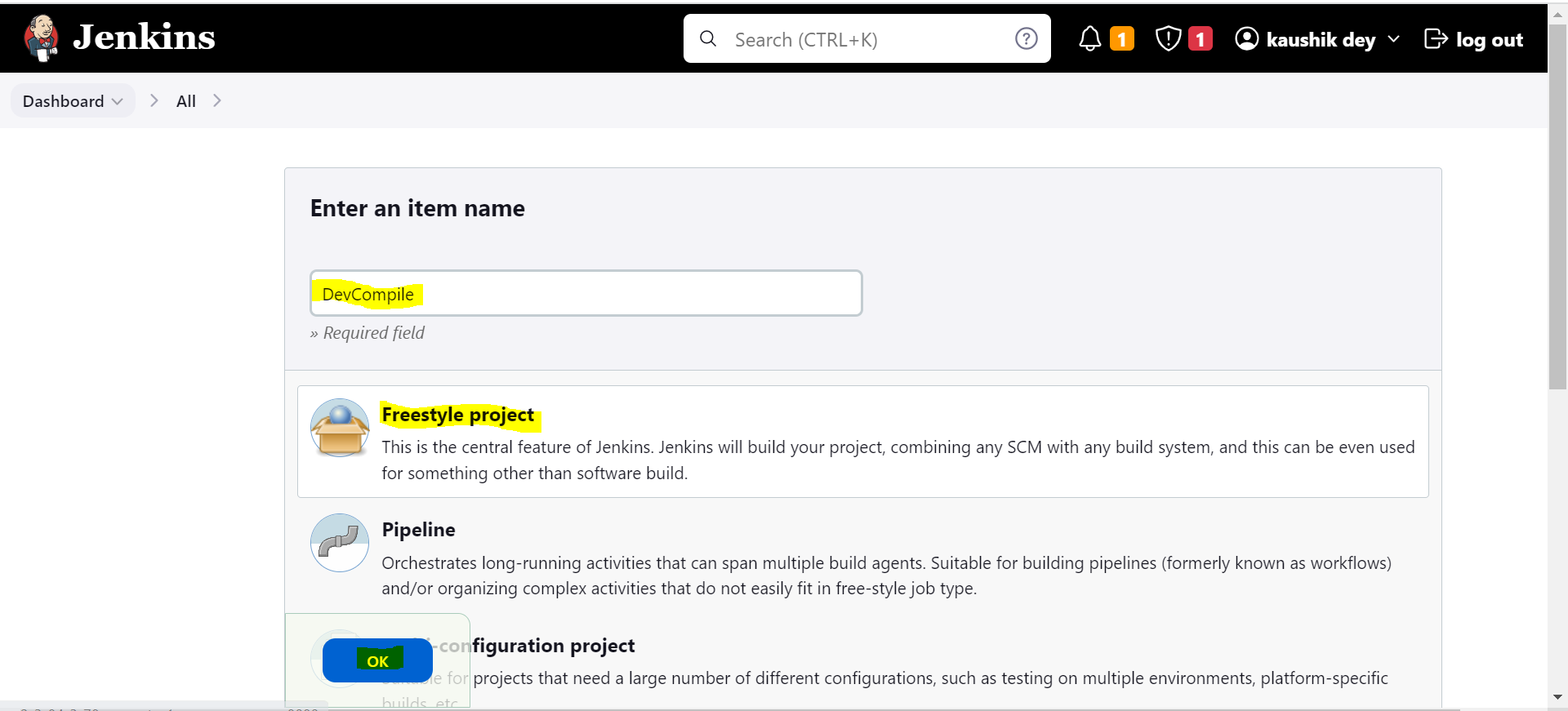
Kaushik Dey

Kaushikdey1984@yahoo.com

continuous integration with jenkins

Jenkins build pipeline

Step1 : Create Pipeline view using DevCompile and QAUnitTest.



Step 2 : After creating the free style project we must add our git repository , in my case using this following

git repo : <https://github.com/edureka-git/DevOpsClassCodes.git> ( public repo )

credentials None.

After that apply the changes.

Graphical user interface, text, application, email

Description automatically generated

Table

Description automatically generated with medium confidence

In later stages we can also add our branches.

Step 3 : now we can concentrate on build steps , in this case please choose **Invoke top-level Maven targets.** Thescreenshot is given below.



**Note :** In first time MVN is not installed in the Jenkins workspace , first we have to install it via global configuration, the screenshot is given below.

First navigate to Global Tool Configuration from Managed Plugins

Graphical user interface, text, application

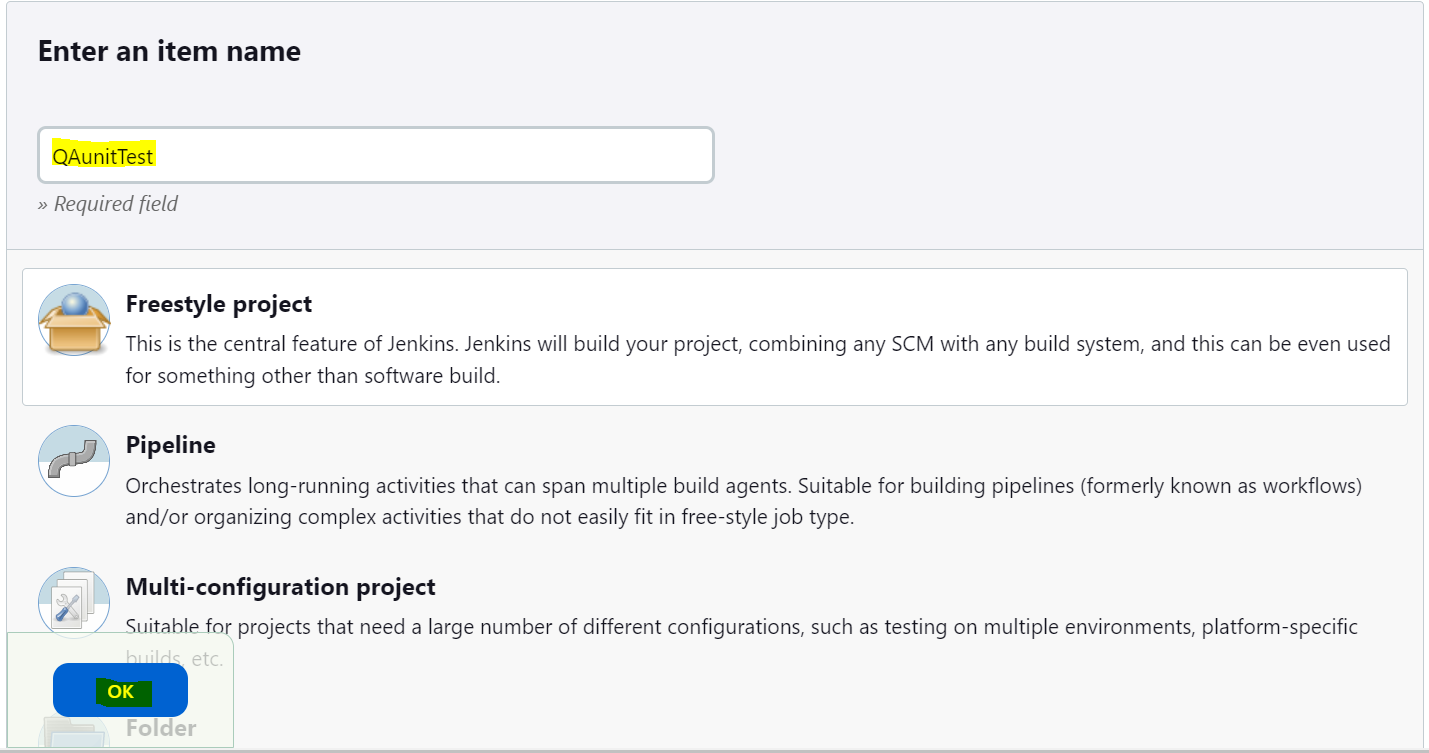
Description automatically generated

And then

A picture containing timeline

Description automatically generated

Step 4 : Create QAunitTest project and provide the same SCM path and execute it after DevCompile Action by setting build.



Graphical user interface, text, application, chat or text message

Description automatically generated

Step 5 : Check Junit plugins are present or not, the screenshot is given below.

Graphical user interface

Description automatically generated with low confidence

Step 6 : Configure DevCompile project and set post-build action as QAUnitTest.

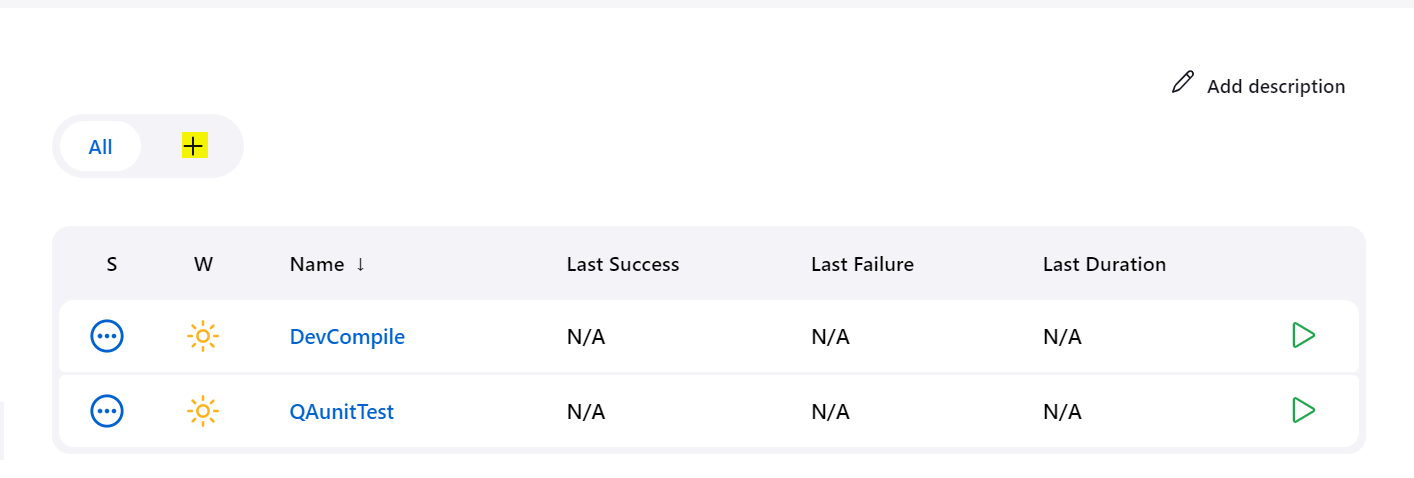
Graphical user interface, text, application

Description automatically generated

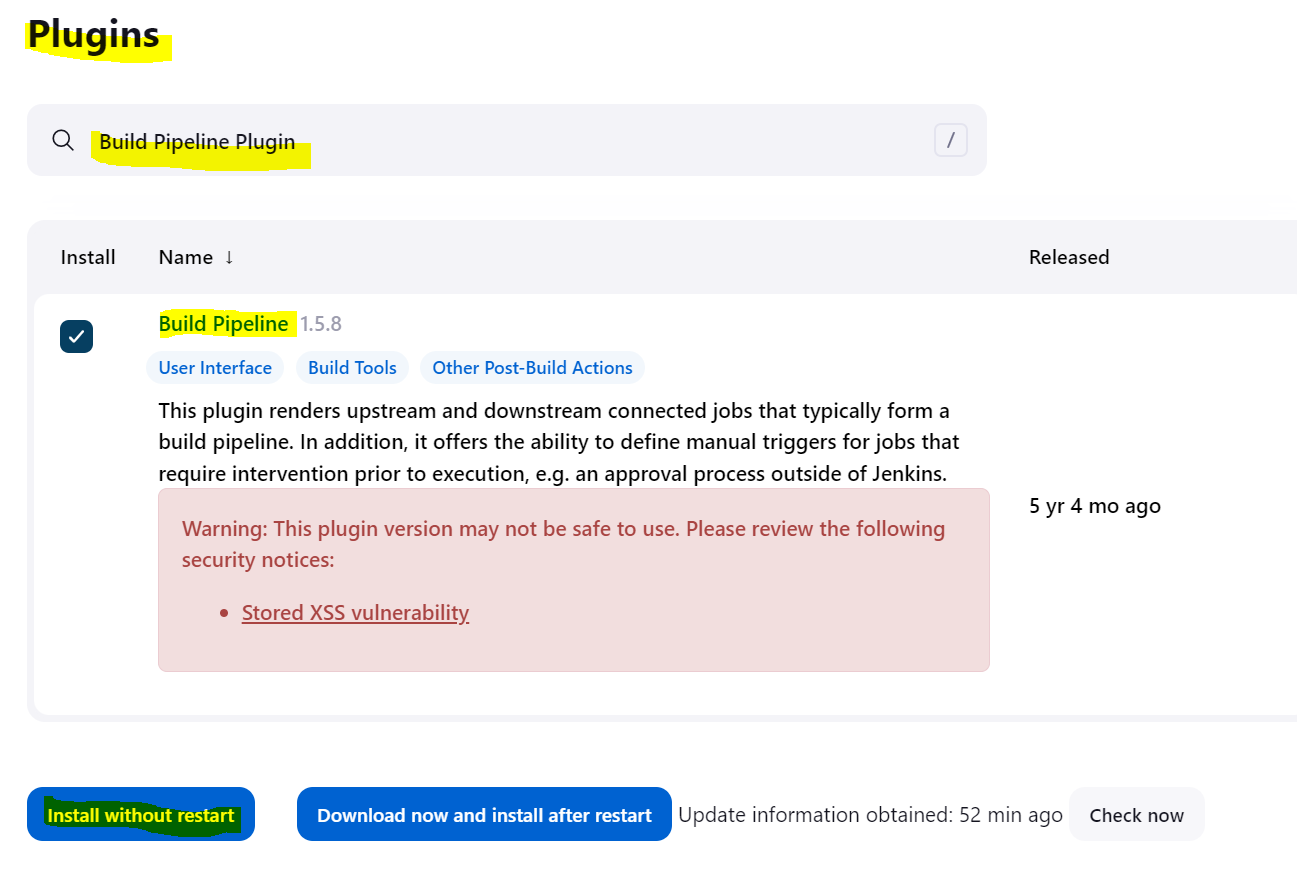
Step 7 :

* Go to Jenkins Dashboard and click on the “+” button. That button is for adding a view.
* You will be redirected to the following screen.
* Give the View name and Select the build Pipeline View radio button, and press OK.

Screenshot 1 :



Screenshot 2: before going to the new view we have to install build pipeline plugins, so all jobs should be showing as in pipeline interface, the screenshot is given below.



* Now we can check that plugins are installed or not, if it is installed it should be present in installed plugins. The screenshot is given below.

Graphical user interface, text, application, email

Description automatically generated

Screenshot 3 :

Graphical user interface, text, application, email

Description automatically generated

Step 8 : Now we have to configure build pipeline view.

Screenshot 1:

Graphical user interface, text, application, email

Description automatically generated

Screenshot 2:

Graphical user interface, text, application, email

Description automatically generated

Screenshot 3:

Graphical user interface, text, application, email

Description automatically generated

Then click on OK button to proceeds.

Step 9 : our jobs ( Upstream and downstream) done successfully. We can see the following output.

Graphical user interface

Description automatically generated with medium confidence

Step 10 : we can see the console output of this two jobs , the screen shot is given below.

Screenshot1 : This is my build no.5 and the console output is that. (DevCompile). Also noticed that **Triggering a new build of QAUnitTest**

Table

Description automatically generated with medium confidence

Screenshot2 : This is my build no.5 and the console output is that. (QAUnitTest)

Graphical user interface, text, application

Description automatically generated

Step 11: Now we can see the pipeline view of this job, just click on demo\_execution\_1. The screenshot is given below.

Graphical user interface, application, website

Description automatically generated

Conclusion: Successfully build the pipeline with upstream and downstream the project.