

Automation Framework Engine

main/java/com

Nasdaq.ignite

data
locators
models
testUtils

models

Here we have our pojo classes with annotations and builder tag which directly creates builder methods to be used in factory

E.g: UserForApi, UserForUi, Questionnaire, UserLogin

locators

Here we are storing element locators according to pages to be used in the test util and test classes.

E.g: UsersL, QuestionnaireL

data/factory

In the factory package, we are setting model data with builders by the help of fakers and getting modelClass return type to be used in the testUtils

E.g:
public static modelClass getValidData()
UserForApi newUserForApi = UserForApi.builder()

taw

api methods
drivers
elements
emails
extent Report
utility

Core Automation Framework

elements/Actions Class

All of the core functions related to ui automation

testUtils

In the test utils we are using factory methods and common methods to be used in test classes. These classes are using singleton pattern since we dont want to create instance everytime.

Test util classes are using inheritance with Actions because we are using selenium functions to make common collections.

E.g
UserTestUtils
QuestionnaireTestUtils

Resources

Environments

Global properties

Payloads

Schemas

Pom.xml

Nasdaq Ignite Tests

test/java/com

BaseTest Class

protected UserTestUtils userTestUtils = UserTestUtils.getInstance();

Above, for each test util classes, we are calling singleton getInstance method and no need to create instance always.

public void before_general()

public void after_general()

public void login(String username, String password)

public void logout()

As you can see from above methods, we are having text fixtures with annotations in the basetest class

testUi

Here we have test classes which are extending BaseTest class to use text fixtures and test util classes

E.g

public class UserTest extends BaseTest

public class QuestionnaireTests extends BaseTest

testWebservices

Here we have webservice test classes for api testing of ignite app. These test classes also extend BaseTest class.

E.g

public class QuestionnaireTestsWS extends BaseTest

Test Environment (Maven)

TestNG

SmokeTestSuite.xml

extentreports
TestListener