A PROJECT REPORTED ON

" **DESIGN TEST CASES FOR**

www.flipkart.com   "

Submitted to

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI.

By the students of Third Year Diploma in Computer Technology"

Names of Student	Roll No

UNDER THE GUIDANCE OF

Certificate

This is certify that

Of third year Computer Technology students have submitted their micro project report on

"   DESIGN TEST CASES FOR

www.flipkart.com   "

Names of Student	Roll No

During academic session 2022-23 as a part of micro project work

Described by Government Polytechnic, Ahmednagar for partial

fulfilment of the third year Diploma in Computer Technology in fifth

semester

PROJECT GUIDE   HOD   PRINCIPAL

DESIGN TEST CASES FOR www.flipkart.com

1. RATIONALE: -

The purpose of a test case is to determine if different features within a system are performing as expected and to confirm that the system satisfies all related standards, guidelines, and customer requirements. The process of writing a test case can also help reveal errors or defects within the system.

Test cases define what must be done to test a system, including the steps executed in the system, the input data values that are entered into the system and the results that are expected throughout test case execution. Using test cases allows developers and testers to discover errors that may have occurred during development or defects that were missed during ad hoc tests.

Overall, writing and using test cases will lead to business optimization. Clients are more satisfied, customer retention increases, the costs of customer service and fixing products decreases, and more reliable products are produced, which improves the company's reputation and brand image

2. AIMS/BENEFITS OF MICRO-PROJECT: -

1) Guaranteed good test coverage.
2) Reduced maintenance and software support costs.
3) Confirmation that the software satisfies end-user requirements.
4) Improved quality of software and user experience.
5) Higher quality products lead to more satisfied customer.
6) More satisfied customers will increase company profits.

3. COURSE OUTCOMES ACHIEVED: -

1) Applied various software testing methods to find defects.
2) Identify bugs to create defect report of given application.

4. ACTUAL METHODOLOGY FOLLOWED: -

a) Format of Test Case –

Nowadays, Website are being more popular. So, while searching for topics, we got an idea about preparing test cases for website. And then we decided to select www.flipkart.com website for test cases.

b) Collecting information –

After selecting topic, we started to collect information about how www.flipkart.com and website works. Also, we have gone through some website (amazon, puma, croma) to check their functionality and working. Also visited www.flipkart.com official website to look for some additional information.

After this we started to collect information about what are test cases and what are the uses of test cases. In this stage we collected information about the format of test case table.

Test case can be defined as:

a) a case that sets a precedent for other cases involving the same question of law.
b) an event, action, etc. that may serve as a guide to the likely outcome of subsequent similar situations.

Test case can be written as follows:

Test case id	Test Case	Precondition	Test Data	Steps To Execute/ Inputs	Expected Results	Actual result	Status
1	Condition to be tested. (Ex. Test if user can complete authentication successfully)	Conditions for the test case: (Ex. Active internet connection and valid authentication data.)	Data to enter while testing (Ex. Mobile, OTP.)	Step wise execution of condition.	Result which is expected.	Actual result after testing.	Pass/fail as if the expected result and the actual result is same.

c) Testing the application –

This is a step where we started reviewing the website. For this purpose, we visited official website to try wrong inputs to perform negative testing, we further processed to reviewing other functionalities such as taking login, payment method etc.

d) Planning methodology –

After reviewing the web - application, we started planning for preparing test cases for website based on the reviews we had. While reviewing the website we observed each functionality and noted for purpose of preparing test cases.

e) Preparing test cases –

Here we started preparing test cases based on our review of the website and data available with us. So, we started creating test case report for this www.flipkart.com website.

To prepare test case report/table we defined some condition so we can create report accordingly. Test conditions are as follows:

Condition 1: Test if user can load site in less time.

For this condition the Website should have a proper internet connection and then we successfully visited the website.

Responsibility: -

Result: Pass

Condition 2: Correct and valid username should be registered on flipkart

The condition 1 was tested, so we tested the register page of the website

We got the result.

Responsibility: -

Result: Pass

Condition 3: Correct Username and valid password must be validated and verified on flipkart site.

In the condition we checked the login page of the website to validate successful login

Responsibility: -

Result: Pass

Condition 4: Test if the site homepage opens or not.

Later we tested the homepage of the website

Responsibility: -

Result: Fail

Condition 5: To search the product.

Later we tested that the search facility of website by searching various products.
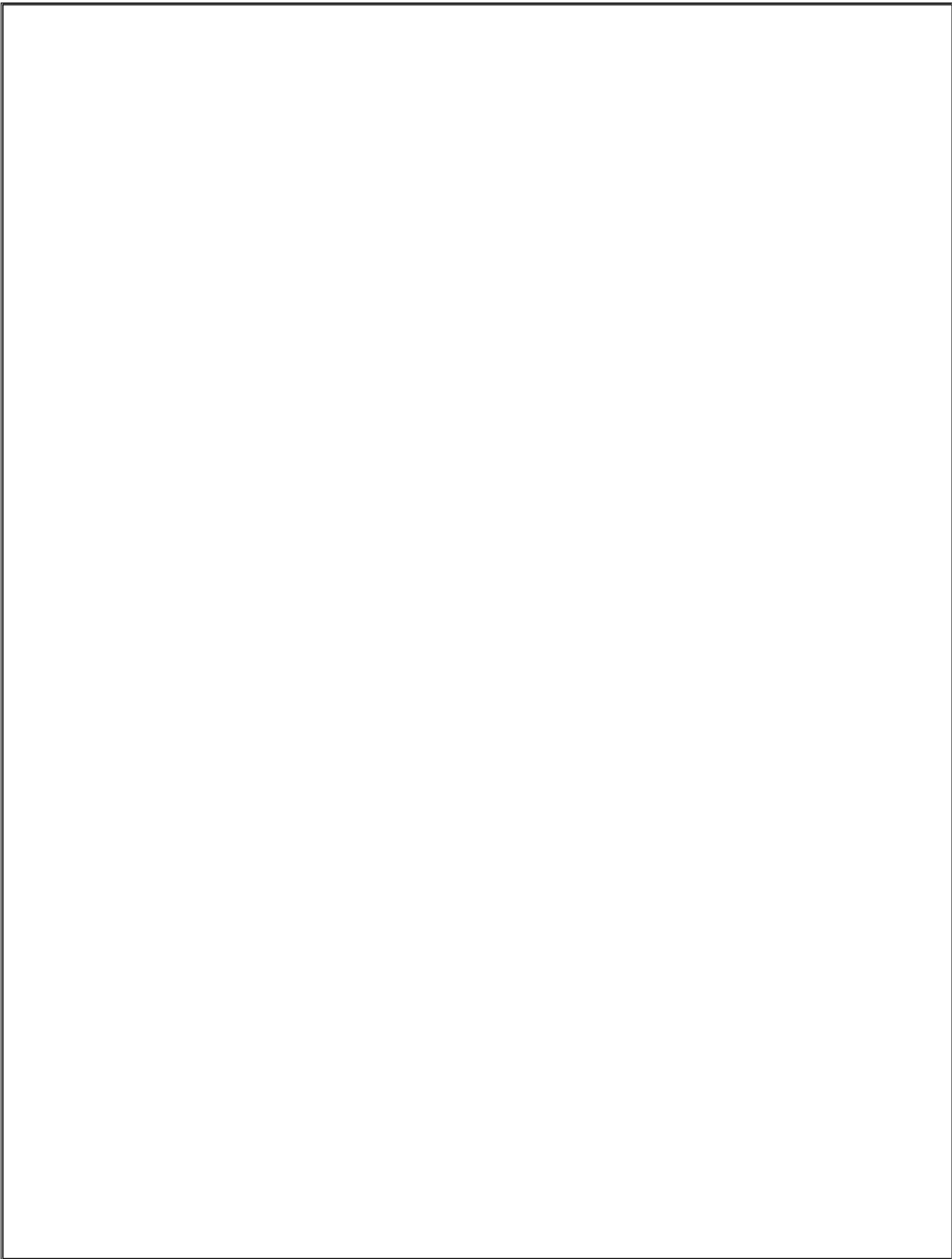
Responsibility: -

Result: Pass

Condition 6: Search for the product.

In this condition we are carried out search of a specific product.
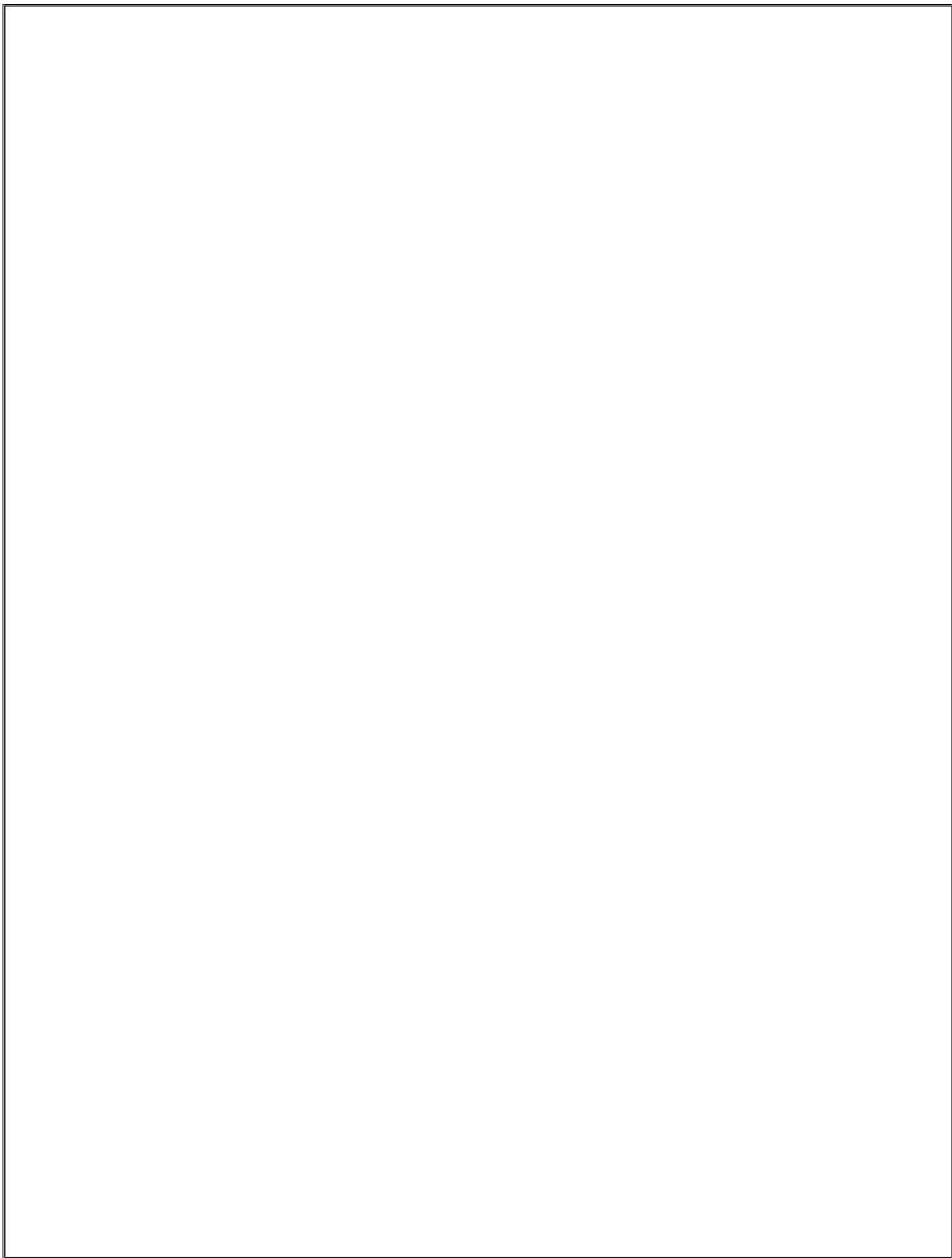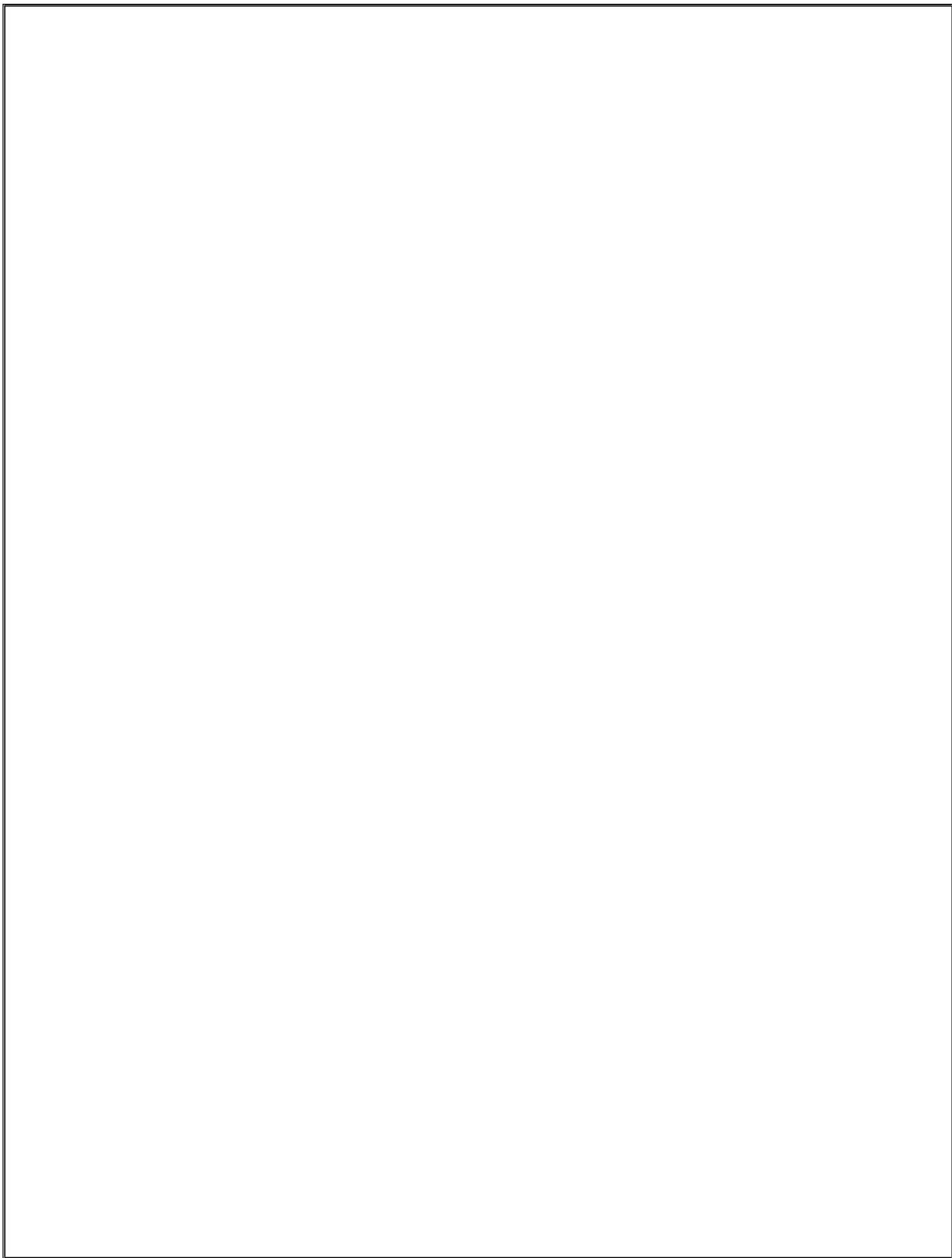
Responsibility: Everyone

Result: Fail

	Test Case							
2	TC-2	User name	correct and valid user name should be registered on flipkart	Type correct and valid username	Username given by flipkart	Should enter valid the user name	Goes to next page if user id and pass word verified and valid	Test to pass
3	TC-3	Password	correct and valid password should be validate and verified on flipkart site	Type correct and valid password	Password selected by user and validated by flipkart	Should enter valid pass word	Goes to next page if user id and password verified and validated	Test to pass
4	TC-4	To check whether site home page opens or not	To display flipkart home page website on screen	Type site proper address as www.flipkart.com	www.flipkart.com	Site home page display should display on screen	Home page displayed	Test to fail
5	TC-5	To search the product	Search the product	Click on product link	Mouse rollover and click	Shall display availability of product	Show availability of product	Test to pass

| 6 | TC-6 | Product details | Product shall be available on site | Click on product link | Mouse rollover and click | Shall display product details | displays product details of other product | Test to fail |

Then we prepare Testcases on our Project:

Test case	Prepare by
1.Test if user can load site in less time.	Om Andhale
2. Correct and valid username should be registered on flipkart	Sakshi Pathare
3. Correct Username and valid password must be validated and verified on flipkart site.	Nilakshi Sonawane
4. Test if the site homepage opens or not.	Radhika Palsapure
5. To search the product	Renuka Patil
6. Search for the product.	Everyone

5. ACTUAL RESOURCES USED:

Sr.No	Name of resources	Qty	Specification	Remark
1.	Operating System	1	Windows 11	
2.	Microsoft Word	1	Office 2020	
3.	Search Engine	1	Google	

6. Skill Developed/learning out of this Micro-Project:

a. Increasing knowledge about Test Cases.

b. Enhanced knowledge of Software Engineering.

c. Increased searching skills.

d. Enhanced presenting skills.

e. Increased editing skills.

f. Keep an accurate and Comprehensive Record.

g. Enhanced Designing skills.