Software Testing Assignment

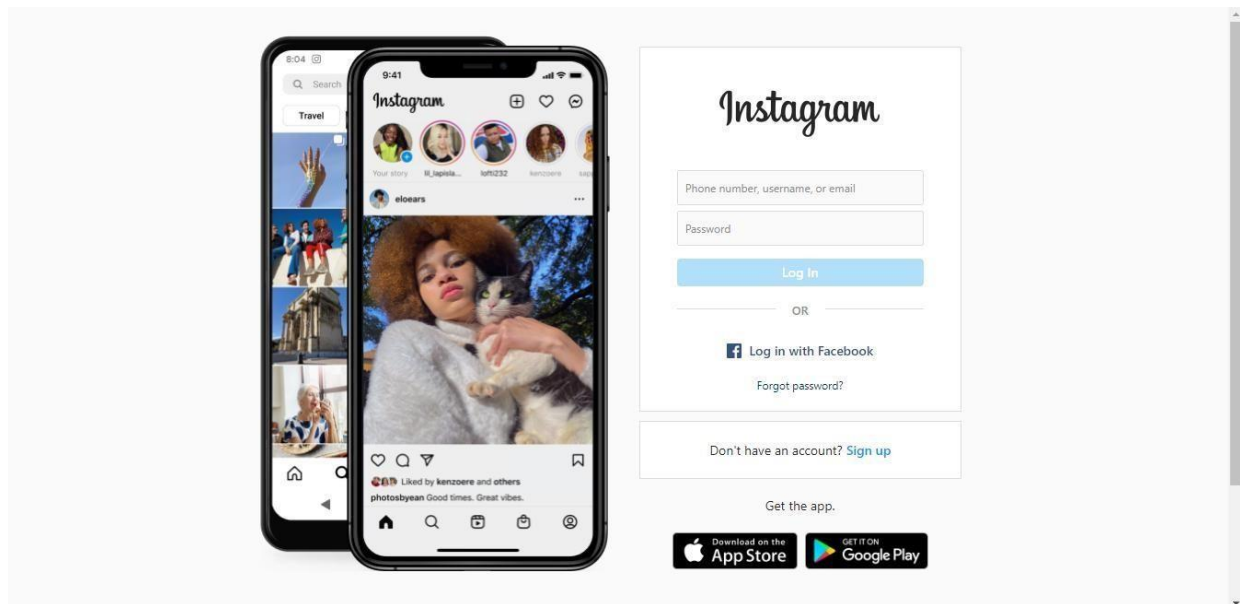## Module–1(Fundamental)

- What is SDLC

- What is software testing?

- What is agile methodology?

- What is SRS

- What is oops

- Write Basic Concepts of oops

- What is object

- What is class

- What is encapsulation

- What is inheritance

- What is polymorphism

- Draw Usecase on Online book shopping

- Draw Usecase on online bill payment system (paytm)

- Write SDLC phases with basic introduction

- Explain Phases of the waterfall model

- Write phases of spiral model

- Write agile manifesto principles

- Explain working methodology of agile model and also write pros and cons.

- Draw usecase on Online shopping product using COD.

- Draw usecase on Online shopping product using payment gateway.

Module–2(Manual Testing)

- What is Exploratory Testing?

- What is traceability matrix?

- What is Boundary value testing?

- What is Equivalence partitioning testing?

- What is Integration testing?

- What determines the level of risk?

- What is Alpha testing?

- What is beta testing?

- What is component testing?

- What is functional system testing?

- What is Non-Functional Testing?

- What is GUI Testing?

- What is Adhoc testing?

- What is load testing?

- What is stress Testing?

- What is white box testing and list the types of white box testing?

- What is black box testing? What are the different black box testing techniques?

- Mention what are the categories of defects?

- Mention what bigbang testing is?

- What is the purpose of exit criteria?

- When should "Regression Testing" be performed?

- What is 7 key principles? Explain in detail?

- Difference between QA v/s QC v/s Tester

- Difference between Smoke and Sanity?

- Difference between verification and Validation

- Explain types of Performance testing.

- What is Error, Defect, Bug and failure?

- Difference between Priority and Severity

- What is Bug Life Cycle?

- Explain the difference between Functional testing and NonFunctional testing

- To create HLR & TestCase of

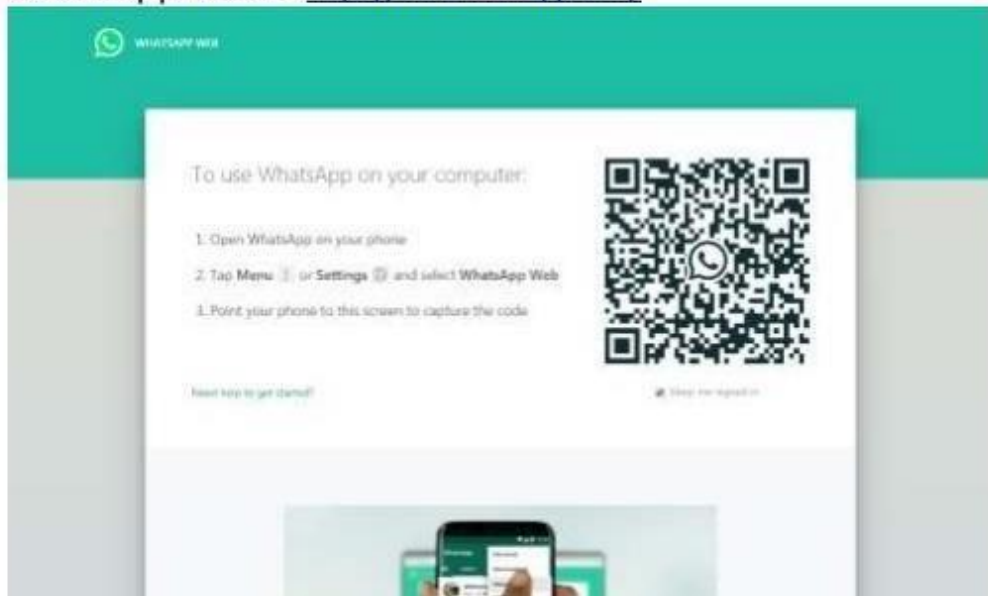1)(Instagram , Facebook) only first page
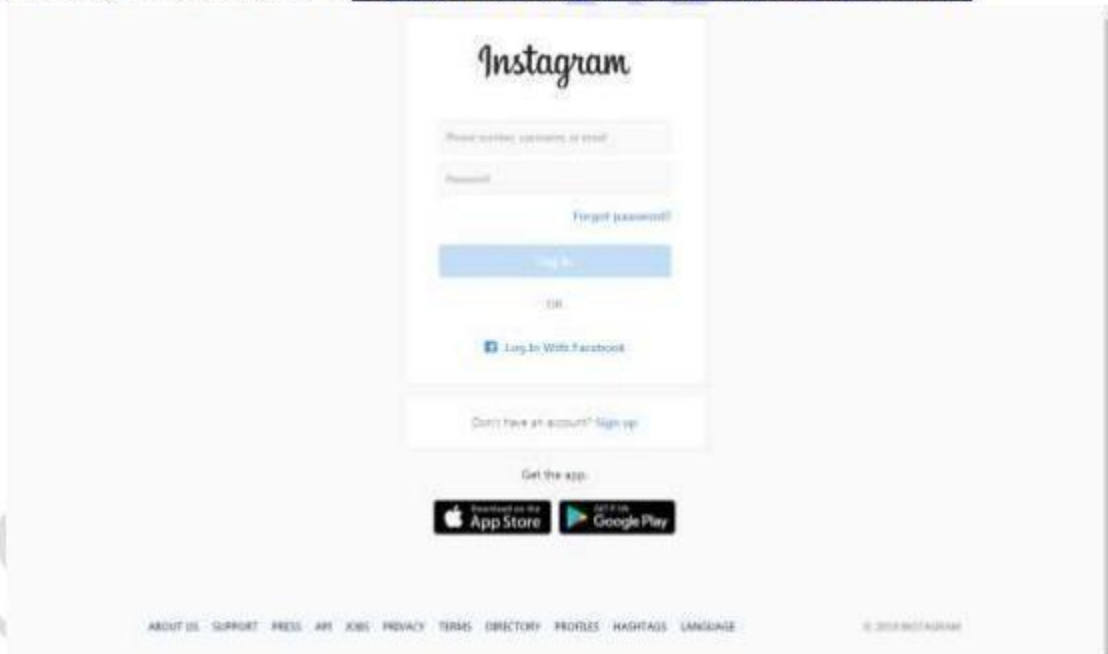

2) Facebook Login Page : https://www.facebook.com/

- What is the difference between the STLC (Software Testing Life Cycle) and SDLC (Software Development Life Cycle)?

- What is the difference between test scenarios, test cases, and test script?

- Explain what Test Plan is? What is the information that should be covered.

- What is priority?

- What is severity?

- Bug categories are…

- Advantage of Bugzila .

- Difference between priority and severity

- What are the different Methodologies in Agile Development Model?

- Explain the difference between Authorization and Authentication in Web testing.What are the common problems faced in Web testing?

- To create HLR & TestCase of WebBased (WhatsApp web , Instagram) 1. WhatsApp Web : https://web.whatsapp.com/

1. WhatsApp Web : https://web.whatsapp.com/

2.InstaGram Web : https://www.instagram.com/accounts/login/?hl=en

- To create HLR and TestCase on this Link. https://artoftesting.com/
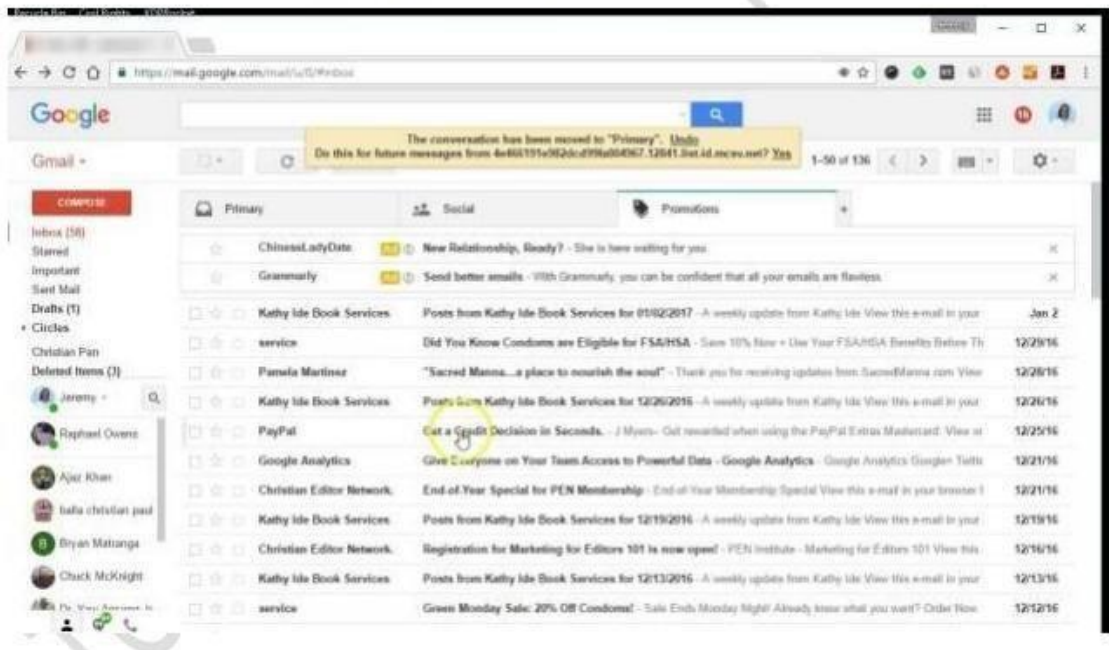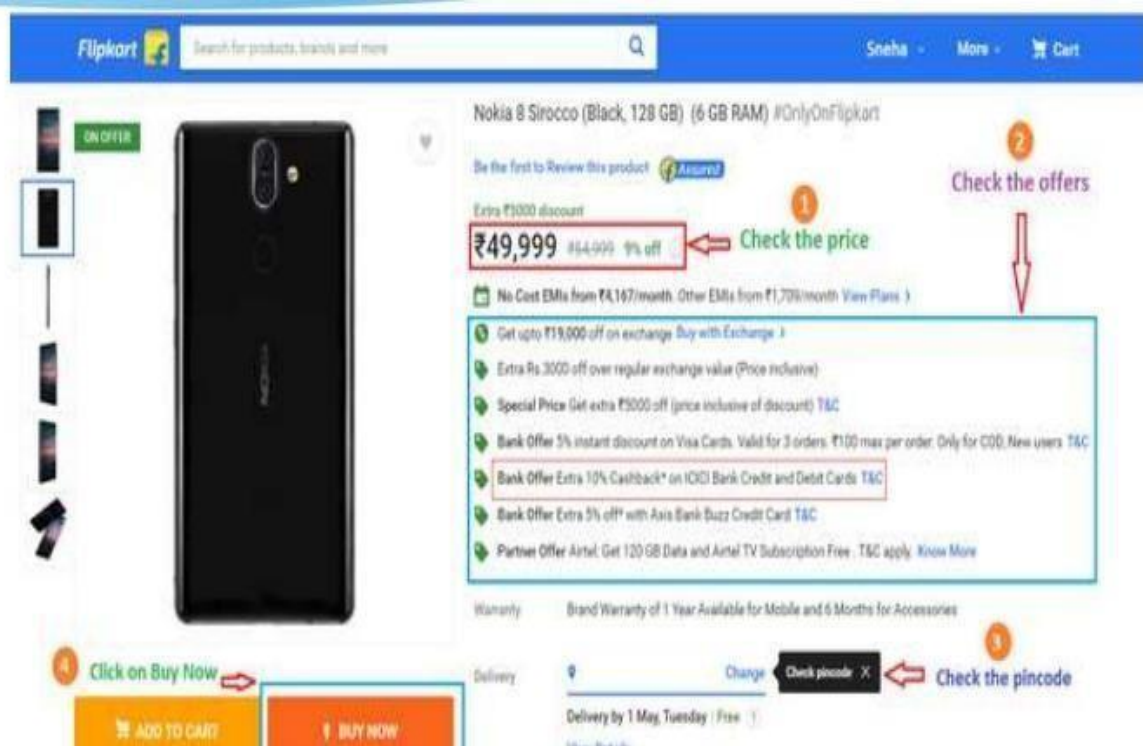

- Write a scenario of only Whatsapp chat messages

- Write a Scenario of Pen

- Write a Scenario of Pen Stand

- Write a Scenario of Door

- Write a Scenario of ATM

- When to used Usablity Testing?

- What is the procedure for GUI Testing?

- Write a scenario of Microwave Owen

- Write a scenario of Coffee vending Machine

- Write a scenario of chair

- To Create Scenario (Positive & Negative)
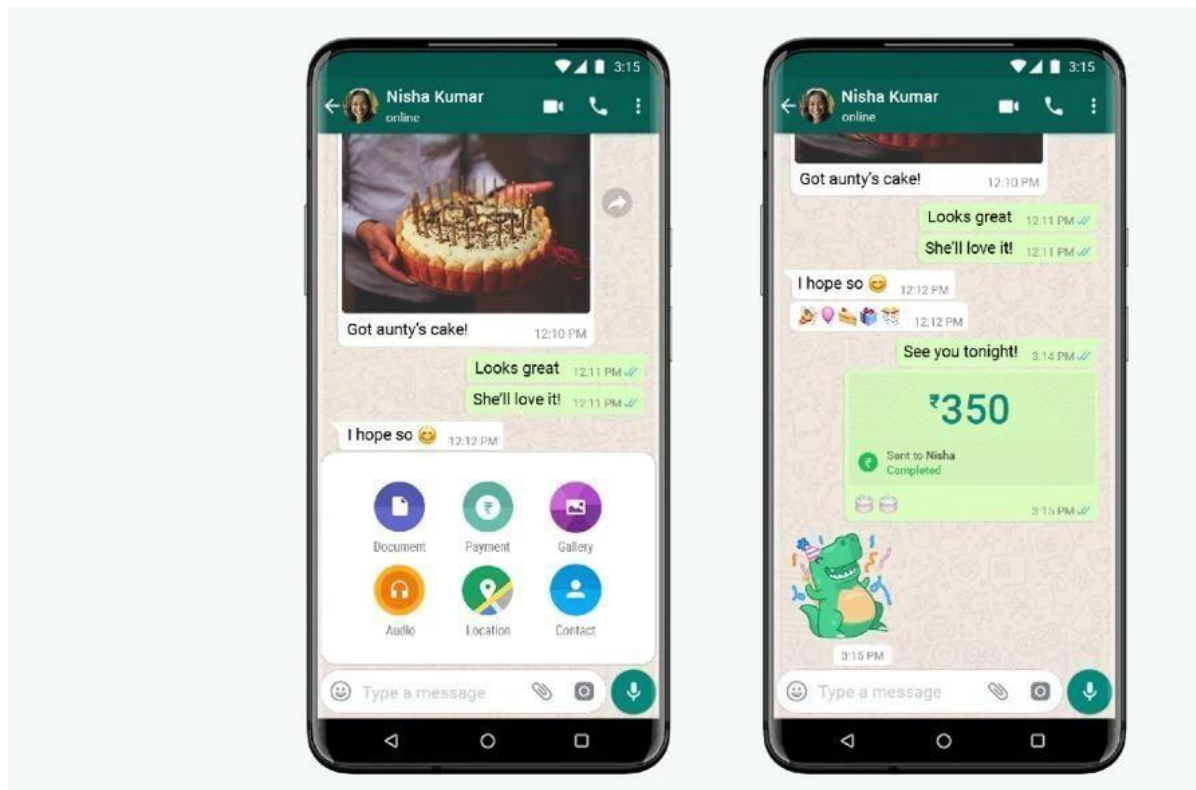
2. Gmail (Receiving mail)

2. Online shopping to buy product (flipkart)

- Write a Scenario of Wrist Watch

- Write a Scenario of Lift(Elevator)

- Write a Scenario of whatsapp Group (generate group)

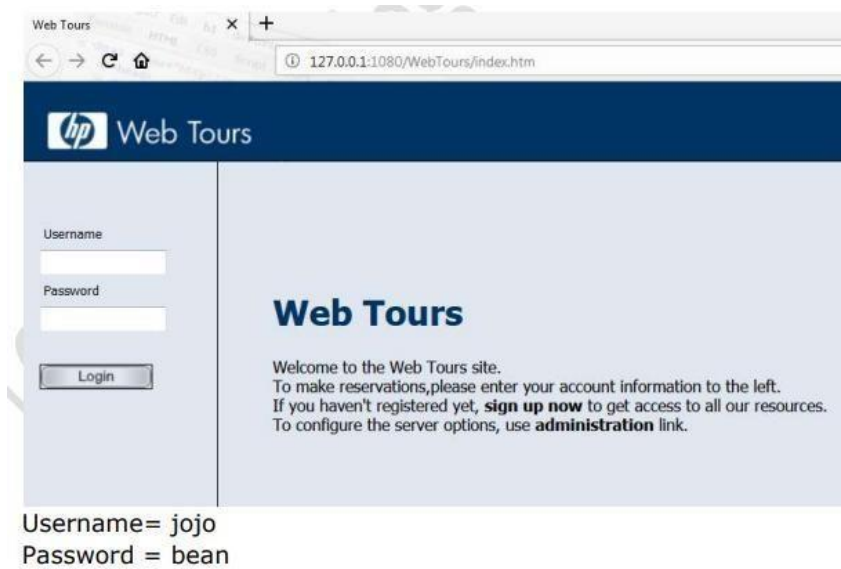- Write a Scenario of Whatsapp payment

Module 3 (Testing on Live Application)

- What is RDBMS

- What is SQL

- Write SQL Commands

- What is join?

- Write type of joins.

- How Many constraint and describes it self

- Difference between RDBMS vs DBMS

- What is API Testing

- Types of API Testing

- What is Responsive Testing?

- Which types of tools are available for Responsive Testing

- What is the full form of .ipa, .apk

- How to create step for to open the developer option mode ON?

- To check

Module-4 Automation Core Testing (Load Runner Up and Selenium IDE)

- Which components have you used in Load Runner?

- How can you set the number of Vusers in Load Runner?

- What is Correlation?

- What is the process for developing a Vuser Script?

- How Load Runner interacts with the application?

- How many VUsers are required for load testing?

- What is the relationship between Response Time and Throughput?

- To test the Performance testing on "Tops Technologies website" :-
  https://www.saucedemo.com/

    1. to Record all top level menu

    2. to Record minimum 10 Vuser on this website

    3. save all (Script,Design,Graph)

- create a normal script of above website with correlate using hp default website.

Username= jojo
Password = bean

Selenium IDE)

- What is Automation Testing?

- Which Are The Browsers Supported By Selenium Ide?

- What are the benefits of Automation Testing?

- What are the advantages of Selenium?

- Why testers should opt for Selenium and not QTP?

- To validate the tops technologies website Contact us page and enter your friend detail at last "Login and sidemenu" https://www.saucedemo.com/