**CLOUD COMPUTING LAB**

**CAT – 2**

**TEAM MEMBERS:**

1934045 – SNEKA P

1934052 – TANUJA A

1934055 – VARSHA B

**AIM:**

To dockerize a web application and deploy it in the kubernetes cluster.

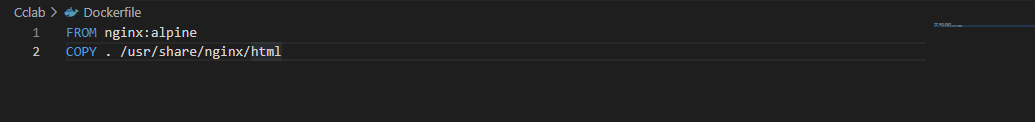
**APPLICATION:**

CIT REGISTRATION WEBSITE

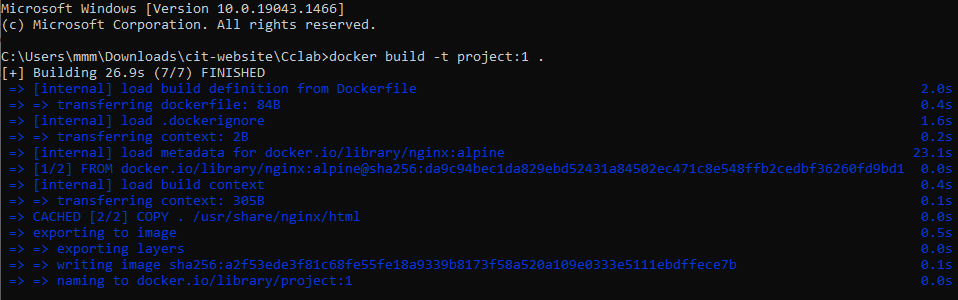
**PROBLEM STATEMENT:**

This is to deploy ancit registration web portal for students know about the college infrastructure and brochure and to register for their interested courses.

**DOCKER FILE:**



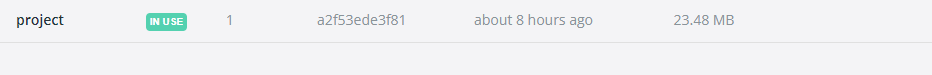
**BUILDING DOCKER IMAGE:**



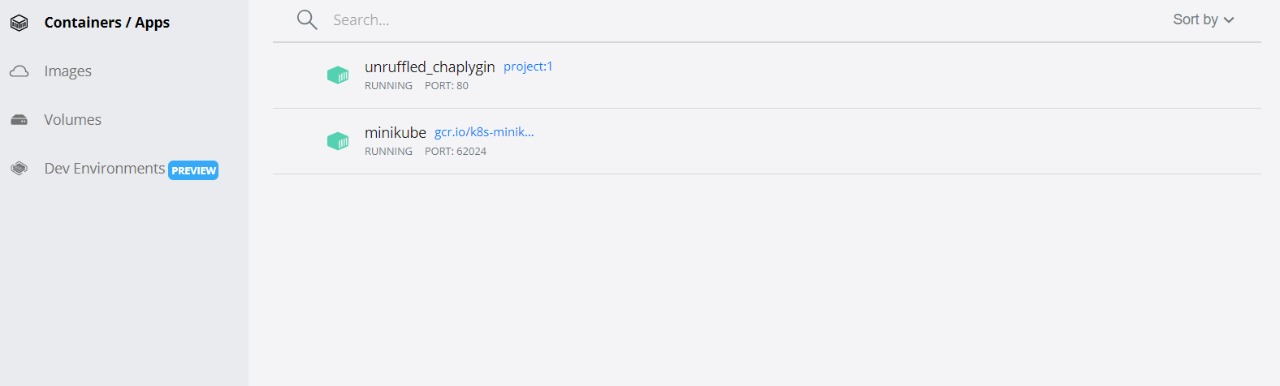
**RUNNING DOCKER IMAGE:**



**IMAGE CACHING:**



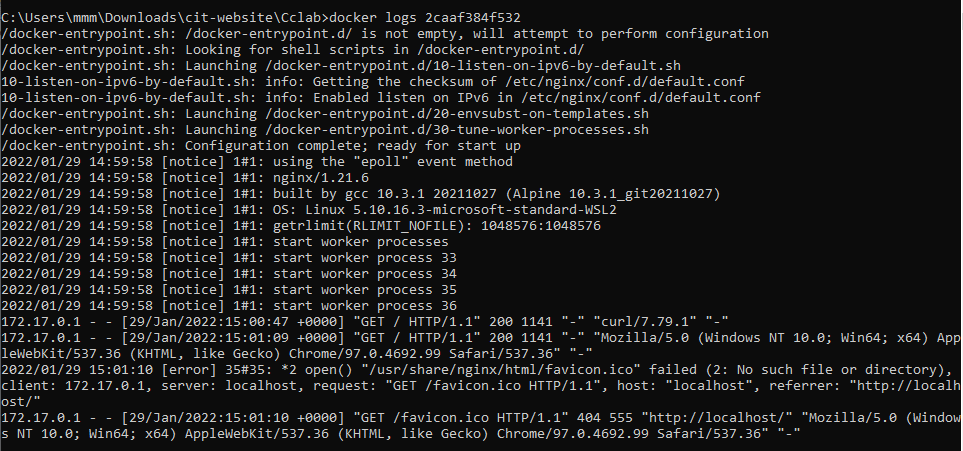
**LAYER CACHING:**

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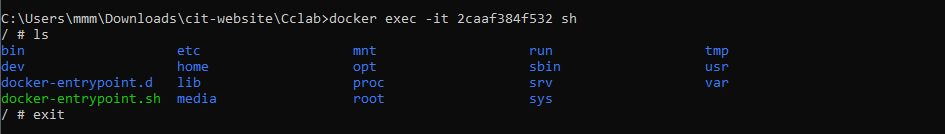
**CONTAINER SERVICE EXPOSURE:**



**CONTAINER LOG FETCHING:**

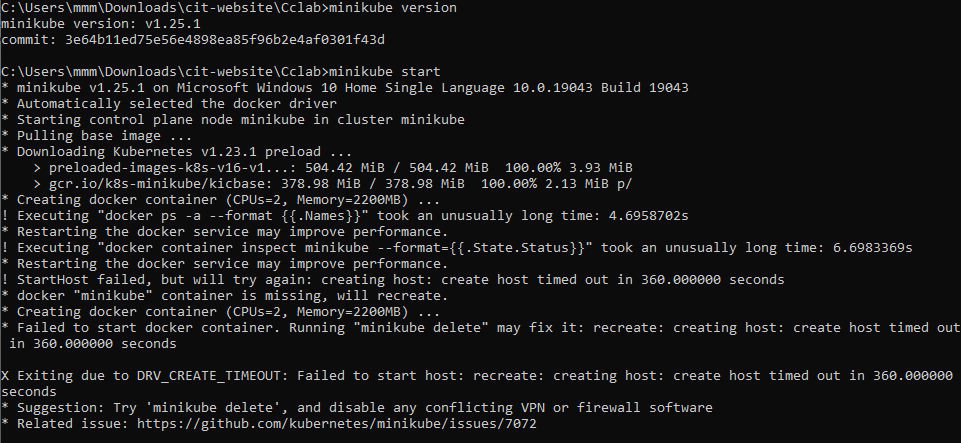


**EXECUTING INTO DOCKER:**



**KUBERNETES:**

**STARTING MINIKUBE:**



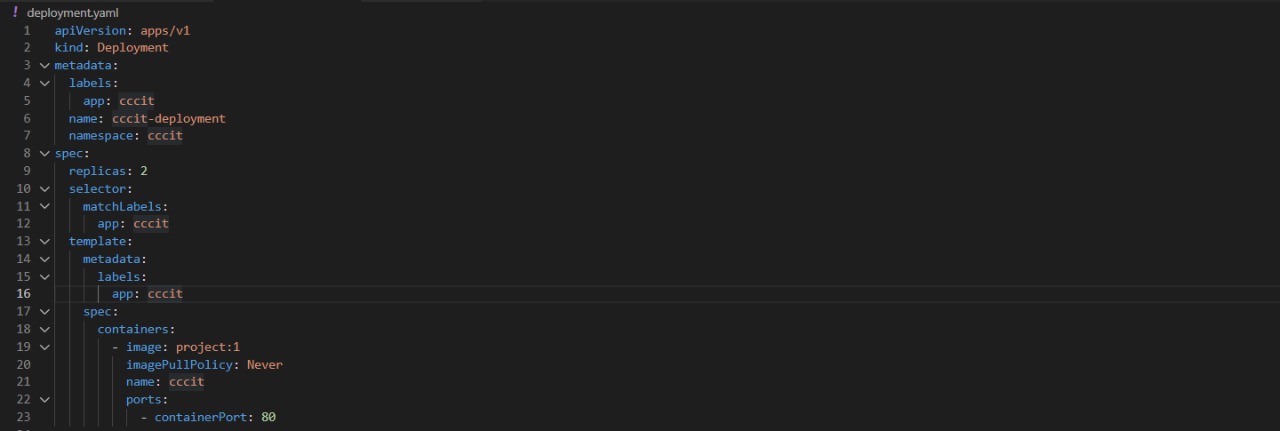
**CREATING NAMESPACE:**

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**CREATING POD IN THE NAME SPACE :**

**WhatsApp Image 2022-01-30 at 3.54.18 PM.jpeg**

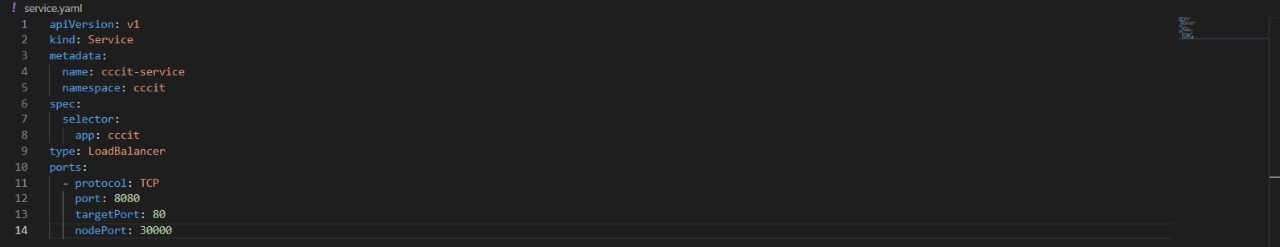
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**CONFIGURING DEPLOYMENT POD WITH 2 REPLICAS :**

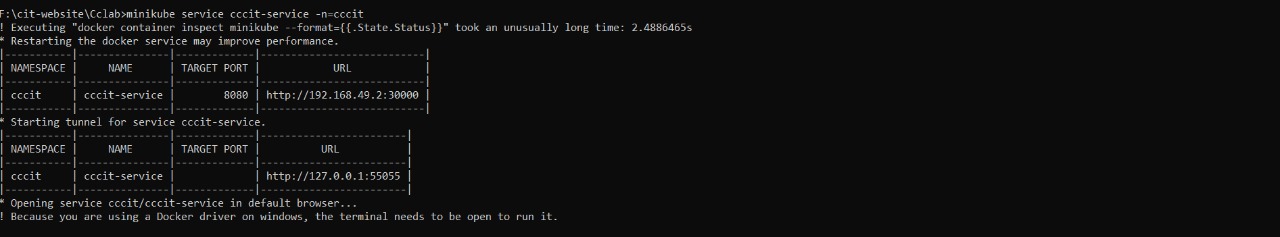
**WhatsApp Image 2022-01-30 at 4.07.37 PM.jpeg**

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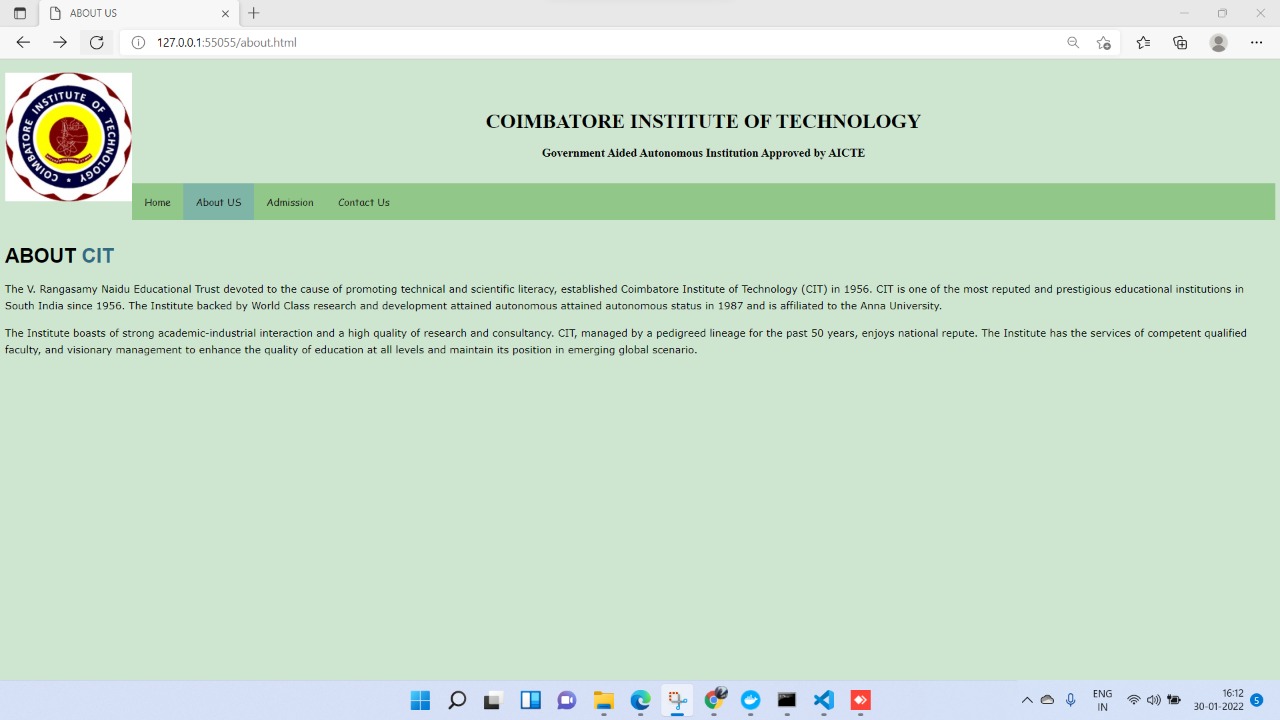
**SERVICE EXPOSURE(v1):**

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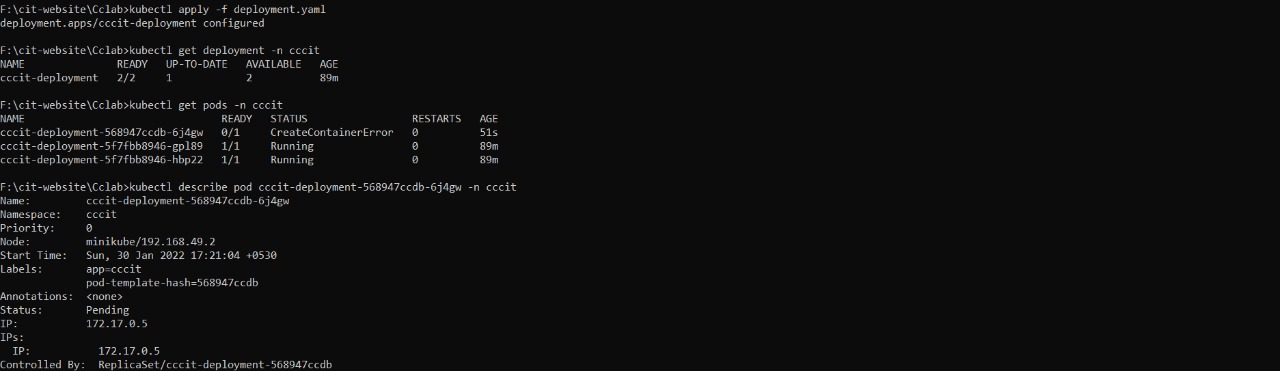
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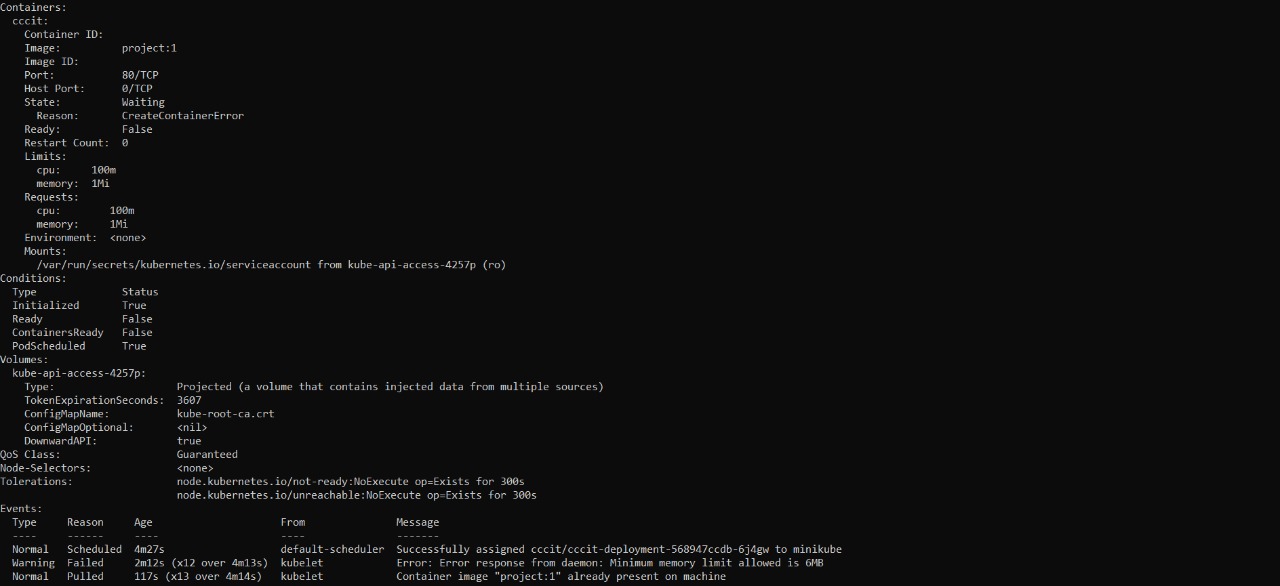
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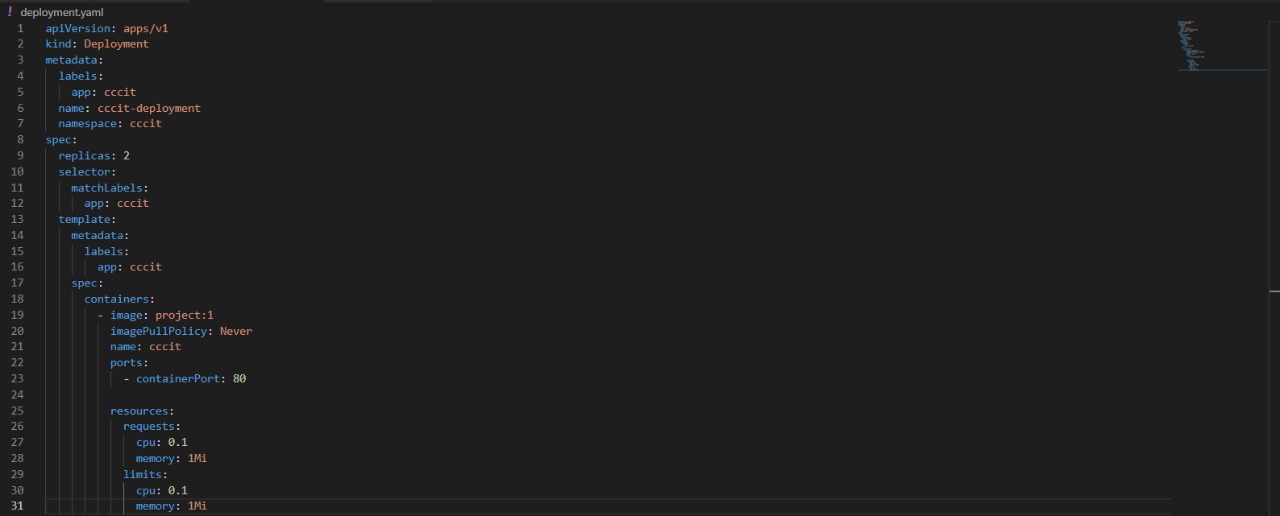
**HOSTED WEBPAGE :**

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**RESOURCE LIMITATION :**

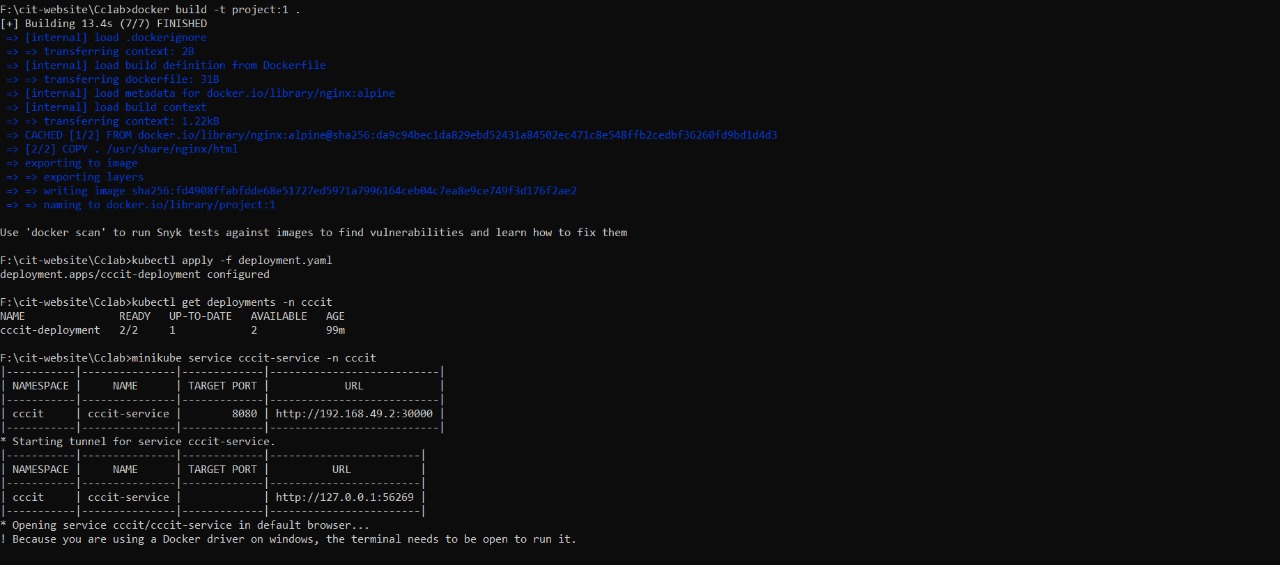
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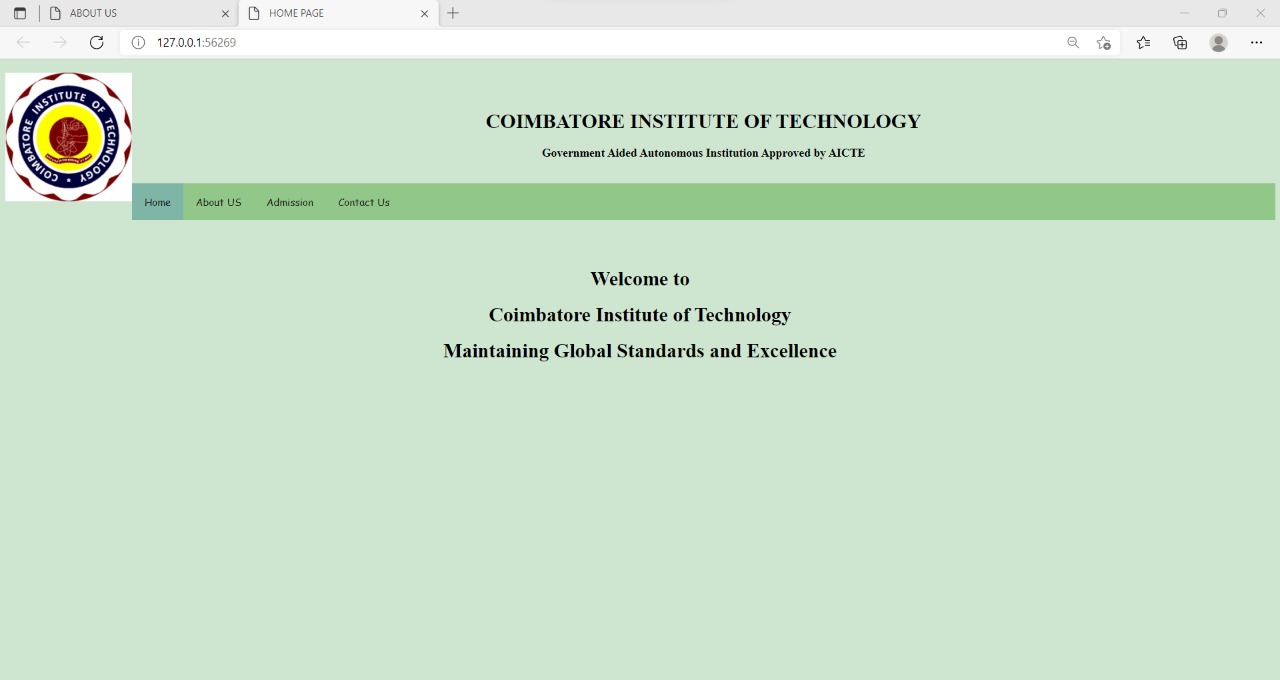
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**ROLLBACK STRATEGY**

**VERSION 2 :**

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