Selenium Hands-on Training – Class 08

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Recap of previous session

- Waits in Selenium
- Handling alerts
- Performing keyboard and mouse actions
- Working with web tables
- Taking screenshots

Last week Assignment

Please write the number of beds, O2 and Ventilator availability in console like below for various hospitals across the zones from the below link . (use dynamic xpath)

- Zone :
- Name of the hospital :
- Total available beds :
- O2 beds availability :
- Ventialtor(s) availability :
- Contact number :

http://office.suratsmartcity.com/SuratCOVID19/Home/COVID19BedAvailabilitydetails

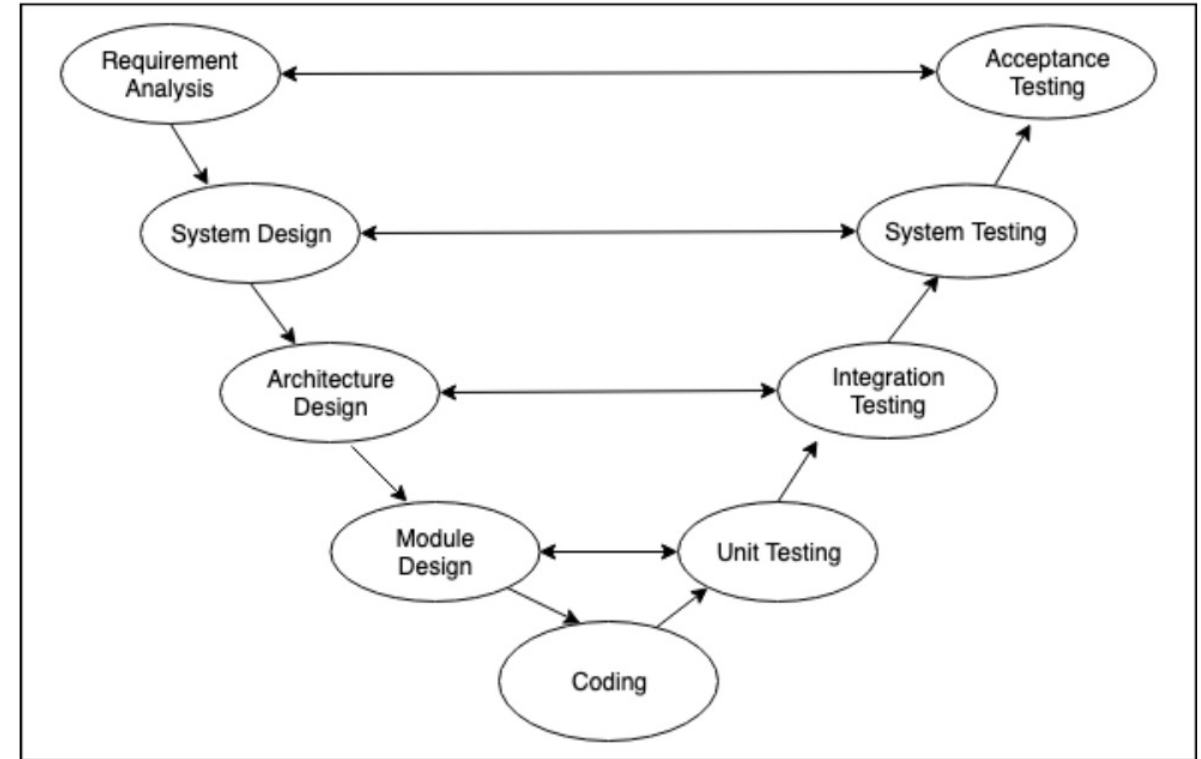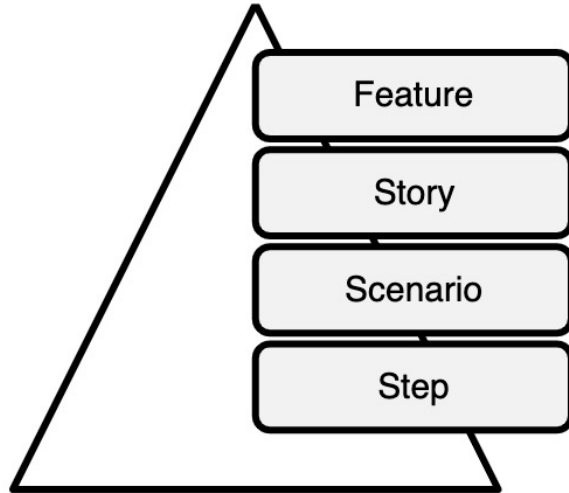- Note : You can also choose different URL from here

Agenda for the day

- Working with excel sheet using Apache Poi
- Cucumber BDD test case implementation

Apache POI library

- Two type of excel sheets – old version and new version
- .xls (HSSF class) and .xlsx (XSSF class)
- We need to add two dependencies in POM.xml (poi, poi-oxml)
- Follow the hierarchy like Workbook -> Sheet ->Row ->cell
- To write excel sheet - Setcellvalue & File output stream
- To read excel sheet - GetCellStringValue & File input stream
- We need to open excel once and write/read all required data
- Close workbook and input/output streams at the end of execution

Cucumber - BDD

- http://www.ijsrd.com/articles/IJSRDV6I30360.pdf
- https://www.sciencedirect.com/science/article/pii/S0164121221000418#b21
- https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.459.5873&rep=rep1&type=pdf

Assignment for the day

- Please write the collected data as a part of last assignment (COVID bed availability web scrapping) in Excel sheets (one sheet per zone).

- Please implement the previous assignment [automation practice – online shopping test cases) using BDD where pass all the input data from Gherkin or excel and write the order details back to excel.

- Please read about what is automation framework, types of automation framework.

In the next class

- Selenium Grid
- Introduction to automation framework
- Components of automation framework
- Types of automation framework