**Devops Project Instructions**

**Step 1:**

* mkdir home/<username>/jenkins

**Step 2:**

* mkdir home/<username>/Desktop/DockerComposeFile
* Transfer docker-compose.yml to DockerComposeFile folder
* Open the terminal on DockerComposeFile and enter: sudo docker-compose config
* The terminal should print the content of docker-compose.yml
* In order to activate the docker-compose file we need to enter the command:  
  sudo docker-compose up -d
* Enter the command sudo docker ps to make sure the containers are up.

**Step 3:**

* Enter the command: sudo docker container exec <container\_id> sh -c "cat /var/jenkins\_home/secrets/initialAdminPassword"
* Copy the initial password and open your browser on: localhost:8080
* Paste the initial password, install recommended plugins and go through the registration process.

**Step 4:**

* Create a new job.
* Choose git under Source Code Management and paste tindog repository url under the url section.
* Under Build Triggers choose Poll SCM and write: \* \* \* \* \*
* Choose execute shell under Build and write the command: cp -r css images index.jsp ~
* Save the job (No need to build it yet).

**Step 5:**

* Install SiteMonitor plugin and create a new job under the name "monitor" (not mandatory but it's a suitable name).
* Go to Post-build Actions and choose Monitor Site.
* In the URL section, write: localhost:8888/status/ and save the job (No need to build it yet).

**Step 6:**

* Go back to the first job and add the post-build action: Build other projects.
* Write the name of the second job we created, monitor, in the Projects to build section.
* Choose "Trigger only if build is stable" and save the job.

**Step 7:**

* Build the job and make sure everything is fine, you can go to the monitor job and check if our webapp is up.
* Go to localhost:8888/status to see the webapp for yourself...

**Step 8:**

* Go to your tindog folder. (Important! the original folder. the one you uploaded to git)
* Go to images and replace the "iphone6.png" image with the one attached to the mail.
* open the terminal in tindog folder and enter the command "git status" to see the changes.
* Enter the following commands one after the other:
  + git add .
  + git status
  + git commit -m "change image"
  + git push -u origin master
* Enter your GitHub account details to complete the process.

**Step 9:**

* Go back to our first Jenkins job and check if it responded to the change.
* If we see that a new build has started and completed successfully we should be able to see the change in our webapp.
* Go to localhost:8888/status (or refresh the page if it open...) to see it yourself