5 days of Capstone Project

17-Jun-2022 - Capstone Project

20-Jun-2022 - Capstone Project

21-Jun-2022 - Basic Hands-on Mock

22-Jun-2022 - Basic Objective 2

23-Jun-2022 - Morning: Basic Hands-on assessment; Noon: Project submission.

1)Functional Testing - Selenium + Junit / TestNG

1 project allocated

Java Project -- FT<ProjctID>_<EmpID> FT2_11xxxx

        Packages -- use submodule names Eg. login / logout / addNewAccount

            Junit / TestNG classes -- n of classes with n @tests

*********Testing -- passing invalid / improper values and check for warning and error msgs

Types of checks

**GUI Check

1)"The page would look like as shown below"

        appearance of application as shown in PDF.

2)No script/code needed to check the status of pass / fail

3)Check Manually.

4)Capture a screenshot(through code) and name it accordingly

        --If you find fields in screenshot captured is exactly as expected in PDF --> not a defect

        --If not, record in the list of defects -- with proper details

Name screenshots -- GUI_<name> GUI_Login

Mandatory Check

(if a field(textbox, RB, CB, DD…) is developed mandatory, a value/ an input should be given to it).

Violating mandatory constraint by skipping the input to those fields mentioned as mandatory*

Case1: No values passed

      - Submit the form without passing values to any fields.

      - whatever error/warning messages pop up -- print it in the console

*First field will be checked by default

Case2: Pass values one by one and submit the form

      - In each execution, inspect the error msg and print it in the console

***All the values passed should be correct/valid

Length check and Format Check go hand in hand

**Length Check

      - Violate Length Constraint

      - Maintain Format constraint

**Format Check

      -Violate Format Constraint
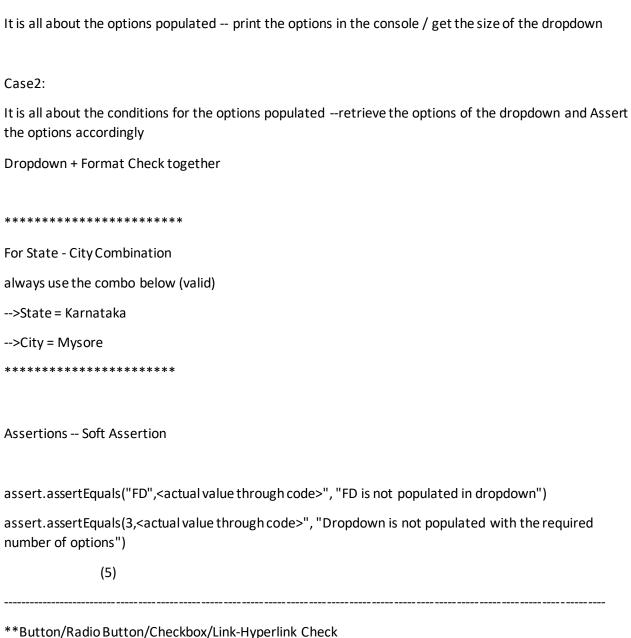
      -Maintain Length Constraint

Case1 : For a field, there exists both length and format constraints

Example : Username should contain only "alphabets" with maximum of "12" characters

Format Constraint - only alphabets

Length Constraint - Max of 12 [1-12]

***********Length Check on Username :

Violate length by passing inputs > 12 characters

Invalid Input : SowmyaInfosys == 13 char (Length is violated, Format is maintained)

***********Format Check on Username :

Violate format by passing inputs other that alphabets

Invalid Input : Sowmya@1 == Spl cha + number are not allowed

***********SowmyaInfosys@123 - Do no violate multiple checks together*************

Case2:

Format Check Alone

Example : Deposit Type should be either 'FD' or 'RD' [inputs given are case sensitive]

Invalid inputs - Fd, Rd, fd, rd, fD, rD (w.r.t text boxes)

Case3:

Length Check Alone:

Example : EMI period should be in range 7 to 12 months [7,12]

Lower range =7

Upper range = 12

Invalid inputs taken -

<Lower Range(5) (<7)

>Upper Range (15) (>12)

**Dropdown Check

Case1:

It is all about the options populated -- print the options in the console / get the size of the dropdown

Case2:

It is all about the conditions for the options populated --retrieve the options of the dropdown and Assert the options accordingly

Dropdown + Format Check together

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For State - City Combination

always use the combo below (valid)

-->State = Karnataka

-->City = Mysore

****

Assertions -- Soft Assertion

assert.assertEquals("FD",<actual value through code>", "FD is not populated in dropdown")

assert.assertEquals(3,<actual value through code>", "Dropdown is not populated with the required number of options")

(5)

**Button/Radio Button/Checkbox/Link-Hyperlink Check

-- it is all about the implementations given for those fields

(mostly capture screenshots accordingly)

**Enablement Check

-- which is present on the page already, but the access is disabled, and access is enabled upon some set of actions

-- whenever u find something enabled - simply capture a screenshot (through code) after the action

**Auto Generation Check

--Something which is displayed on the screen upon set of actions

-- whenever u find something autogenerated - simply capture a screenshot (through code) after the action