# "SELENIUM WITH JAVA & PYTHON"
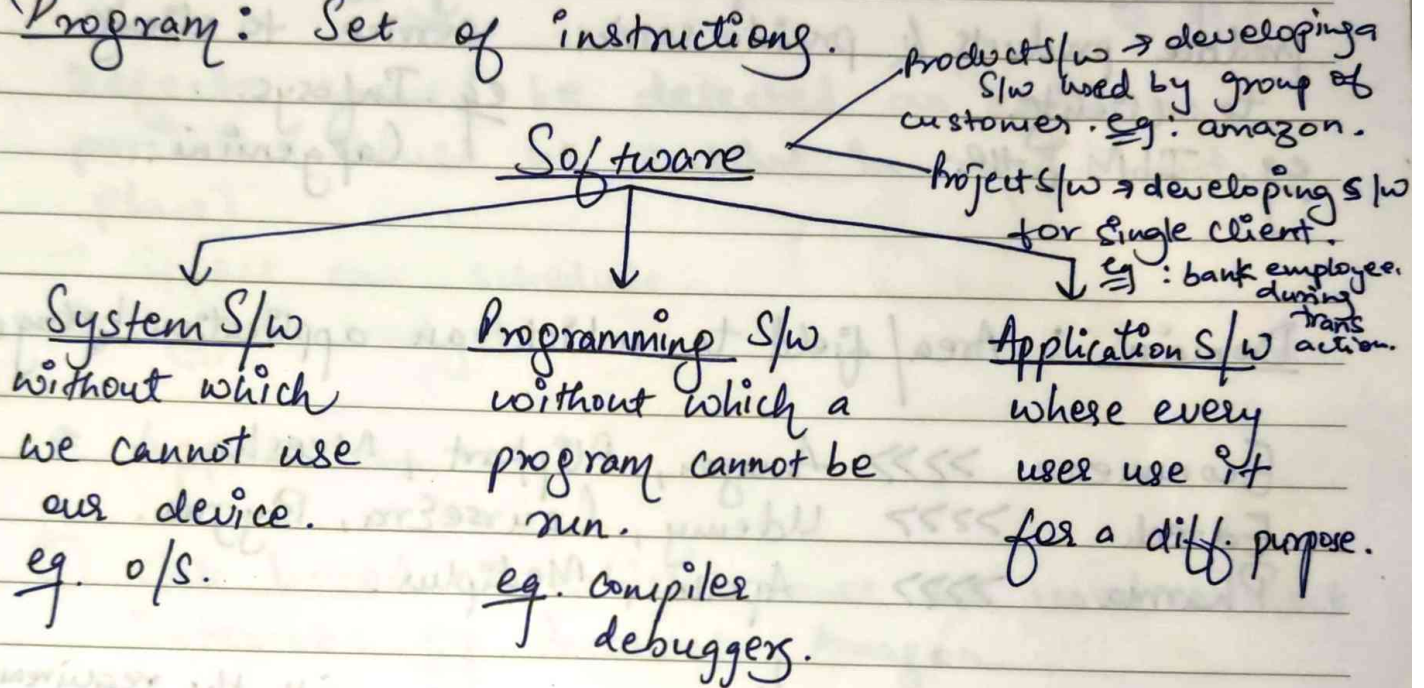## "API TESTING"

__Software__ : Collection of programs to perform a desired task. what to do & how to do.

__Program__ : Set of instructions.

__Software__

→ product s/w → developing a s/w used by group of customer. eg : amazon.

→ project s/w → developing s/w for single client. eg : bank employee during trans action.

__System S/w__
without which we cannot use our device.
eg. o/s.

__Programming S/w__
without which a program cannot be run.
eg. compiler debuggers.

__Application S/w__
where every user use it for a diff. purpose.

__Product__ >> application which are >> based on market req. used by people

↑ restricted to single person

__Project__ >> Single user >> transactions were made manually >> automate >> application >> IT (xyz) >> what all features (payee, send money, receive, FD)....

__Defect__ : Difference b/w expected result & actual result.

__Error__ : Human mistake.

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* Types of Organization / Company

Product based          Service based
↓                      ↓
Organisation that develop &     Organisation that provide
produce products & provide service    service to client.
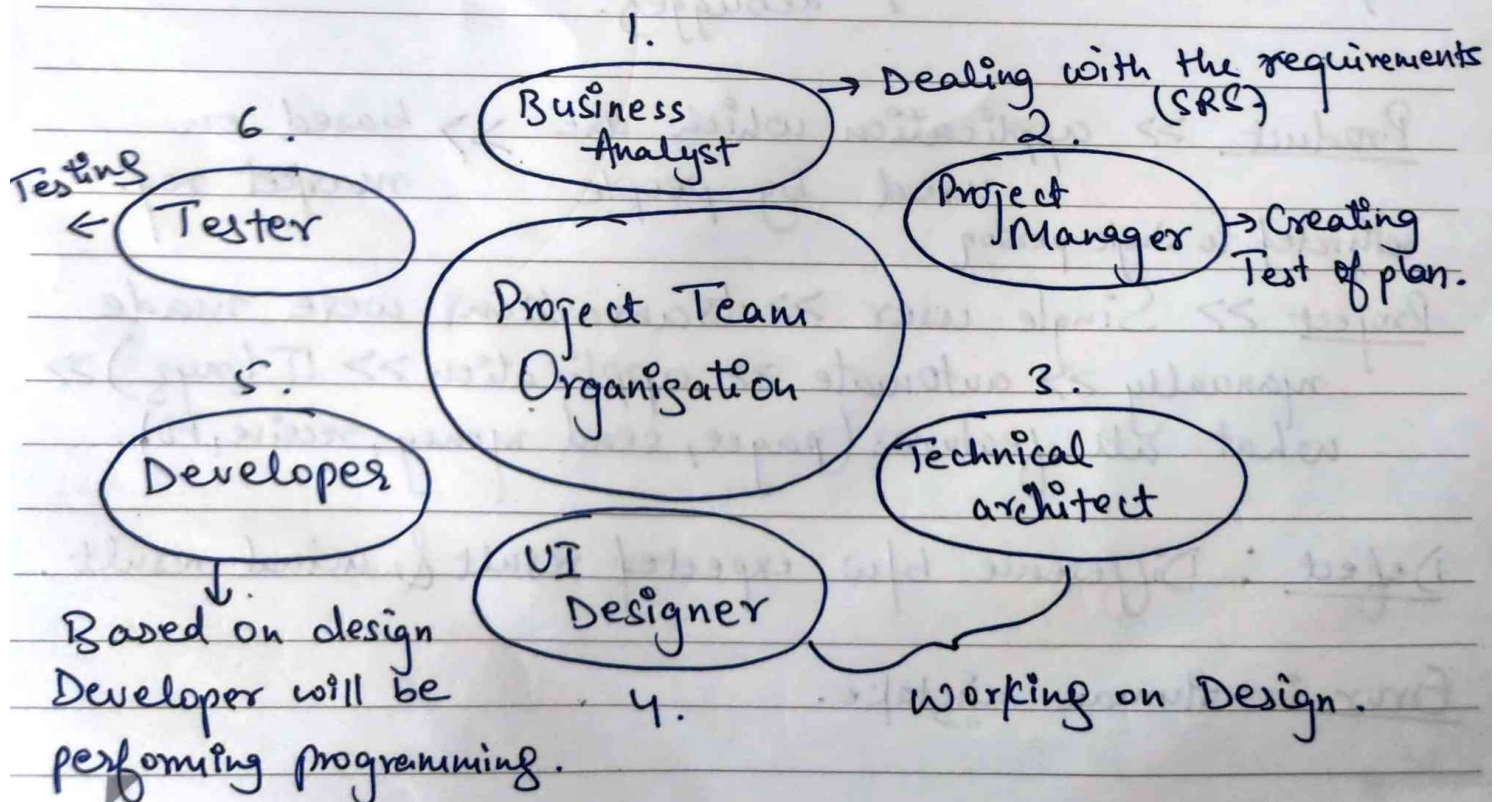to client.                            eg. Infosys.
eg. IbM, HP.                               Capgemini.

Domain : Area/field to which an application belongs

Ecommerce >>>>> Amazon, Flipkart, Meesho.
Edtech    >>>>> Udemy, CourseEra, ByJus.
Pharma    >>>>> Apollo, Mediplus.

1.
Business → Dealing with the requirements
Analyst        (SRS)
                        2.
6.
Testing          Project
← Tester         Manager → Creating
                           Test of plan.
    Project Team
    Organisation           3.
5.
Developer              Technical
                       architect
            UI
            Designer
↓.
Based on design
Developer will be      4.    working on Design.
performing programming.

* Testing Principles

→ Develop an application
1. Requirements.                    4. Testers.
2. Design.                          5. Deployment
3. Developing                          (release of app.)

Defects should be detected as easily as
possible. (Should be cutshot in requirement
phase)
→ Effect our schedule.
→ Effect budget.

* Applications

① Web based → which cannot be used without
internet. eg. facebook, Amazon.

②. Desktop → do not require internet, run
locally on our machine. eg. Calendar, Calculator

③. Mobile based → may or may not need
internet. eg. Calculaitor, Calendar, facebook.