**About git.dotdash project packages and java files description**

**Localhost-url:** http://localhost/dotdash-project/index.php

1. Created maven project and added dependency for selenium web driver, testing, apache poi, json, http components.
2. Created src/main/java, src/test/java and added packages under src/main/java like com.dotdash.config, com.dotdash.data, com.dotdash.pages, com.dotdash.testbase, com.dotdash.util, com.client.qa
3. Under src/test/java have default package and com.qa.tests
4. com.dot.config 🡪config.properties 🡪This is will have url and browser information
5. com.dotdash.data🡪com.dotdash.xlsz🡪will have data to run data driven run for creating task with different set of data
6. com.dotdash.testbase🡪TestBase.java – This class with read data from confg.properties file and initialize selenium webdriver
7. com.dotdash.util🡪TestUtil.java🡪 This class have common utilities need for this project like reading data from excel files, scrolling the page if there are more number of task, taking screenshot.
8. com.dotdash.pages🡪Controls.java 🡪 addTask

addTask will read data from excel file and before adding the task will call validateTask to check if the task exists or not, if it already exists it will not the add the task.

1. com.dotdash.pages🡪Controls.java🡪addCategory

addCategory will enter category, select color & will call validate color to check if the color exits in color dropdown if it exists it will not add the category

1. com.dotdash.page🡪Controls.java🡪removeTask

removeTask will get the taskname that needs to be removed and will call validateTask if the task exists or not

1. com.dotash.pages🡪Controls.java🡪completeTask

completeTask will get the taskname that needs to be completed and will check if the strike is displayed or not

1. com.dotdash.pages🡪 will click on tasknumber and updates if the task name does not exist or updates the task with other values if the task name exists.
2. com.qa.client🡪RestClient.java🡪

//This class has 2 methods. CloseableHttpRespone will return responseString from api, getValueByJapth will return the value for parameter from json object

1. defaultpackage🡪ControlsTest🡪setUp, @test, @dataprovider

This will initialize selenium webdriver and have test to add category , add task which add the task from the data provided in excel file

1. com.qa.tests🡪GetAPITest.java

a.This class will read api url from properties file in set up method

b. it has test for GetAPITest will validate response code and print values of header in hashmpa

c. it has test for GetAPITotalTasktest which will do the following

1. create json array from api url and for each json object will getValueByJpath to read values of parameters like ‘id’, ‘category’, ‘task’, ‘duedate’.

2. it will print total number of tasks

3. it will validate if the category is not assigned and print task associated with it.

4. it will get duedate which are not empty and print task based on descending due dates

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