ITEM #1

For each pipeline, submit your Jenkinsfile and screenshots showing the output from the Console logs when the builds are complete. Discuss any problems you ran into and how you solved them.

**Master & Testing Jenkinsfiles**

Text

Description automatically generated Text

Description automatically generated

**Dash View of Created Jobs**

**Graphical user interface, application

Description automatically generated**

**Build Master Job**

**Graphical user interface, text, application

Description automatically generated**

**Graphical user interface, text, application, email

Description automatically generated**

**Build Test Job**

**Graphical user interface, text, application

Description automatically generated**

**Graphical user interface, text, application, email

Description automatically generated**

ITEM #2

Delete your Kubernetes pod:

**kubectl delete pod <your pod name> -n jenkins**

Then observe what happens:

**kubectl get pods -n jenkins**

**a) Is the pod restarted? Why?**

*Without deleting the actual deployment, k8s merely sees this as a missing pod, so it recreates it automatically*

**b) What happens to the pipelines you created earlier in Jenkins?**

*Because the pod was deleted, and not using a PV, the pod is a “new” Jenkins instance. Ergo, the previously configured jobs are not in the new pod.*

**c) In the service yaml file, there is a section on "volumes". What is /var/jenkins\_home mapped to? How is this related to question b above?**

*The service uses an ephemeral volume, one that is not persistent across restarts. EmptyDir creates the volume as a file inside the Docker-Desktop (in my case, for Mac). The volume file is deleted when the pod is deleted.*