**Part Two - Quality Assurance Web Form Test**

1. **Testing approach**

Different type of testing we can perform on this Regd Form page are

Functional Testing , Automation Testing , Non-Functional Testing

The Testing method may include Assembly Testing , Integration Testing , UAT ...

1. **High Level Scenario**

**Happy Flow:**

1. Verify user is able to submit personal information in regd. form page
2. Verify user is able to submit personal information in regd. form page without adding company and uploading photo
3. Verify user update the Personal details once submitted successfully
4. Verify user can click on continue button and navigate to next page on successfully entering the
5. Verify user can able to submit the personal information with unique email and phone number

**Negative Flow:**

1. Verify whether existing user try to add the same personal details in regd. form on clicking “ Add Another Person “ button
2. Verify whether user try to enter date of birth as future date.
3. Verify whether user try to enter the invalid data for below fields in personal details page
4. Email ( Invalid Data e.g itc.itc.com )
5. Surname and Forename ( Alphanumeric with Additional Symbols e.g IT@##2345Cinfotech )
6. Mobile Number ( Invalid Number : e.g 00000000)
7. Date Of Birth ( Current Date , Future Date )
8. Membership Number ( Invalid Number e.g 000000 )
9. Verify whether user cannot add “Add Another Person “ details without entering any details in personal page
10. Verify whether user is able to create account with existing email id and phone number
11. **Name some non functional tests you would perform, what you are looking for in those tests and the tools you’d use.**

Various non functional testing we can conclude here are

1. Load Testing :: to determine how quickly we can access the regd. Form page , what is the load time
2. Volume Testing :: At a time how many users can access the same page , e.g 1000 users what is the performance of regd. Form page
3. Compatibility Testing :: Whether this Regd. Form page can be access over different browser in desktop , virtual machine , mobile devices etc

Tools we recommended here are HP Load Runner , JMeter.

Note : we can use other tools that are available in market

1. **During previous rounds of testing, root cause analysis proved there were a high number of defects surrounding the date of birth field. Document how this information would affect your test approach and list the additional testing (if any) you would perform in this area.**
2. For this case we can check the whether user able to enter the current date , future date and Previous date
3. We can check the date of birth based on human life span e.g user try to enter the date of birth ( as user age is 200 which is not possible.
4. We set a parameter of age to be not less than 18 for the membership available