ANNA UNIVERSITY REGIONAL CAMPUS - TIRUNELVELI TIRUNELVELI - 627007.



BONAFIDE CERTIFICATE

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Semester	3		
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Submitted for th	e Practical Examination held on		
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Develop the test plan for testing an e-commerce web/mobile application (www.amazon.in)

AIM

To develop the test plan for testing an e-commerce web / mobile application (www.amazon.in).

Test Plan: www.amazon.in E-commerce Application

1. Introduction

- •Purpose: To ensure the quality, reliability, and performance of the www.amazon.in e-commerce web and mobile application.
 - •Scope: This test plan covers both web and mobile versions of the application.

•Testing Objectives:

- •Validate the functionality of the application.
- •Ensure usability and user experience.
- •Evaluate security and performance.
- •Verify compatibility with various browsers and mobile devices.
- •References: Requirements document, design specifications, user stories.

2. Test Strategy

•**Testing Approach:** A comprehensive testing approach combining functional and non-functional testing.

•Test Environment:

- •Web: Latest versions of Chrome, Firefox, Safari, and Edge on Windows and macOS.
- •Mobile: iOS (latest) and Android (latest) devices.

•Test Data:

- •For user accounts: A set of predefined test accounts with various roles (admin, customer).
 - •For products: A variety of sample products for testing.

3. Test Phases

- •Unit Testing: Test individual components and functions within the application.
- •Integration Testing: Test the integration of components and modules.
- •System Testing: Test the complete system to ensure it meets all requirements.
- •User Acceptance Testing (UAT): Involve end-users to validate usability and functionality.

4. Test Scenarios

•List of Test Scenarios:

- •User registration and authentication.
- •Product searching and browsing.
- •Adding/removing items from the shopping cart.
- •Payment processing.
- Order tracking and history.
- •User reviews and ratings.
- •Mobile-specific features (e.g., push notifications).

Test Cases

•Detailed test cases for each scenario:

- Test ID.
- Description.
- Precondition.
- •Steps to Reproduce.
- •Expected Results.
- Actual Results.
- Pass/Fail status.

6. Test Execution

•Test execution approach:

- •Manual testing for functional and usability testing.
- Automation for regression testing.
- •Testing schedule.
- Test environments.
- •Roles and responsibilities of the testing team members.

7. Defect Management

- •Defect tracking tool: Use JIRA.
- Defect reporting and documentation process.
- •Defect prioritization and severity criteria.

8. Test Deliverables

•List of documents and artifacts:

- Test plan.
- Test cases.
- Test reports.

- Defect logs.
- 9. Risk Assessment

•Identify potential risks:

- Data security.
- ·Scalability issues.
- •Usability challenges.
- •Mitigation strategies for identified risks.

10. Schedule

Preparation (1 week)

- •Develop test plan and cases.
- •Set up environments.

Testing (5 weeks)

- •Unit, Integration, System.
- •UAT (2 weeks).

Automation (2 weeks)

Closure (1 week)

Documentation and approvals.

11. Exit Criteria

Conditions to conclude testing:

- •95% of test cases passed.
- •All critical defects resolved.

12. Approvals

•Stakeholders for test plan review and approval: Project Manager, Development Lead, QA Lead.

RESULT:

Thus the test plan for testing an e-commerce web / mobile application was developed successfully.

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D	a	te):		

Design the test cases for testing the E-Commerce Application

AIM

To design test case for testing the E-Commerce application

TEST CASE

- Home page
- Search Functionality
- Product Details
- Cart Page
- Checkout, Payment Page
- My Order Page
- Customer Service Page

HOME PAGE

Test	Module	Test	Test Case	Pre-requisites	Test Data	Step	Test Step	Expected Result	Actual Result
Case ID Name	Name	Scenario				No.			
TC001	Home	Verify the	Verify the Verify that	Browser should	Username-	1	Open browser	Browser should be opened	Browser is opened
	Page	details on	home page	be installed	Username	7	Open url	Ecommerce website should	Ecommerce website is
		Home	is	Internet	Password-			be opened	opened
		page	displayed	connection	password	۲	Fnterilcername	sershalld be able to innit	Able to inglituserpame
			after login	should be)			and password
			or not.	present		4	Click on login	Home page should be	Home page displayed
							button	displayed after login	after login
TC002	Home	Verify the	Verify the Verify that	Browser should		1	Open browser	Browser should be opened	Browser is opened
	Page	details on	username	be installed		2	Open url	Ecommerce website should	Ecommerce website is
		Home	is	Internet				be opened	opened
		page	displayed	connection		8	Enter username	user should be able to input	Able to input username
			on home	should be			and password	username and password	and password
			page or not present	present		4	Click on login	Home page should be	Username displayed on
				User should be			button	displayed after login and	home page after login
				logged in				user name should be	
TC003	Home	Verify the	Verify the Verify that	Browser should		1	Open browser	Browser should be opened	Browser is opened
	Page	details on	featured	be installed		7	Open url	Ecommerce website should	Ecommerce website is
		Home	products	Internet				be opened	opened
		page	are	connection		8	Enter username	user should be able to input	Able to input username
			displayed	should be			and password	username and password	and password
			on home	present		4	Click on login	Home page should be	Username displayed on
			page	User should be			button	displayed after login and	home page after login
				logged in				user name should be	
TC004	Home	Verify the	Verify that	Browser should		1	Open browser	Browser should be opened	Browser is opened
	Page	details on		be installed		2	Open url	Ecommerce website should	Ecommerce website is
		Home	Functionali Internet	Internet				be opened	opened
		page	ty is	connection		n	Enter username	user should be able to input	Able to input username
			present on	should be			and password	username and password	and password
			home	present		4	Click on login	User should be logged in and	Search functionality is
			page.	User should be			button	Search functionality is	present on home page
				logged in				present on home page.	

TC005	Home	Verify the	Verify the Verify the	Browser should	1	Open browser	Browser should be opened	Browser is opened
	Page	details on	home page	be installed				
		Home	of	Internet	2	Open url	Ecommerce website should	Ecommerce website is
		page	application	application connection			be opened	opened
			on	should be	8	Enter username	user should be able to input	Able to input username
			different	present		and password	username and password	and password
			browsers.	User should be	4	Click on login	User should be logged in and	Home page is same on
				logged in		button	home page should be same	different browsers.
							on different browsers.	
TC006	Home	Verify the	Verify the Verify the	Browser should	1	Open browser	Browser should be opened	Browser is opened
	Page	details on	alignment	be installed				
		Home	on the	Internet	2	Open url	Ecommerce website should	Ecommerce website is
		page	home page	connection			be opened	opened
				should be	ന	Enter username	user should be able to input	Able to input username
				present		and password	username and password	and password
				User should be	4	Click on login	User should be logged in and	lignment of products
				logged in		button	alignment of products on	on home page is
							home page should be	proper.
TC007	Home	Verify the	Verify the Verify that		Н	Open browser	Browser should be opened	Browser is opened
	Раве	details on	products	De Installed				
		Home	displayed	Internet	2	Open url	Ecommerce website should	Ecommerce website is
		page	on home	connection			be opened	opened
			page are	should be	8	Enter username	user should be able to input	Able to input username
			clickable.	present		and password	username and password	and password
				User should be	4	Click on login	Home page should be	user name is displayed
				logged in		button	displayed after login and	on home page
							user name should be	
					2	Click on any	User should be redirected to	User is redirected to
						product	product specification page.	product specification
						displayed on		page.

EARCH FUNCTIONALITY

Test	Module	Module Test Scenario Test Case		Pre-	Test Data	Step 1	Step Test Step	Expected Result	Actual Result
Case	Name			requisites		No.			
TC001	Product	TC001 Product Verify the	Verify that	Browser	Username- 1	1 (Open browser	Browser should be opened	Browser is opened
	Search	product	search field	should be	Username 2	2 (Open url	Ecommerce website should be	Ecommerce website is
		search		installed	Password-			opened	opened
		functionality alphabets,		Internet	password	3 E	Enter username	user should be able to input	Username and
			ō	connection		10	and password	username and password	password are given
			symbols.	should be					
				present	7	4 (Click on login	Home page should be	Home page displayed
				user		<u>~</u>	button	displayed after login	after login
				logged in	<u> </u>	2 (Click on search	Search field should accepts	Search field accepts
				1088ca		<u>+</u>	field.	alphabets, numbers or	alphabets, numbers
								symbols.	symbols.
TC002	Product	TC002 Product Verify the	Verify that	Browser	, 7	1 (Open browser	Browser should be opened	Browser is opened
	Search	product	after	should be		7	Open url	Ecommerce website should be	Ecommerce website is
		search	entering	installed				opened	opened
		functionality search text	search text	Internet	(1)	3	Enter username	user should be able to input	Username and
			and clicking	connection		10	and password	username and password	password are given as
			on search	should be					input.
			icon, the	present	7	4	Click on login	Home page should be	User name is displayed
			search	User			button	displayed after login and user	on home page.
			should be	should be				name should be displayed on	
			performed.	loggedin				home page	
					<u>.</u> ,	5	Enter search text	Enter search text Search should be performed	Search is performed
						<u>. </u>	in search field	according to search text	according to search
						.0	and click on	provided by user.	text.
						S	search icon.		

TC003	Product	TC003 Product Verify the	Verify that	Browser	⊣	Open browser	Browser should be opened	Browser is opened
	Search	product	the search	should be	2	Open url	Ecommerce website should be	Ecommerce website is
		search	results	installed			opened	opened
		functionality	functionality should be as Internet	Internet	က	Enter username and	user should be able to input	Username and
			perthe	connection		password	username and password	password are given
			search	should be				
			query.	present	4	Click on login button	Home page should be displayed	user name is displayed
				User			after login and user name should	on home page
				should be			be displayed on home page	
				logged in	2	Enter search text in	Search should be performed	Search is performed
						search field and click	according to search text provided	according to search
						on search icon.	by user.	text provided.
TC004	TC004 Product	Verify the	Verify that	Browser	П	Open browser	Browser should be opened	Browser is opened
	Search	product	user should should be	should be	7	Open url	Ecommerce website should be	Ecommerce website is
		search	be able to	installed			opened	opened
		functionality search	search	Internet	3	Enter username and	user should be able to input	Username and
			based on	connection		password	username and password	password are given .
			product	should be	4	Click on login button	User should be logged in and	Search functionality is
			name,brand present	present			Search functionality is present on	present on home page
			name or	User			home page.	
			product	should be	2	Enter search text in	User should be able to perform	Can search based on
			specificatio	logged in		search field and click	search bases on product name,	product name, brand
			n.			on search icon.	brand name or product	name, product
							specification.	specification.

TC005	Product Search	TC005 Product Verify the Search product	Verify that Browser filter should should be	Browser should be		Open browser	Browser should be opened	Browser is opened
		search	be present	installed	7	Open url	Ecommerce website should be	Ecommerce website is
		functionality for filtering		Internet			opened	opened
			the search	connection	n	Enter username and	user should be able to input	Username and
			results	should be		password	username and password	password are given
			bases on	present				
			Brand, Price, User	User	4	Click on login button	User should be logged in and	Home page displayed
			Reviews or	should be			home page should be same on	after login
			Ratings.	logged in			different browsers.	
					2	Enter search text in	Search should be performed	Filters are present to
						search field and click	according to search text provided	perform search.
						on search icon.	by user and filters should be	
							present.	
TC006	TC006 Product	Verify the	Verify that	Browser	1	Open browser	Browser should be opened	Browser is opened
	Search	product	sorting	should be	7	Open url	Ecommerce website should be	Ecommerce website is
		search	options	installed			opened	opened
		functionality should be	should be	Internet				
			present on	connection	n	Enter username and	user should be able to input	Username and
			search	should be		password	username and password	password are given as
			results	present				input.
			page.	User	4	Click on login button	User should be logged in and	Alignment of products
				should be			alignment of products on home	on home page are
				logged in			page should be proper.	proper.
					2	Enter search text in	Search should be performed	Sorting options is
						search field and click	according to search text provided	present on search
						on search icon.	by user and sorting options should	results page.
							be present on search results page.	

CUSTOMER SERVICE PAGE

TC009	Product	TC009 Product Verify the	Verify that	Browser	1	Open browser	Browser should be opened	Browser is opened
	Search	product	user should	should be	2	Open url	Ecommerce website should be	Ecommerce website is
		search	be perform	installed			opened	opened
		functionality	search in	Internet	3	Enter username and	user should be able to input	Username and password
			different	connection		password	username and password	are given
			categories for should be	should be	4	Click on login button	Home page should be displayed after Home page displayed	Home page displayed
			example,	present			login and user name should be	after login
			Movies,	User should			displayed on home page	
			Books,	be logged in	2	Enter search text in	Search should be performed in	Search can be performed
			Grocery etc.			search field and click on	search field and click on different categories such as movies,	in different categories.
						search icon.	books, grocery etc.	

Actual Result		Browser is opened	Ecommerce website is	opened	Jsername and password	are given	Home page is displayed		Customer care page is	displayed.	Browser is opened	Ecommerce website is	opened	Jsername and password	are given as input.	Jser name should is on	home page.		Different modes of	customer service is	displayed.
Expected Result		Browser should be opened	Ecommerce website should be opened)	user should be able to input username and Username and password	password	Home page should be displayed after login Home page is displayed		Customer care page should be displayed.		Browser should be opened	Ecommerce website should be opened		user should be able to input username and Username and password	password	Home page should be displayed after login Username should is on	and user name should be displayed on	home page	Customer care page is displayed with	different modes of customer service such	as Email,chat or call.
Step Test Step No.		Open browser	Open url		Enter username and	password	Click on login button		Click on contact	customer care button.	Open browser	Open url		Enter username and	password	Click on login button			Click on contact	customer care button.	
Step No.		1	2		3		4		2		1	2		3		4			5		
Test Data		Username-	Username	Password-	password																
Pre- requisites		Browser	should be	installed	Internet	connection	should be	present			Browser	should be	installed	Internet	connection	should be	present	User should	be logged in		
Test Case		TC001 Customer Verify the Verify that			options	should be	present on	the	website.		Customer Verify the Verify that		Customer modes of	customer	service	such as	Email, Chat present	or Call	should be	mentioned.	
Test Scenario		Verify the	details on customer	Customer service	Service	Page					Verify the	details on different	Customer	Service	Page						
Module Name		Customer	Service	Page							Customer	Service	Page								
Test	₽	TC001									TC002										

TC003	Customer Verify the	Verify the	Verify that	Browser	П	Open browser	Browser should be opened	Browser is opened
	Service	details on	waiting	should be	2	Open url	Ecommerce website should be opened	Ecommerce website is
	Page	Customer	time to	installed				opened
		Service	connect to	Internet	3	Enter username and	user should be able to input username and Username and password	Username and password
		Page	customer	connection		password	password	are given
			service	should be	4	Click on login button	Home page should be displayed after login User name is displayed on	User name is displayed on
			shold be	present			and user name should be displayed on	home page
			displayed	User should			home page	
			to user.	be logged in	<u>υ</u>	Click on contact	Customer care page is displayed with	Different modes of
						customer care button.	different modes of customer service such	customer service are
							as Email,chat or call.	displayed.
					9	Select any mode of	Waiting time is displayed for that customer Waiting time is displayed.	Waiting time is displayed.
						customer service.	service.	
TC004	Customer	Verify the	Verify that	Browser	1	Open browser	Browser should be opened	Browser is opened
	Service	details on	customer	should be	2	Open url	Ecommerce website should be opened	Ecommerce website is
	Page	Customer	service	installed				opened
		Service	should be	Internet				
		Page	available in	connection	m M	Enter username and	user should be able to input username and	Username and password
			different	should be		password	password	are given as input.
			languages.	present	4	Click on login button	User should be logged in and Search	Search functionality is
				User should			functionality is present on home page.	present on home page.
				be logged in				
					2	Click on contact	Customer care page is displayed with	Different available
						customer care button.	different available languages.	languages is displayed.
L					,	-	-	
5002	Customer	уепту тпе	verity that	Browser		Open prowser	Browser snould be opened	Browser is opened
	Service	details on	the timings	should be	2	Open url	Ecommerce website should be opened	Ecommerce website is
	ר ממ ח	Custollier	ח כתאנסווובן ווואנשוובת	וואנשוועם				nallado
		Service	service	Internet	<u>e</u>	Enter username and	user should be able to input username and	Username and password
		Page	option	connection		password	password	are given
			should be	should be	4	Click on login button	User should be logged in and home page	Home page should be
			displayed	present			should be same on different browsers.	same on different
			to user.	User should				browsers.
				be logged in	Ŋ	Click on contact	Customer care page is displayed with	Timings of different
						customer care button.	timings of different modes of customer	modes of customer care is
							care.	displayed.

DECLU T
RESULT
Thus the test case for testing E commerce application was designed successfully
Thus the test case for testing E-commerce application was designed successfully.

EX NO: 3 DATE: TECT THE E COMMERCE ARRIVED AND REPORT THE REFECT IN IT.
TEST THE E-COMMERCE APPLICATION AND REPORT THE DEFECTS IN IT
AIM:
To test the e-commerce application and report the defects in it.
Test cases:
 Product page Cart page Checkouts, payments page. My orders page

PRODUCT DETAILS PAGE

Status	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed
Actual Result	Browser is opened	e is opened	user is able to input username and password	Homepage is displyed after login.	the images of the product are dispalyed correctly.	Browser is opened	e is opened	user is able to input username and password		The price of product is displayed	Browser is opened	Ecommerce website is opened	user is able to input username and password			Browser is opened		user is able to input username and password	user is logged in and search functionality is present on homepage.	Product specification is displayed.
Expected Result	Browser should be opened	Ecommerce website should be opened	user should be able to input username and password	Home page should be displayed after login	the images of product should be displayed correctly.	Browser should be opened	Ecommerce website should be opened	user should be able to input username and password	Home page should be displayed after login and user Homepage is displyed after login. name should be displayed on home page	The price of product should be displayed.	Browser should be opened	Ecommerce website should be opened	user should be able to input username and password	Home page should be displayed after login and user Homepage is displyed after login.	The reviews about the product should be displayed. Reviews about the product are displayed.	Browser should be opened	Ecommerce website should be opened	user should be able to input username and password	User should be logged in and Search functionality is present on home page.	Product specifications should be displayed.
Test Step E	Open browser B	Open url Er	Enter username and u	Click on login button H	Click on a product the image displayed on home page. correctly.	Open browser B		Enter username and u	Click on login button	Click on a product displayed on home page.	Open browser B		Enter username and u	Click on login button n	Click on a product displayed on home page.	Open browser B	Open url Ec	Enter username and u	Click on login button U	Click on a product displayed on home page.
Step 7	5		3	4	2	1		3	4	5	11		8	4	5	1	2 (es	4	5
Test Case	ername-	Jsername Password-	•										•		•					
Test Case ID T	Browser should be U		on should p			Browser should be	installed Internet	connection should be present User should be	logged in		Browser should be	installed Internet	connection should be present User should be	logged in		Browser should be installed	Internet	connection should be present	User should be logged in	
Test Case ID	Verify that images of	product are displayed correctly.				Verify that price of	product is displayed.				Verify that product	reviews are mentioned.				Verify that product specifications are	displayed.			
Test Case ID	Verify the details					Verify the details	41				Verify the details	on Product Specification page				Verify the details on Product	Specification page			
ID Test Case ID	Product	Details				Product	Details				Product	Details				Product Details				
Test Case ID	TC001					TC002					TC003					TC004				

Passed	Passed	Passed	Passed	Passed		Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed
Browser is opened	Ecommerce website is opened	user is able to input username and password	user is logged in and homepage is same on different browsers.	stock information is displayed.		Browser is opened	Ecommerce website is opened	user is able to input username and password	user is logged in and alignment of products is proper.	seller ratings are displayed.	Browser is opened	Ecommerce website is opened	user is able to input username and password		user is redirected to product specification page.	All variations of the products are displayed.
Browser should be opened	Ecommerce website should be opened	user should be able to input username and password	User should be logged in and home page should be same on different browsers.	Stock information should be displayed.		Browser should be opened	Ecommerce website should be opened	user should be able to input username and password	User should be logged in and alignment of products on home page should be proper.	The seller ratings should be displayed.	Browser should be opened	Ecommerce website should be opened	user should be able to input username and password	Home page should be displayed after login and user Homepage is displyed after login. name should be displayed on home page	User should be redirected to product specification page.	All the variations of product should be displayed.
Open browser	Open url	Enter use mame and password	gin button	Click on a product	displayed on home page.	Open browser	Open url	Enter username and password	Click on login button	Click on a product displayed on home page.	Open browser	Open url	Enter username and password	Click on login button	Click on any product displayed on home page	Click on a product displayed on home page.
₩	2	8	4	2		1	2	က	4	īv		7	œ.	4	ιΩ	9
Browser should be installed	Internet	connection should be present	User should be logged in	}		Browser should be installed	Internet	connection should be present	User should be logged in		Browser should be installed	Internet	connection should be present	User should be logged in		
Verify that information Browser should be about IN-Stock/Out- installed	Stock are displayed.					Verify that seller ratings should be					Verify that all the					
Verify the details on Product	Specification page					Verify the details on Product	Specification page				Verify the details	Specification page				
Product Details						Product Details					Product Details					
TC005						TC006					TC007					

CART PAGE

ame Test Scenario		Test Case Pre-requis	Pre-requis	ites	Test Data	Step No	o. Test Step	Expected Result	Actual Result	Status
Cart Page Verify the details Verify that when Browser should be Username- 1 Open	Verify that when Browser should be Username-	Verify that when Browser should be Username-	Username-	Username-	1 Ope	Ope	Open browser	Browser should be opened	Browser is opened	passed
on Cart Page user clicks on installed Username 2 Open url	user dicks on installed Username 2	installed Username 2	Username 2	2	2 Open ur	Open ur		Ecommerce website should be opened	Ecommerce website is opened.	passed
add to cart, the Internet Password- 3 Enter use	Internet Password- 3	Internet Password- 3	Password- 3	33		Enter use	Enter username and password	user should be able to input username and password	user is able to input username and password	passed
product should connection should password 4 Click on lo	connection should password 4	connection should password 4	4	4		Click on lo	Click on login button	Home page should be displayed after login	Home page is displayed after login	passed
be added to cart. be present 5 Click on any pr	be present 5	be present 5	be present 5			Click on any	Click on any product displayed	The product page should be displayed.	The product page is displayed.	passed
6 Click on ad						Click on add	Click on add to cart for the	The product should be added to cart.	The product is added to cart.	passed
product.	product.	product.	product.	product.	product.	product.				
Cart Page Verify the details Verify that user Browser should be 1 Open browser	Browser should be	Browser should be	1			Open brows	ser	Browser should be opened	Browser is opened	passed
on Cart Page should be able to installed 2 Open url	should be able to installed	2	2			Open url		Ecommerce website should be opened	Ecommerce website is opened.	passed
continue Internet 3 Enter usern	Internet 3	Internet 3	3			Enter usern	Enter username and password	user should be able to input username and password	user is able to input username and password	passed
	connection should 4	connection should 4	4			Click on logi	n button	Home page should be displayed after login and user	Home page is displayed after login	passed
adding items to be present			be present					name should be displayed on home page		
ld be	User should be 5	User should be 5	ld be			Click on any I	product displayed	Click on any product displayed The product page should be displayed.	The product page is displayed.	passed
logged in on home page				on home pag	on home pag	on home pag	3e			
Click on add						Click on add	Click on add to cart for the	The product should be added to cart and user can	The product is added to cart and user can	passed
product.	product.	product.	product.	product.	product.	product.		continue shopping.	continue shopping.	
Cart Page Verify the details Verify that item Browser should be 1 Open browser	Browser should be 1	Browser should be 1	1			Open browse	er	Browser should be opened	Browser is opened	passed
on Cart Page quantity should installed 2 Open url	quantity should installed 2	installed 2	2	2 Open url	2 Open url	Open url		Ecommerce website should be opened	user is able to input username and password	passed
be increased if Internet 3 Enter userna	Internet 3	Internet 3	3	3 Enter usernal	3 Enter userna	Enter usernal	Enter username and password	user should be able to input username and password	Home page is displayed after login	passed
user adds same connection should 4 Click on login button	connection should	connection should	4	4 Click on logir	4 Click on logir	Click on logir	ı button	Home page should be displayed after login and user	Home page is displayed after login and user name passed	passed
item in cart be present	_	_	be present					name should be displayed on home page	is displayed on home page	
again. User should be 5 Click on any pr logged in on home page	User should be 5	User should be 5	ld be	5 Click on any on home pag	5 Click on any	Click on any	Click on any product displayed on home page	The product page should be displayed.	The product page is displayed.	passed
ω	ω	ω	ω			Click on add	Click on add to cart for the product.	The product should be added to cart.	The product is added to cart.	passed
7 Click on add	7 Click on add	7 Click on add	7 Click on add	7 Click on add	7 Click on add	Click on add	Click on add to cart again for	The item quantity should be increases.	The item quantity is increases.	passed
the same product	the same pro	the same pro	the same pro	the same pro	the same pro	the same pro	oduct.			
Cart Page Verify the details Verify that total Browser should be 1 Open browser on Cart Page amount of all installed	Verify that total Browser should be amount of all installed	Verify that total Browser should be amount of all installed	Н			Open brows	er	Browser should be opened	Browser is opened	passed
items should be Internet 2 Open url	Internet 2	Internet 2	2	2 Open url	2 Open url	Open url		Ecommerce website should be opened	Ecommerce website is opened.	passed
displayed to connection should 3 Enter usern:	connection should 3	connection should 3	3			Enter userna	Enter username and password	user should be able to input username and password	user is able to input username and password	passed
be present 4	be present 4	be present 4	4			Click on logi	n button	User should be logged in and Search functionality is	User is logged in and Search functionality is	passed
User should be	User should be	User should be	User should be					present on home page.	present on home page.	
logged in S Click on any	2	2	2			Click on any	Click on any product displayed	The product page should be displayed.	The product page is displayed.	passed
on home page	on home pa	on home po	on home pa	on home pa	on home pa	on home pa	age .			
6 Click on ad product.						Click on ad product.	Click on add to cart for the product.	The product should be added to cart.	The product is added to cart.	passed
7 Click on got	7 Click on got	7 Click on got	7 Click on go	7 Click on got	7 Click on got	Click on go t	Click on go to cart button.	The total amount of all items in cart should be	The total amount of all items in cart is displayed.	passed
								aispiayed.		

passed	passed	passed	passed	-	passed	passed	-	passed	passed		passed	passed	passed		passed		passed		passed		passed	passed	passed		e. passed		passed		passed		passed	
Browser is opened	Ecommerce website is opened.	user is able to input user name and password	User is logged in and home page is same on different browsers		The product page is displayed.	The product is added to cart.		The total amount includes taxes and shipping charges.	Browser is opened		Ecommerce website is opened.	user is able to input user name and password	User is logged in and alignment of products on	home page are proper.	The product page is displayed.		The user is not be allowed to add items to cart	beyond a certain limit.	Browser is opened		Ecommerce website is opened.	user is able to input user name and password	home page is dispalyed after login		User is redirected to product specification page.		The product page is be displayed.		The product is added to cart.		The item is removed form cart.	
Browser should be opened	Ecommerce website should be opened	user should be able to input username and password	User should be logged in and home page should be		Click on any product displayed The product page should be displayed. on home page	The product should be added to cart.	-	The total amount should include taxes and shipping charges.	should be opened		Ecommerce website should be opened	user should be able to input username and password	User should be logged in and alignment of products on User is logged in and alignment of products on	home page should be proper.	The product page should be displayed.		The user should not be allowed to add items to cart	beyond a certain limit.	Browser should be opened		Ecommerce website should be opened	user should be able to input username and password	Home page should be displayed after login and user	name should be displayed on home page	User should be redirected to product specification	page.	The product page should be displayed.		The product should be added to cart.		The item should be removed form cart.	
Open browser	Open url	Enter username and password	Click on login button		Click on any product displayed Ton home page	cart for the		Click on go to cart button.	Open browser		Open url	rname and password	Click on login button	<u> </u>	Click on any product displayed	on home page	Click on add to cart for the	product for many times.	Open browser		Open url	Enter username and password	Click on login button	r	Click on any product displayed	on home page	Click on any product displayed	on home page	add to cart for the	product.	remove from cart	button.
П	2	3	4	<u> </u> .	ιΩ	9		7	-		2	3	4		2		9		Н		2	3	4		22		9		7		∞	
Browser should be installed	Internet	connection should	be present		logged in				Browser should be	installed	Internet	connection should	be present	User should be	logged in				Browser should be	installed	Internet	connection should	be present	User should be	logged in							
Verity that the amount	displayed to user Internet	should include	the taxes and be present		as per location.				Verify that user	should not be	able to add items Internet	in cart beyond a	certain limit.						Verify that when	user clicks on	remove from cart Internet	button the item	should be	removed from	cart.							
Verify the details Verity that the on Cart Page amount		•							Verify the details	on Cart Page									tails	on Cart Page	•	-	•	-								
Cart Page									Cart Page										Cart Page													
TC005									TC006										TC007													

RESULT	
-	Thus the e-commerce application was tested successfully.
	a commerce application had tooled bacocolony.

Ex.no: 4 Date:

DEVELOP THE TEST PLAN AND DESIGN THE TEST CASES FOR AN INVENTORY CONTROL SYSTEM

AIM:

To the test plan and design the test cases for an inventory control system.

1. Introduction

Purpose:

The purpose of this test plan is to ensure the quality and reliability of the Inventory Control System. This system is designed to track inventory, manage stock levels, and optimize order processes.

Scope:

This test plan covers the testing of the Inventory Control System, including its functionality, performance, and security.

References: Requirements documentation, system design specifications.

2. Test Strategy

Testing Approach:

A comprehensive testing approach that includes functional, non-functional, and integration testing.

Test Environment:

- Operating Systems: Windows, Linux, macOS
- •Web Browsers: Chrome, Firefox, Safari
- Database Systems: MySQL, PostgreSQL
- Mobile Devices (if applicable): iOS and Android

Test Data:

- Test data will include a variety of products, stock levels, orders, and user roles.
- Test data will be generated and managed using test scripts or tools.

3. Test Phases

- •Unit Testing: Testing individual components and functions within the system.
- •Integration Testing: Testing the integration of various system components.
- Functional Testing: Testing the system's functionality according to defined requirements.
- Performance Testing: Evaluating system performance under different load conditions.
- Security Testing: Assessing system security measures to protect sensitive inventory data.

4. Test Scenarios

- •Inventory item creation and management.
- •Stock level monitoring and alerts.

- Order processing and tracking.
- •User access control and permissions.
- Reporting and analytics.
- •Data import and export functionality (if applicable).

5. Test Cases

- •Test ID: A unique identifier for each test case.
- •Description: A brief description of the test case.
- Precondition: Any necessary conditions or setup required for the test.
- •Steps to Reproduce: Step-by-step instructions to execute the test.
- •Expected Results: What should be the expected outcome of the test.
- Actual Results: The actual outcome observed during testing.
- Pass/Fail Status: Whether the test case passed or failed.

6. Test Execution

- •Test Execution Approach:
- •Manual testing for functional and usability testing.
- Automation testing for repetitive and regression testing.
- Testing Schedule: Specify testing timelines, milestones, and deadlines.
- •Test Environments: Detail the test environments used for testing.
- Roles and Responsibilities: Define the roles and responsibilities of testing team members.

7. Defect Management

- Defect Tracking Tool: Specify the tool used for defect tracking (e.g., JIRA, Bugzilla).
- Defect Reporting and Documentation Process: Describe the process for reporting, documenting, and resolving defects.
 - Defect Prioritization and Severity Criteria: Define how defects will be prioritized and categorized.

8. Test Deliverables

- •List of Documents and Artifacts:
- Test plan
- Test cases
- Test reports
- Defect logs

9. Risk Assessment

- •Identify Potential Risks:
- Data loss or corruption
- Security breaches

,	Performance bottlenecks
,	•Mitigation Strategies for Identified Risks: Describe how these risks will be addressed and mitigated.
10. Sche	dule
Preparat	tion (1 week)
,	•Develop test plan and cases.
,	•Set up environments.
Testing (5 weeks)
	•Unit, Integration, System.
	•UAT (2 weeks).
Automat	tion (2 weeks)
Closure	(1 week)
	Documentation and approvals.
11.Exit (Criteria
	•Conditions to conclude testing:
	•95% of test cases passed.
,	•All critical defects resolved.
12.Appr	ovals
	•Stakeholders for test plan review and approval: Project Manager, Development Lead, QA Lead.

CHECKOUT, PAYMENTS PAGE:

Test Scenario Tes	Tes	Test Case	Pre-requisites	Test Data	Step No.	Test Step	Expected Result	Actual Result	Status
Verify the details Verify that Browser should		Browser should	ı —	Username-	1	Open browser	Browser should be opened	Browser is opened.	passed
on payments options be installed	payments options be installed	be installed	_	Username	2	Open url	Ecommerce website should be opened	Ecommerce c website is opened.	passed
Checkout, Payme applicable for the Internet Pa			<u>6</u>	Password-	3	Enter username and	user should be able to input username	user is able to input username	bassed
l be connection	connection		_	password			and password	and password.	
displayed at should be		should be			4	Click on login button	Home page should be displayed after	homepage is displayed after	passed
checkout. present		present			2	Click on any product	The product page should be displayed.	the product page is displayed.	passed
								-	-
					9	add to cart for the	The product should be added to cart.	product is added to cart.	bassed
							-	-	-
					<u> </u>	Click on Checkout button.	Ine checkout page should be displayed checkout page is displayed with with payments options.	cneckout page is displayed with payments options.	passed
Checkout, Paym Verify the details Verify that Browser should		Browser shoul	ъ		1	Open browser	ped	Browser is opened.	passed
on delivery details of be installed Checkout, Payme items should be Internet	delivery details of be installed items should be Internet	be installed Internet			2 (Open url	Ecommerce website should be opened	Ecommercec website is opened.	passed
nts Page displayed at connection		connection			3	Enter username and	user should be able to input username	user is able to input username	passed
checkout. should be		should be				password	and password	and password.	
present	present	present			4	Click on login button	d after	homepage is displayed after	passed
User should be	User should be	User should be					login and user name should be	login.	
logged in	logged in	logged in			ιο Ο	Click on any product	The product page should be displayed.	the product page is displayed.	passed
					9	Click on add to cart for the	Click on add to cart for the The product should be added to cart.	product is added to cart.	passed
			_			product.			
					7	Click on Checkout button.	The checkout page should be displayed with delivery details.	checkout page is displayed with payments options.	passed
Checkout, Paym Verify the details Verify that user Browser should		Browser shoul	р		1 (Open browser	Browser should be opened	Browser is opened.	passed
on should get order be installed Checkout, Payme details by Internet	t order	be installed Internet			2 (Open url	Ecommerce website should be opened	Ecommercec website is opened. passed	passed
nts Page message or email. connection	message or email. connection	connection			3	rname and	e able to input username	user is able to input username	passed
au pinonia pe	ag pinous	snoula pe	_				T	arid password.	
present User should be	present User should be	present User should be			4	Click on login button	Home page should be displayed after login and user name should be	homepage is displayed after login.	passed
loggedin	logged in	logged in			5	Click on any product	The product page should be displayed.	the product page is displayed.	passed
						displayed on home page			
					9	add to cart for the	The product should be added to cart.	product is added to cart.	passed
						product.			
					7	Click on Checkout button.	The checkout page should be displayed	checkout page is displayed with	passed
								payments options.	
					∞	payment for the	User should get order details by	User gets order details by	passed
						order.	message or email.	message or email.	

TC004	Checkout, Paym	Verify the details on	Verify that user should be	Browser should be	1	Open browser	Browser should be opened	Browser is opened.	passed
	ents Page	Checkout, Payments Page	directed to home page after checkout.	installed Internet connection	2	Open url	Ecommerce website should be opened	Ecommercec website is opened.	passed
				should be present User should be logged	m	Enter use mame and password	user should be able to input username and password	user is able to input username and password.	passed
				Ë	4	Click on login button	User should be logged in and Search functionality is present on home page.	Search functionality is present on the homepage after login.	passed
					ī	Click on any product displayed on home page	The product page should be displayed.	the product page is displayed.	passed
					9	Click on add to cart for the product.	The product should be added to cart.	product is added to cart.	passed
					7	Click on Checkout button.	The checkout page should be displayed with payments options.	checkout page is displayed with payments options.	passed
					∞	Make payment for the order.	nfirmed and to home page.	order is confirmed and user Is directed to homepage.	passed
TC005	Checkout, Paym	Verify the details on	Verify that user should be	Browser should be	1	Open browser	Browser should be opened	Browser is opened.	passed
	ents Page	Checkout, Payments Page	displayed payment options such as Credit Card, Debit	installed Internet connection	2	Open url	Ecommerce website should be opened	Ecommercec website is opened.	passed
			Card, Net Banking etc.	should be present User should be logged	m	Enter username and password	Enter username and password user should be able to input username and password	user is able to input username and password.	passed
				.5		المرابع ماماك	and bac ai bean of blued by	home are is same on different browsers	Posses
					4	Circk on login batton	user should be same on different browsers.	oset snoud de togged in and nome page. Inome page is same on different browsers. should be same on different browsers.	passed
					2	Click on any product displayed on home page	Click on any product displayed The product page should be displayed. 1 on home page	the product page is displayed.	passed
					9	Click on add to cart for the product.	The product should be added to cart.	product is added to cart.	passed
					7	Click on Checkout button.	The checkout page should be displayed	The checkout page is displayed with payments	passed
							with payments options such as debit card, credit card, netbanking etc.	options such as de bit card, credit card, netbanking etc.	
TC006	Checkout, Paym	Checkout, Paym Verify the details on	Verify that if user is not	Browser should be	1	Open browser		Browser is opened.	passed
	ents Page	Checkout, Payments Page	registered then payment should be done as Guest user.	installed Internet connection	2	Open url	Ecommerce website should be opened	Ecommercec website is opened.	passed
				should be present User should be logged	8	Click on any product displayed on home page	Click on any product displayed The product page should be displayed. I on home page	the product page is displayed.	passed
				<u>u</u>	4	Click on add to cart for the product.	The product should be added to cart.	product is added to cart.	passed
					S	Click on Checkout button.	The checkout page should be displayed with payments options.	checkout page is displayed with payments options.	passed
					9	Make payment for the order.	The payment should be done as guest 's user.	The payment is done as guest user.	passed

peg	peg) ed		pes			pes		pes		pes		pes		pes		pe	sed	pe	i	pe		7	ב ט	peg		pes		pes		pes		pes	
passed	led. pass	e passed		passed			passed		d. passed		passed		ith pass		ent pass		passed	ed. pass	bassed a		passed			passad	d. passed		passed		ith pass		passed		passed	
Browser is opened.	Ecommercec website is opened. passed	user is able to input username	and password.	homepage is displayed after	login.		user is redirected to product	specification page.	the product page is displayed.		product is added to cart.		checkout page is displayed w	payments options.	the user is able to save payment passed	method for future orders.	Browser is opened.	Ecommercec website is opened. passed	user is able to input username		homepage is displayed after	login.	4 1000000000000000000000000000000000000	specification page.			product is added to cart.		checkout page is displayed w	payments options.	payments options are	displayed.	The payment session is	timedout.
Browser should be opened	Ecommerce website should be opened	user should be able to input username	and password	Home page should be displayed after	login and user name should be	displayed on home page	User should be redirected to product	specification page.	The product page should be displayed.		The product should be added to cart.		The checkout page should be displayed checkout page is displayed with passed	with payments options.	the user should be able to save	payment method for future orders.	Browser should be opened	Ecommerce website should be opened	user should be able to input username	and password	Home page should be displayed after	login and user name should be	uispiayed oii iioiiie page	specification page.	The product page should be displayed.		The product should be added to cart.		The checkout page should be displayed checkout page is displayed with passed	with payments options.	Payment page should be displayed.		The payment session should be	timedout.
Open browser	Open url	Enter username and	password	Click on login button			Click on any product	displayed on home page	Click on any product	displayed on home page	Click on add to cart for the	product.	Click on Checkout button.		Make payment for the	order.	Open browser	Open url	Enter username and	password	Click on login button		40.000000000000000000000000000000000000	displayed on home page	Click on any product	displayed on home page	Click on add to cart for the	product.	Click on Checkout button.		Select payment method	and click on pay.	Stay on payment page for	long time wtihout any
1	2	3		4			2		9		7		8		6		1	2	8		4		L	<u> </u>	9		7		∞		6		10	
Browser should	be installed Internet	sonnection	should be	present	User should be	loggedin											Browser should	be installed Internet	connection	should be	present	User should be												
	should be provided with an	option to save the connection	payment method. should be			_												session should be timed out if	payment is not	ij	time.													
Verify the details Verify that user	on Checkout,Payme	nts Page															Verify the details Verify that	on Checkout.Payme	nts Page	b														
Checkout, Paym	ents Page																Checkout, Paym	ents Page																
TC007																	TC008																	

MY ORDR PAGE

Test Case ID Module Test	Module	Test	Test Case	Pre-	Test Data	Step	Test Step	Expected Result	Actual Result	Status
	Name	Scenario		requisites		No.				
TC001	My	Verify the	Verify that	Browser	Username-	1	Open browser	Browser should be opened	Browser is opened.	passed
	Orders	details on	user should	should be	Username	2	Open url	Ecommerce website should be opened	Ecommerce website is opened.	passed
	Page	Orders Page be able to	be able to	installed	Password-	3	Enter username and	user should be able to input username and	user is able to input username	passed
			track the	Internet	password		password	password	and password.	
			order on My	connection		4	Click on login button	Home page should be displayed after login homepage is displayed after	homepage is displayed after	passed
			orders page.	should be		2	Click on My orders button	Click on My orders button The orders by user should be displayed.	orders by users are displayed.	passed
				present		9	Click on Track order for a	Click on Track order for a Tracking information should be displayed	Tracking information is displayed	passed
							order.	for that order.	for that order.	
TC002	My	Verify the	Verify that	Browser		1	Open browser	Browser should be opened	Browser is opened.	passed
	Orders	details on	user should	should be		2	Open url	Ecommerce website should be opened	Ecommerce website is opened.	passed
	Page	Orders Page be able to	be able to	installed		3	Enter username and	user should be able to input username and user is able to input username	user is able to input username	passed
			change the	Internet			password	password	and password.	
			delivery date connection	connection		4	Click on login button	Home page should be displayed after login	homepage is displayed after	passed
			and time.	should be				and user name should be displayed on	login.	
				present		5	Click on My orders button	Click on My orders button The orders by user should be displayed.	orders by users are displayed.	passed
				User should		9	Click on change delivery	The user should be provided details for	The user Is provided details for	passed
				be logged			date and time button.	selecting delivery date and time.	selecting delivery date and time.	
TC003	Š	Verify the	Verify that	Browser		1	Open browser	Browser should be opened	Browser is opened.	passed
	Orders	details on	user should	should be		2	Open url	Ecommerce website should be opened	Ecommerce website is opened.	passed
	Page	Orders Page be able to	be able to	installed		3	Enter username and	user should be able to input username and	user is able to input username	passed
			cancel the	Internet			password	password	and password.	
			order	connection		4	Click on login button	Home page should be displayed after login	homepage is displayed after	passed
				should be				and user name should be displayed on	login.	
				present		5	Click on My orders button	Click on My orders button The orders by user should be displayed.	orders by users are displayed.	passed
				User should		9	Click on cancel order for	Click on cancel order for User should be able to cancel the order.	User is able to cancel the order.	passed
				be logged			an order.			

DEALU T
RESULT:
Thus the test plan was developed and test cases was designed successfully for an inventory
and the test plan was developed and test edges was designed successfully for all inventory
control system.

Ex.no: 5

Date:

EXECUTE A CLIENT SERVER OR DESKTOP APPLICATION TESTCASE AND IDENTITY THE DEFECTS

AIM:

To execute testcases against a client server or desktop application identify the defects.

Test							Remarks/
Case ID	Test Case Objective	Prerequisite	Steps	Input Data	Expected Result	Actual Result	Status
			Start the calculator through				
	Check if the calculator		specified means		Calculator window is displayed	Calculator window	
TC001	starts correctly.	None	(e.g., search bar, menu items).	N/A	on the screen.	is displayed.	Passed
						Calculator window	
	Check if the calculator		Maximize the calculator window using		Calculator window is maximized	is maximized	
TC002	window maximizes correctly.	Calculator started	the window control buttons.	N/A	to the specified size.	to.	Passed
	Check if the calculator		Press the close button or choose			Calculator window	
TC003	closes correctly.	Calculator started	exit from the file menu.	N/A	Calculator window is closed.	is closed.	Passed
	Check if the help document		Access the help documentation			Help documentation	
TC004	is accessible.	Calculator started	through the Help menu.	N/A	Help documentation is displayed. is displayed.	is displayed.	Passed
	Check if copy-and-paste		Copy and paste values from one	Sample	Values are successfully	Values are copied	
TC005	functionality works.	Calculator started	part of the calculator to another.	values	copied and pasted.	and pasted.	Passed
	Check if calculator preferences		Access the preferences/settings	Changes	Preferences are successfully	Preferences	
JC006	are configurable.	Calculator started	and make changes.	made	configured.	are configured.	Passed
	Check if all numbers (0 to 9)		Press each number key (0 to 9)		All numbers are displayed	All numbers are	
TC007	are working.	Calculator started	and observe the result.	N/A	correctly.	di splayed.	Passed
	Check if arithmetic keys		Perform arithmetic operations		Calculations are performed	Calculations are	
TC008	(+, -, *, %, /) are working.	Calculator started	using the respective keys.	Operations	correctly.	performed.	Passed
	Check if the clear key is		Enter some values and use the			Input is cleared as	
TC009	functioning.	Calculator started	clear key to clear the input.	Input	Input is cleared as expected.	expected.	Passed
	Check if brackets keys are		Perform calculations involving		Brackets are applied correctly	Brackets are applied	
TC010	working.	Calculator started	brackets and observe the result.	Input	in calculations.	correctly.	Passed

	Verify the square key		Perform square calculations with		Square operation is performed	Square operation is	
TC021	works properly.	Calculator started	different numbers.	Input	correctly.	performed.	Passed
						Square root	
	Verify the square root		Perform square root calculations		Square root operation is	operation is	
TC022	key works properly.	Calculator started	with different numbers.	Input	performed correctly.	performed.	Passed
	Ensure BODMAS/BIDMAS is				BODMAS/BIDMAS rules are	BODMAS/BIDMAS	
	applied when running		Perform complex calculations involving		applied correctly,	rules are	
TC023	complex queries.	Calculator started	multiple operations and parentheses.	Input	and the result is accurate.	applied correctly.	Passed
	Validate using decimal					Decimal calculations	
	characters yields		Perform calculations with decimal	Decimal	Decimal calculations produce	produce	
TC024	correct result.	Calculator started	numbers and observe the result.	Input	accurate results.	accurate results.	Passed
						Spacing between like	
	Ensure the spacing of all		Observe the spacing between buttons		Spacing between like	buttons is	
TC025	like buttons is equal.	Calculator started	for each type of operation.	N/A	buttons is equal.	equal.	Passed
			Enter a sequence of numbers and				
	Validate the number of		observe			Calculator allows	
	digits allowed in		if there is a limit to the number of		Calculator allows the expected	the expected	
TC026	the calculator.	Calculator started	digits allowed in the calculator.	Input	number of digits.	number of digits	Passed
			Perform calculations with large			Calculator di splays	
	Check the response value		results and observe if there is a		Calculator displays results within	results within	
TC027	limit of the calculator.	Calculator started	limit to the displayed value.	Input	the expected limit.	the expected limit.	Passed
	Ensure the memory functions		Store and recall values using	Memory	Memory functions successfully	Memory functions	
TC028	work as expected.	Calculator started	memory functions.	Input	store and recall values.	are store.	Passed
						Previous calculations	
			Perform multiple calculations and			are visible	
	Validate previous calculations		check if a history or log of previous		Previous calculations are visible	in the calculator	
TC029	can be viewed.	Calculator started	calculations is available.	N/A	in the calculator history.	history.	Passed
	Verify the "C" or clear						
	button cancels all		Enter some values and use the clear			Calculator display is	
TC030	digits and operations.	Calculator started	button to clear the input.	Input	Calculator display is cleared.	cle ared.	Passed

TC041	Verify the multiplication of one negative and one positive number.	Calculator started	Enter one negative and one positive number and perform multiplication.	Mixed	Multiplication is performed correctly, considering the signs.	Multiplication is performed, considering the signs. Passed	Passed
TC042	Verify the division of two integer numbers.	Calculator started	Enter two integer numbers and perform division.	Integer Input	Division is performed correctly.	Division is performed.	Passed
TC043	Verify the division of two negative numbers.	Calculator started	Enter two negative numbers and perform division.	Negative Input	Division is performed correctly, considering the signs.	Division is performed, considering the signs. Passed	Passed
TC044	Verify the division of one positive number and one integer number.	Calculator started	Enter one positive and one integer number and perform division.	Mixed Input	Division is performed correctly, considering the signs.	Division is performed, considering the signs. Passed	Passed
TC045	Verify the division of a number by zero results in an error.	Calculator started	Attempt to divide a number by zero.	Divide by Zero	Calculator displays an error message.	Calculator displays an error message.	Passed
TC046	Verify the division of a number by a number by a negative number.	Calculator started	Enter a number and divide it by a negative number.	Negative Input	Division is performed correctly, considering the signs.	Division is performed, considering the signs.	Passed
70047	Check if the division of zero by any number results in zero.	Calculator started	Divide zero by any number.	Zero Input	Calculator displays the result as zero.	Calculator displays the result as zero.	Passed

RESULT:

Thus the test cases are executed against the desktop application.

Test the performance of the E-commerce Application

AIM:

To test the performance of the e-commerce application.

PROCEDURE:

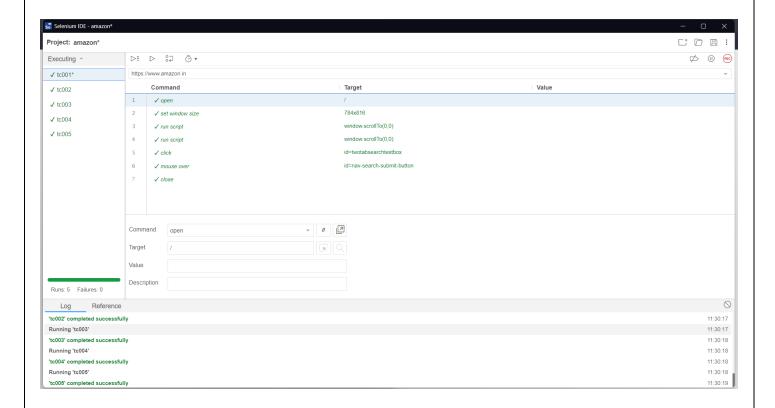
- **Step 1:** Open chrome: Use google chrome, a web browser.
- **Step 2:** Visit your website: Go to the website you want to test.
- **Step 3:** Check the websites performance:
 - Right click on the web page and choose "Inspect".
 - Go to the "Light house" tab it the top.
- **Step 4:** Start the test: click on "Generate report".
- Step 5: See the result.
 - > Light house will give your website a score for performance.
 - > It will also provide tips to make your website faster.

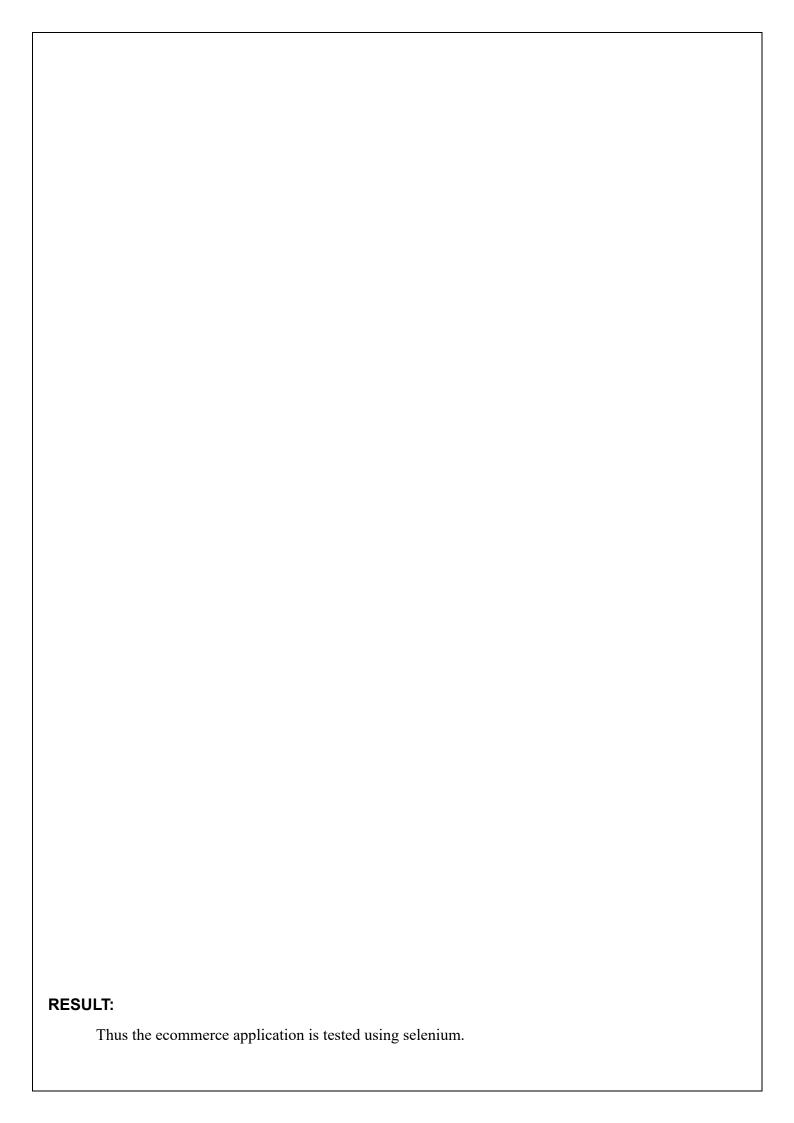
RESULT:

Thus the test plan for the test performance of e-commerce applications was implemented successfully.

EX.NO :7 DATE:	
AUTOMATE THE TESTING OF E-COMMERC	CE APPLICATIONS USING
SELENIUM	
V-1-110	
AIM:	
To automate using ecommerce application using seleni	ium.
PROCEDURE:	
Step 1: open the chrome and install the selenium IDE add on	
Step 2: After installation open, selenium and give the website	url
Step 3: Create a new project and give a name and rename the	task name
Step 4:Run url	
Step 5: Stop recorder	
Step 6: Check if the output generated is without error	
Step 7: Stop.	

OUTPUT:





Ex no:8

Date:

Integrate test NG

Aim:

To integrate Test NG with about test automation.

Algorithm:

Step 1: Install Test NG in eclipse.

go to "help" > "eclipse Market place" and install Test NG.

Step 2:create a T

est NG test class.

Right -click project ,choose "new">"class",name it, write a Test NG test method.

Step 3:create "testing.xml".

Right click project, choose "new">"file" name it "testing.xml", and define suite and test structure.

Step 4:Run Test NG suite.check eclipse console for test output.

Program:

import org.testng.annotations.Test;

import org.openga.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openga.selenium.remote.RemoteWebDriver;

import org.openga.selenium.remote.DesiredCapabilities;

import org.openga.selenium.Dimension;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.interactions.Actions;

import org.openqa.selenium.support.ui.ExpectedConditions;

```
import org.openqa.selenium.support.ui.WebDriverWait;
import org.openga.selenium.JavascriptExecutor;
import org.openqa.selenium.Alert;
import org.openqa.selenium.Keys;
import org.testng.annotations.BeforeMethod;
public class mahesh {
 @BeforeMethod
 public void setUp() {
  driver = new ChromeDriver();
  js = (JavascriptExecutor) driver;
  vars = new HashMap<String, Object>();
 @AfterMethod
 public void tearDown() {
  driver.quit();
 @Test
 public void q() {
  driver.get("https://www.amazon.in/");
  driver.manage().window().setSize(new Dimension(681, 565));
  driver.findElement(By.id("twotabsearchtextbox")).click();
  driver.findElement(By.id("twotabsearchtextbox")).sendKeys("qwerty");
   WebElement element = driver.findElement(By.id("nav-search-submit-button"));
   Actions builder = new Actions(driver);
   builder.moveToElement(element).perform();
  }
```

```
driver.findElement(By.id("nav-search-submit-button")).click();
}
```

Result:

Thus the program for integrate Test NG with about test automation was successfully verified and executed.