Assignment 2_1

BlueOcean:- A better User Interface(UI) of Jenkins with high standard of design.

● **Installation of** _Blue Ocean:-_

i. *Select **Manage jenkins** followed by **Mangage Plugins***
ii. *Search for **Blue Ocean** plugin and install it subsequently.*
iii. *Restart **Jenkins***
iv. *Now to experience new UI ,select tag called **Open Blue Ocean**.*

● *Integrating **Github private repository with Jenkins-:***
➢ *Create a private repository in github(if u don't have one) by getting **Student Developer Pack** by providing your college email address,otherwise it's a paid process.*
➢ *Create a freestyle project in jenkins.*
➢ *Select the option **Git** in Source code management.*
➢ *Paste the URL of private repository which you created.*

➤ *Add the neccesary credentials of github account as the repository is private,so that jenkin can access this private repository.*

Configuration of Git SCM poll-:

Configure the created project by selecting **GitHub hook trigger***(for Git SCM poll) .*

➤ *Select Settings in created private repository and choose Integrations & Services .*

➤ *Add* **Jenkins(GitHub)** *service*

➤ *Add* **public** *jenkins hook url which can be obtained using* **ngrok***(as url which jenkins is using is local url) and url typically would be something like this:*

http://f1153c9c.ngrok.io

➤ *This allows github to make request to jenkins whenever commit is made.*

● ***Post Built Action using Email Notification:-***

Configuring Email-:

➤ *Select E-mail Notification in Configure Systems.*

➤ *Provide SMTP server details.*

- *Provide credentials of the email for which you want to recieve notifications.*
- *Select SSL port.*
- *Test configure by sending test email.*
- *If succeeded,then apply and save the configuration.*

Configuring Post-build action-:

- *Add Post-Build Action in configuration of project*
- *Select E-mail Notification and provide corresponding email-address as recipent and save the updated configuration .*

Application-:*As post-build action is completed ,the corresponding email id will recieve notifications whenever the build is failed or failed build is succesful.*