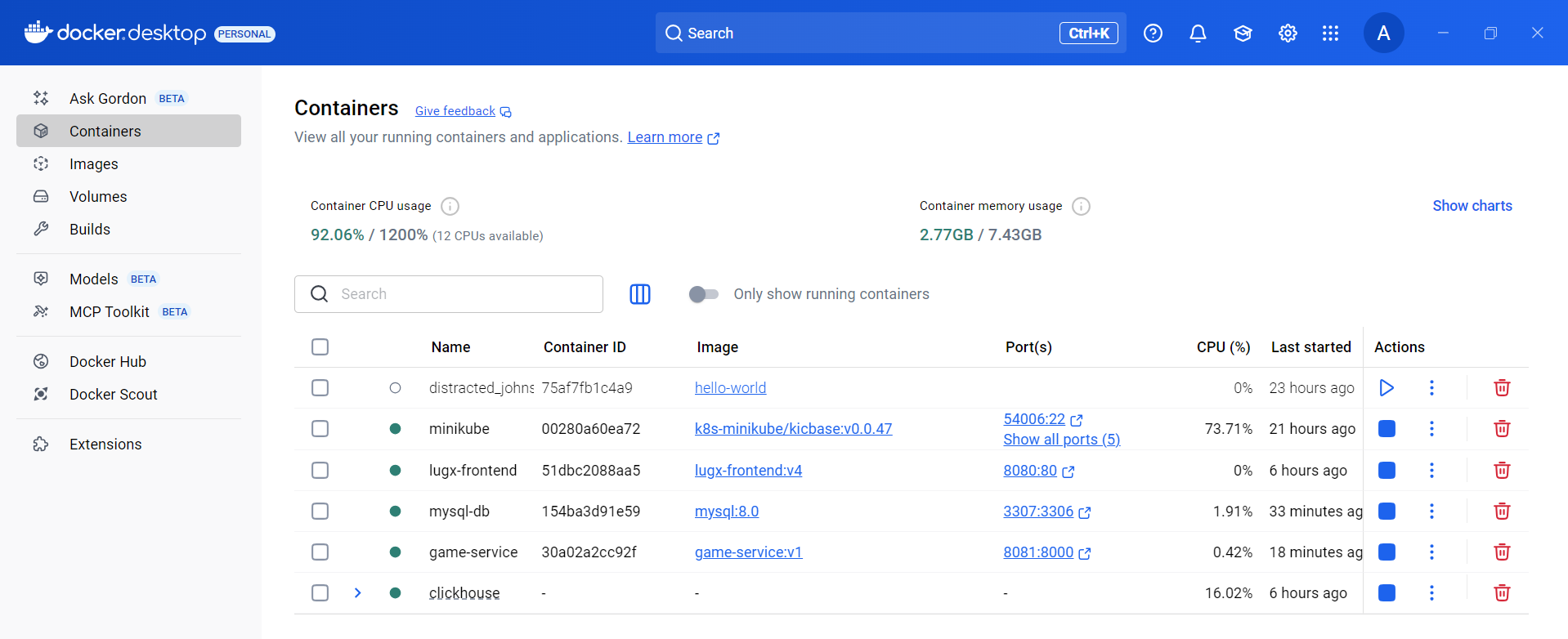
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AI-generated content may be incorrect.

Task 36



Health check

A white rectangular object with a black border

AI-generated content may be incorrect.

POST

Use **PowerShell-native syntax**

A screen shot of a computer

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A screenshot of a computer

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GET

browser

A screenshot of a computer

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Postman

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Get by id

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MySQL

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PUT

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DELETE

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Task 37

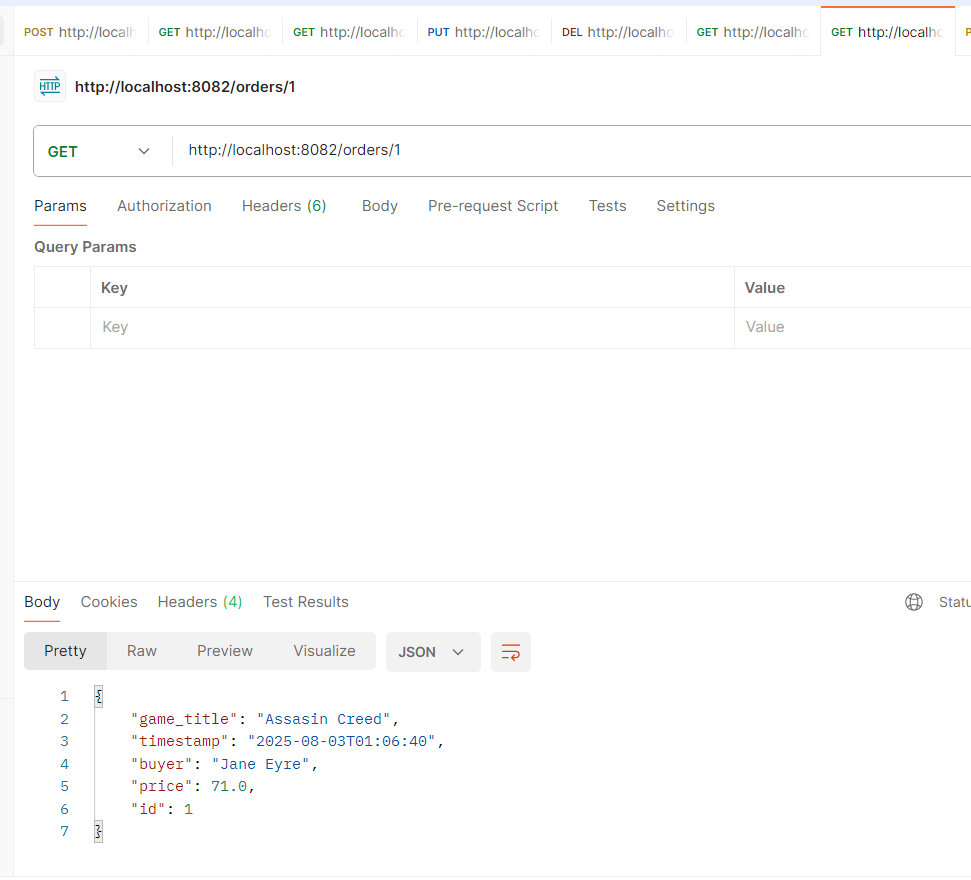
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AI-generated content may be incorrect.

Task 37



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AI-generated content may be incorrect.

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AI-generated content may be incorrect.

Task 38

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A screenshot of a computer

AI-generated content may be incorrect.