

1. steps to install eclipse

Step1: Download eclipse:

Go to the official Eclipse website and download the version of Eclipse IDE that suits your needs. Eclipse offers various packages tailored for different programming languages and development needs.

Step2: Extract the downloaded file:

Once, the download is complete, extract the contents of the downloaded archive to a folder on your computer.

Step3: Run Eclipse:

Navigate to the extracted Eclipse folder and locate the executable file. On Windows double-click the executable to launch Eclipse.

Step4: choose a workspace:

Upon launching Eclipse, you'll be prompted to choose a workspace location or choose a custom directory.

Step 5: Configure Eclipse

Depending on your preferences and project requirements, you may want to configure Eclipse settings such as font size, theme and default preferences. You can do this by navigating to window > preferences.

Step 6: Start Using Eclipse

Once Eclipse is set up, you can start creating, importing and managing your projects. Explore the different features and functionalities of Eclipse to make the most out of your development experience.

2) procedure of JUnit Execution

step 1: write test cases:

Create test cases for the classes and methods you want to test

step 2: compile code and test:

compile both your source code and test code.

step 3: Run Tests:

Execute the JUnit test runner. This can be done via an IDE or command line.

step 4: JUnit Runner:

JUnit discovers test classes and methods annotated with `@Test`.

step 5: Initialize Test Environment:

JUnit initializes test classes and methods environment by creating an instances of the test class.

step 6: Execute Tests:

JUnit executes the test methods within the test class

Assert

Step 7 Assertion checks:

During test execution, JUnit checks the assertions within each test method.

Step 8 Reporting:

JUnit reports the result of each test method.

Step 9 cleanup:

JUnit cleans up the post test environment, including releasing any resources used during testing.

Step 10 summary:

Finally, JUnit provides a summary of the test execution, including the number of tests run, passed, failed and any other errors encountered.

EXP NO:1

ATM System

objective: select any system such as an ATM system, and thoroughly examine its system specifications to identify and document the different software defects present common software defects that can be found in ATM systems

Features to be tested:

1. validity of the card
2. withdraw transaction flow of ATM
3. Authentication of the user's
4. Dispense the cash from the account

Bug Id	Bug Name
ATM 001	invalid card ATM 002 invalid pin
ATM 003	invalid Account type ATM 004 insufficient Balance
ATM 006	Day 1 print
ATM 007	Invalid money denominations
ATM 008	Receipt not printed
ATM 009	PIN change mismatch

Bug Report

Bug ID ATM 001

Bug Description: Invalid card

Steps to reproduce: 1. keep the valid card in the ATM

Expected Result: welcome screen

Actual result: Invalid card

Status: Pass/Fail

Bug ID: ATM 002

Bug Description: Invalid PIN entered

Steps to reproduce:

1) keep a valid card in ATM

2) Enter the authorized PIN

3) menu screen should be displayed.

Expected Result: Invalid PIN screen is displayed

Status: Pass/Fail

Bug Id: ATM 003

Bug Description: Invalid Account type selected.

Steps to reproduce:

1. Enter a valid user PIN number.

2. select the withdraw option on the main menu

3. choose the correct type of account

Expected Result: Enter the amount screen

Actual Result: Insufficient balance in the account

Status: Pass/Fail

Bug ID: ATM-005

Bug Description: withdraw limit per transaction.

Steps to reproduce

1. menu screen should be displayed.

2. Select the withdraw option.

3. select the correct type of account.

Expected result: cash is dispensed

4. Enter sufficient amount to withdraw from the account Transaction within the limit.

5. Response the cash screen & amount to be deducted from the Account

Expected result: Transaction limit exceeded screen is displayed. status: Pass/Fail

Bug ID: ATM-006

Bug Description: withdraw limit per day

Steps to Reproduce:

1. keep a valid card in ATM

2. Enter the Authorized PIN

3. Enter the Amount withdraw from the

Account.

4. Amount entered is over the day limit (> 10000)

5. Amount entered is over the day limit and display screen is displayed

Expected Result: cash is dispensed and collected
the receipt.

Actual Result: Day limit exceeded, screen
is displayed.

Status: Pass/Fail

Bug Id: ATM 007

Bug Description: Amount Enter denominations.

steps to Reproduce:

1. keep a valid card in ATM

2. Enter the Authorized PIN

3. Enter the amount which should be in
multiples of 100.

4. Cash Dispenser screen is displayed.

Expected Result: collect the amount screen is
displayed.

Actual Result: Amount Enter not in required
denominations.

Exp No: 2

SNo	Items to be tested	Approach	Test Environment needed	Tooling required	Risk	Test case	Pass/Fail
1)	Holiday off -frustrated after -cancel vacation -logout	Manual Approach	Operating Systems / Browser	Not required	No	<ul style="list-style-type: none"> - open the website www.santabanta.com - Enter the user name and password - click photo home button - check whether holiday is there 	Pass
2)	mys course * graduation status * export certs.	Manual Approach	Operating Systems / Browser	Not required	No	<ul style="list-style-type: none"> - open the website www.santabanta.com - Enter the user name and password - click on "button" and go to my course 	Pass
3)	Enrollment * course didn't Note: paper form	Manual Approach store store store	Operating system	Not required.	No	<ul style="list-style-type: none"> - open the website www.santabanta.com - enter user name and password - click on "=" button. 	Pass

4.	Attendance	* Attendance report * Course code * course name	operating system Browser required	No	- click on "=" button and go to Attendance - click on attendance report course code is there or not	Pass
5.	Assignment	* course * select * complete A assignment	operating system Browser required	No	- click on "=" button - n. and go to . assignment - click on assignment selected warning up	Pass
6.	Examination	* no due request * please enable popup	operating system Browser required	No	- click on "=" button and go to Finance - al record clock due list payment	Pass
7.	Financial	* Due list * record payment history & point & print	operating system Browser required	No	- click on "=" button and go to Financial record clock due list payment	Pass

8. Descriptions	Decomposition Second stage. charge/shift control of plant.	Manual approach Approach correctly manual operating system	No.	Process Rate Spec Rate
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Exp No:3 Case Study on AIMS Portals - Negative Test case

Objective: case study to identify & analyze the requirements of AIMS Portals.

- negative test case scenarios as well as test cases for the above application.

Item to be tested.	Features	Approach	Data test	Test Environment	Risk.	Test case.	Expected output	Pass/Fail
1) Home	• Webpage Notifi - allow attend - no confor - mation	Manual Approach	username password	Operating system Browser	No	open webpage airline reservation - enter user name 2. - password id - enter wrong pass	wrong and entered entered PA invalid.	Pass
2) My course	In Progress course status: - on status - External edit - r status	Manual Approach	username password	Operating system Browser	No	click on "button" one to my course status off status and forward course & forward	my course pass	Pass
3) Enrollment	s. No course code course name have attended views	Manual Approach	username password	Operating system Browser	No	click on "button" my enrollment one to enrollment wasn't appeared select slot passing store	my enrollment pass	Pass

- click on "button"
- one to enrollment wasn't appeared
- select slot passing
- store

- click on "button"
- one to my course
- off status forward
- and forward

- PA invalid
- enter user name
- password id

- click on "button"
- one to attendance
- one to attendance

- PA invalid

5. Assignment	Completed. Assignment contains exams.	Manual Approach	username password	Operating system Browser	No	<ul style="list-style-type: none"> Click on '+' button Click on examinee - Pen. Go to no due request whether it's there or not. 	Pass
6. Examination.	No due exams Please enable drop up option.	Manual Approach	username password	Operating system Browser	No	<ul style="list-style-type: none"> Click on '+' button Click on examination Go to no due request whether this item is on nor. 	Pass
7. Financial Record.	Due list • payment history • due payment	Manual Approach	username password	Operating system Browser	No	<ul style="list-style-type: none"> Click on '+' button Go to financial record Check due list Payment history 	Pass
8. Disiplinary	Disiplinary record last details action details complaint	Manual Approach	username password	Operating system Browser	No	<ul style="list-style-type: none"> Click on '+' button Go to disciplinary issue details Last attendance 	Pass
9. Raise info issue	Raise issue contact choose the location	Manual Approach	username password	Operating system Browser	No	<ul style="list-style-type: none"> Click on '+' button Choose location Contact Choose the issue location 	Pass
10. My profile	Edit profile • gender • date of birth	Manual Approach	username password	Operating system Browser	No	<ul style="list-style-type: none"> Click on '+' button Go on my profile Check student details 	Pass

Exp No : 4

Case study on e-commerce Applications - Positive test cases

Objective: Case study to identify & analyze the requirements of flipkart - positive Test scenarios are

Item to be tested	Features	Approach	Data lost	Test Environment	Risk	Test case	Pass/Fail
Items	Search button Sells not available Account Cart	Manual approach	NO	Laptop/ Android	NO	<ul style="list-style-type: none"> open the flipkart click on the homepage click on the search bar click on the search button and find the product 	Pass
Search button	Search for product and brands and stores	Manual Approach	NO	Laptop/ Android	NO	<ul style="list-style-type: none"> open the flipkart click on the homepage click on the search bar click on the search button and find the product 	Pass
shops	offer zone more on flipkart, best buy stores recently viewed stores	Manual Approach	NO	Laptop/ Android	NO	<ul style="list-style-type: none"> open the flipkart click on the homepage click the shops 	Pass
Notifications	All offers	Manual Approach	NO	Laptop/ Android	NO	<ul style="list-style-type: none"> click on the homepage click the notification use standard offer of getting 10% off by placing 	Pass
Account	Order with list, coupons help center Edit profile - e. Log in	Manual approach	NO	Laptop/ Android	NO	<ul style="list-style-type: none"> click to the account select account type edit the profile save the address 	Pass
My cart	add back, remove, calculator, Buy this now	Manual Approach	NO	Laptop/ Android	NO	<ul style="list-style-type: none"> click on the flipkart click on the homepage place the product and choose card save place the order 	Pass
Search button	Search the product Related searches Popular Products dropdown more	Manual Approach	NO	Laptop/ Android	NO	<ul style="list-style-type: none"> click on the flipkart click on the homepage click on the search bar click on the search button place order 	Pass
Accounts	order placed cancelled	Manual Approach	NO	Laptop/ Android	NO	<ul style="list-style-type: none"> click on flipkart click on homepage search the product and order cancel the order 	Pass

Exp No: 5

Case Study on E-commerce Application - Negative test case

Objective: To write a case study to identify & analyze the requirements of e-commerce Application (Flipkart) and to write a negative test scenarios as well as test cases for the above application.

Items to be selected	Features	Approach	Data test	Test Environment	Risk	Test case	Expected output	Result
Home	Search button, shops, notifications, Account, etc	Manual approach	No	Laptop/ Android	No	Step 1: open flipkart Step 2: click on my email res - word	My flipkart account => incorrect Email or pass word	Pass
Search button	Search for products boards & shirts	Manual approaches	No	Laptop/ Android	No	Step 1: search for products Step 2: Incorrect product will appear	Wrong products appear	Pass
Shops	Search for mobiles, fashion, Electronics	Manual Approach	No	Laptop/ Android	No	Step 1: open the shop Step 2: click on the mob - ples & search - ch	Searched mobiles do not appear	Pass
Trending	Search for Student and Wedding store	Manual Approach	No	Laptop/ Android	No	Step 1: open the shop Step 2: In that open trending stores Step 3: But it will open categories store	Not open stud - ents club	Pass
Notifications	Order list will appear	Manual approach	No	Laptop/ Android	No	Step 1: Open the notifications Step 2: Order placed previous Step 3: Does not appear in notification	Does not show previous work	Pass
Account	click on orders without log - out.	Manual approach	No	Laptop/ Android	No		Help centre does not support	Pass
Accounts	click on logout	Manual approach	No	Laptop/ Android	No	Step 1: open flipkart Step 2: click logout Step 3: flipkart doesn't log out	flipkart doesn't log out	Pass
Accounts	click on edit profile	Manual approach	No	Laptop/ Android	No	Step 1: open accounts & click place order Step 2: place order	Order not placed	Pass

2021	click on place order	manual appear	No	cursor/Android	No	Stpl: open account & click place order	order not placed	busy
Shop	search of medicines	manual appear	No	laptop Android	No	Stpl: open Shop work & click needed ones will not appear	medicines do not appear	busy

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