

FrameWork:

Framework is a well organized structure of components or collection of reusable components execution, development, modification, maintenance is easy and faster.

We have three stages in framework

1. Design
2. Implementation
3. Execution

- We are following Hybrid framework.

1. Open the browser enter the URL of Skillary.com. click on gears.click on "skillary demo app" .Switch the control to new tab mouse over on course select java double click on + button. Click on add to cart switch the control to alert pop up and click on ok.
2. Open the browser enter the URL of Skillary.com. click on

gears.click on "skillary demo app". Switch the control to new tab now select testing from dropdown and scroll down till facebook and click on it.

3. Open the browser enter the URL of Skillary.com. click on gears.click on "skillary demo app". Switch the control to new tab now click on feed back and click on download invoice.

Github:

- It is an online Repository, which is used to store and maintain the source code.
- It is decentralized object repository.

How to create a github account

1. Open www.github.com and click on signup.
2. Enter valid email id
3. Create a password(that will be your git hub password) and click on continue.

4. Enter username (that will be git hub user name)
then click on continue.
Would you like to receive product updates and
announcements via email **Y--yes** N—no
5. Verify your account by puzzle
6. Git hub launch code(OTP to mail)
7. How many members(give only me)
8. Select team members and student or **teacher**
9. Select all preferences
10. Free version
11. Github home page opens

Steps to create Repository

Open github---click on + new repository...give
repository name----select public----ok...

Steps to create Token key

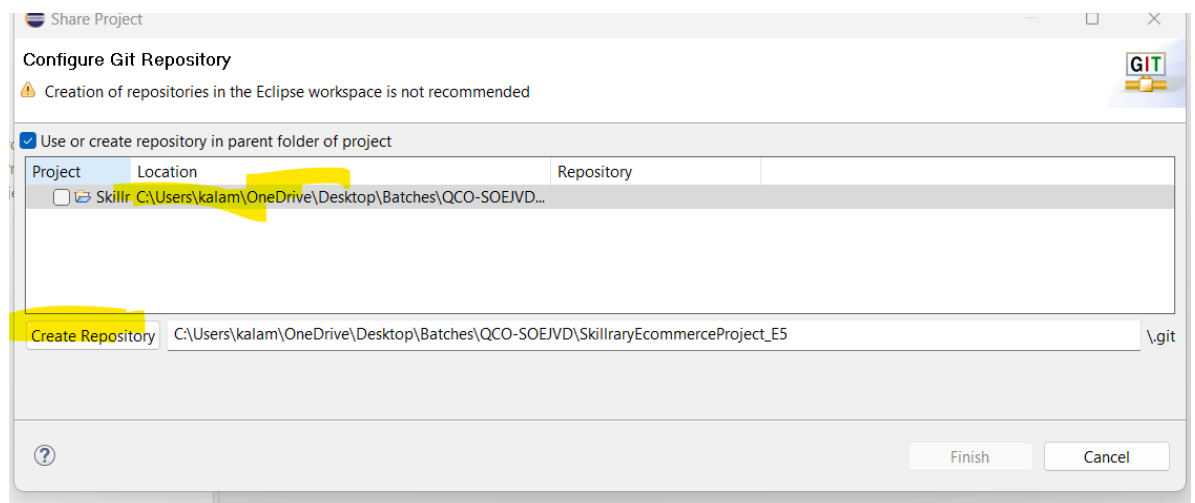
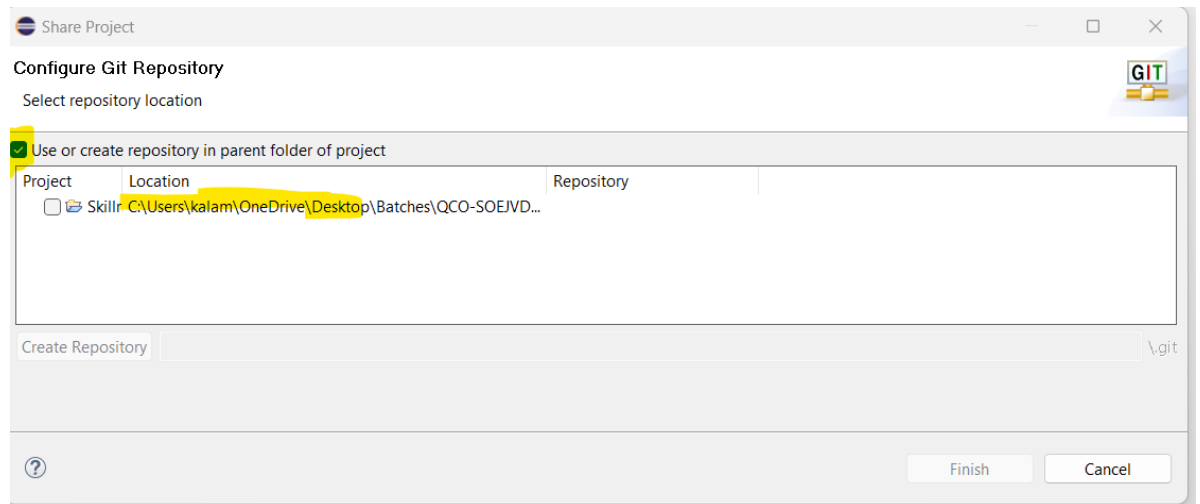
Profile---setting---developer setting....personal
access token ----select classic)....generate token----
give description in note....under expiration give no
expiration(if not select maximum number of
days)select all the checkboxes...click on ok –save
token..

This is how token id looks like

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

How to commit and push the code to github

Select project---right click---team---share project----



select path-----create repository-----finish.

Select project---right click---team----commit---

select all from unstaged changes to staged
changes(select all and drag and drop)

Give commit msg click on (commit and push)

....click on push a head...repository URI check every
thing and ok..ok..finish.

After pushing go to github refresh the page then you can see the code what you have pushed.

How to import

Openecclipse—file---import---project from git---
clone uri-----give urlnext.... next...finish

Creating child branch

Select project---right click---team---switchto—
newbranch---give new branch name as child1..ok
Select project---right click---team---commit-- select
all from unstaged changes to staged changes
Give commit msg commit and push give
repository URI check every thing and ok..ok..finish.

Maven

What is Maven ?

It is a build testing tool which is used to check the integration issues between the Framework

components whenever modifications like addition deletion happened in the framework

Advantages of Maven

- We can handle dependencies jar easily
- If there is any integration issue between the Framework components whenever modifications like additions deletions happened in the Framework you can handle the easily
- We can create the Framework configuration quick setup for the new engineers we can create the Framework folder structure easily
- We can run the test script in command line without eclipse
- Maven majorly supports in Jenkin which is CI/CD tool
- Maven also supports, command line parameters

Jenkins:

- Jenkins is CI / CD tool

- Jenkins will continuously monitor the GitHub so Jenkins are called continuous integration tool
- In Jenkins we have three levels of executions
 1. On schedule
 2. On demand
 3. Poll SCM(source code management)

On schedule : Based on the schedule time the project or build will get executed

On demand : Based on the customer demand the project or build will get executed

Poll SCM (source code management):Any changes done to the framework and added to the github Jenkins will recognise automatically and execute.