**FNQA Planning:**

1. Install latest Docker [AWS Instance]
   * Launch <AmazonLinux2> Instance [t2.micro] in same subnet.
   * Security groups [old one or create new one] [port 80]
   * Set hostname
   * Creates user account and set the password – Linux vm.
   * Installing Docker [yum/other ways] & enable on boot service, usermod, install epel.
   * Configure access to Anisble server

1. Jenkins CICD:
   * Research and Install plugins
   * Configure Job [Pipeline]
   * Pipeline Will trigger the Ansible Playbook every time there is a commit/push to QA Branch.

1. Ansible Server Configuration:
   * Add the new client.
   * Auth from Ansible to Docker Server.
   * Add ip to host file

1. Dockerhub account:
   * Create a Public/Private repo – decide
   * Push and pull permissions from hub – investigate
   * Add users to dockerhub repo – Investigate
   * Tagging – Investigate

1. Dockerfile

* Which Base image? Apache docker image from DH
* It should pull the converted html files from Ansible server and then include them into the image.
* Create docker volumes.
* Scaling of containers
* Expose port 80 for the container.

1. Ansible Playbook
   * Writing the playbook which will build the html files using branching and build the docker image and push them to Docker hub, enable versioning. Taggs to the version >> Pull the image & we need test the image( by running the container ) >> start the docker container >>  store the html files to the htdocs repo in container.

1. [Selinium] optional