CREATINNOS

Online Test System

**Project Structure:**

* Packages should start with **com.creatinnos**

**Tools Used on Project Development:**

* Bitbucket Account
* Eclipse
* Java 1.8
* Mysql
* Git Bash
* Apache Tomcat

**Bitbucket Account Creation:**

* Hit <https://bitbucket.org/account/signin/> 🡪 Click Signup 🡪 Give necessary Information 🡪 Send your Account Id information to Admin user to get access to the Project Repository.

**Pulling the code from Git Repository:**

* Open GitBash
* Go to the convenient folder to pull and store the code
* Execute the commands in same sequence
  + git clone <https://babubsp4@bitbucket.org/ctsfriends/onlinetestsystem.git>
  + cd onlinetestsystem/
* on the first command it might ask the username and password give your bitbucket username and password

**Eclipse Setup:**

* Make sure eclipse is up and running
* Click File 🡪 Import 🡪 Existing Maven Project
* Select the path where you pulled the code from Repository
* Select the pom.xml file 🡪 Click Finish

**Bringing up the Application:**

* Right Click the project 🡪 Run As 🡪 Maven Build (Mostly Option 4) 🡪 give Goals : as **clean install** 🡪 Run
* Make sure there is no error in console
* Right Click the project 🡪 Run As 🡪 Run on Server
* Select the server in available list
* Welcome Page will be loaded.

**Useful Git Commands :**

* git add .
  + add all file for the commit
* git add filename
  + add only the selected file to the commit
* git commit -m “Description about the commit”
  + commit the changes to local git repository
* git push
  + push the commits from local repository to Git Repository(In our case bit bucket)
* git status
  + Helps to check our branch is in synch with Main Git Repository
  + we can see changes made to the branch
    - newly added file,modified files, deleted file.
    - Staged file(files added to next commit) and unstaged file(files not added to the commit)
* git log
  + Helps to check our branch is in sync with Main Git Repository
    - Once you execute this command you will see log of all commits with SHA id.
    - Before committing the code to main Repository make sure the SHA of recent commit(commit which is next to your new commit) is in sync with last commit in main Repository other wise code cant be pushed.