**CFO – ONSITE DEFECT MODULE**

**Cohort QEA21QE009 -Team: 1**

Team Members:

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| 910634 ArchanaDevi.V.V | 910574 Vijay Raghavan C |
| 910464 Sri Abishek S | 910628 Manimegalai K |

**Introduction:**

The Prolegomenon to the project is that for the rendered automation process to the required Mainspring CFO Onsite project is used to creating a defects and editing the existing defects, and to process various functionalities with the use of selenium tool and along with some various testing tools and automations and fixing the Intricacies defect methods.

**Tools/Technologies:**

The tools used in this projects are Selenium, Java, Eclipse, Apache POI, POM, Maven, TestNG , Cucumber.

**Problem Statements:**

Automate the Defect Module in the CFO Onsite page on the MainSpring website.

1. Login to Mainspring CFO\_Project Defect Module through [www.pratesting.com](http://www.pratesting.com).
2. Create new defect
3. Edit existing defects by clicking the specific defect which is to be edited.
4. Automate top menu functions such as import defect, export defect search defect , filter, sort defects, change table view of defects
5. Automate bottom menu functions such as first page, last page, previous page, next page, refresh page.

Website To Automate: [**https://pratesting.cognizant.com**](https://pratesting.cognizant.com)

**Key Automation Scope:**

**This project has addressed with all the below mentioned Key Scopes**

* Data Driven Approach
* Maven Project
* Extent-HTML Report
* TestNG
* Cucumber
* Waits used(WebDriver Wait, Explicit Wait, Implicit Wait)
* Log Files

**Drivers**

* ChromeDriver
* GeckoDriver
* EdgeDriver

**Modules and References:**

Test Scenarios of the project are the Modules. There are 5 modules in the project

**Login Module**

**Login Module** is mapped to **Login.java** in project code.

1. Login to <https://pratesting.cognizant.com>. through Cognizant Credentials

2. Go to mainspring Homepage and click on to CFO Onsite in the project/Program text button section in the menu bar.

3. Click the Defect module from the Execute menu

**Create/Add Defect Module**

**Create/Add Defect Module** is mapped to **Details.java** in project code.

1. (+) icon is clicked to create/ add defect.

2. Fill the mandatory fields and create defect

**Edit Defect Module**

**Edit Defect Module** is mapped to **DefectsEdit.java** in project code

1. Click the defect to edit

2. Edit the form fields and save

**Top Menu Functions Module**

**Top Menu Functions Module** is mapped to **TopMenuFunctions.java**

1. Export the defect with the required file type and download the defect.

2. Import the defect by uploading the file

3. Search defects

4. Apply customized filters

5. Clear filters

6. Apply multiple sort on defects

7. Create and apply customized table

**Bottom Menu Functions Module**

**Bottom Menu Functions Module** is mapped to **BottomMenuFunctions.java**

1. First Page

2. Next Page

3. Last Page

4. Previous Page

5. Refresh Page

**Output**

**Log4j-** Outputs are logged in log file **TestOutput/Logs.**

**ExtentHTMLReport-** Reports are mapped in **TestOutput** folder.