STE

Q1. Write program for calculating even numbers from 1 to 10 And design test cases for the same (5 test cases).

Ans:

a] Program:

#include<stdio.h>

#include<conio.h>

void main() {

int i;

for((i=1;i<=10;i++) {

if (i%2==0) {

printf(“Number is even”);

} else {

printf(“Number is odd”);

}

}

getch();

}

b] Test case:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test\_id | Test Case Name | Actual Input | Expected Output | Actual Output | Status |
| TC\_001 | Even Number | 2 | It should display "Number is Even" | "Number is Even" | Pass |
| TC\_002 | Odd Number | 3 | It should display "Number is Odd" | "Number is Odd" | Pass |
| TC\_003 | Even Number | 6 | It should display "Number is Even" | "Number is Even" | Pass |
| TC\_004 | Odd Number | 7 | It should display "Number is Odd" | "Number is Odd" | Pass |
| TC\_005 | Even Number | 8 | It should display "Number is Even" | "Number is Even" | Pass |

Q2. Design test cases for Online Mobile Recharge (Data filed are mobile number, state, email-id, recharge amount (12 Test cases).

Ans:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test\_id | Test Case Name | Actual Input | Expected Output | Actual Output | Status |
| TC\_001 | Mobile Number | Enter Mobile Number = 8928867696 | It should accept mobile number | It is accepting Mobile number | Pass |
| TC\_002 | Mobile Number | Enter Mobile Number = 892886769 | It should display message "Enter valid mobile number" | It is displaying message “Enter valid Mobile number” | Pass |
| TC\_003 | Mobile Number | Enter Mobile Number = 89288676966 | It should display message "Enter valid mobile number" | It is displaying message “Enter valid Mobile number” | Pass |
| TC\_004 | Mobile Number | Enter Mobile Number = "" | It should display message "Mobile Number is required" | It is displaying message “Mobile number required” | Pass |
| TC\_005 | State | Go to state dropdown and select state= ” Maharashtra” | It should select Maharashtra state. | It is selecting Maharashtra state | Pass |
| TC\_006 | State | Go to state dropdown and Type M | It should show all states starting with M | It is showing all the states starting with M | Pass |
| TC\_007 | Email-Id | Enter Email Id = "siddharthshah@gmail.com | It should accept Email Id | It is accepting Email Id | Pass |
| TC\_008 | Email-Id | Enter Email Id = "siddharth.shah@vpt.edu.in | It should accept Email Id | It is accepting Email Id | Pass |
| TC\_009 | Email-Id | Enter Email Id = "siddharth@com" | It should display message "Enter valid email id" | It is displaying message "Enter valid email id" | Pass |
| TC\_010 | Email-Id | Enter Email Id = " " | It should display message "Email is required" | It is displaying message “Email Id required” | Pass |
| TC\_011 | Recharge Amount | Enter Recharge amount = 100 | It should accept recharge amount | It is accepting recharge amount | Pass |
| TC\_012 | Recharge Amount | Enter Recharge amount = -100 | It should display message “Enter Valid Amount” | It is displaying message “Enter valid Amount” | Pass |

Q3. Design test cases for hostel admission form of your institute (12 test cases).

Ans:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test\_id | Test Case Name | Actual Input | Expected Output | Actual Output | Status |
| TC\_001 | Name | Enter Name = "Siddharth Shah" | It should accept name | It is accepting name | Pass |
| TC\_002 | Name | Enter Name = " " | It should display message " Name is required " | It is displaying message "Name Required” | Pass |
| TC\_003 | Gender | Select Radio button = Male | It should select Male option | It is selecting male option | Pass |
| TC\_004 | Email-Id | Enter Email Id = "siddharthshah@gmail.com | It should accept Email Id | It is accepting Email Id | Pass |
| TC\_005 | Email-Id | Enter Email Id = "siddharth@com" | It should display message "Enter valid email id" | It is displaying message "Enter valid email id" | Pass |
| TC\_006 | Address | Enter Residential Address = "Lal Chowki, Kalyan-w" | It should accept Residential Address | It is accepting Residential Address | Pass |
| TC\_007 | Address | Enter Residential Address = " " | It should display message “Enter Address” | It is displaying message “Enter Address” | Pass |
| TC\_008 | Mobile Number | Enter Mobile Number = 8928867696 | It should accept mobile number | It is accepting Mobile number | Pass |
| TC\_009 | Mobile Number | Enter Mobile Number = 892886769 | It should display message "Enter valid mobile number" | It is displaying message “Enter valid Mobile number” | Pass |
| TC\_010 | Course | Enter Course = "Computer Engineering" | It should accept Course | It is accepting Course | Pass |
| TC\_011 | Roll No | Enter Roll No = 22203A0041 | It should accept Roll No | It is accepting Roll No | Pass |
| TC\_012 | Submit Button | 1. Enter Name = “Siddharth Shah” 2. Select Gender = “Male” 3. Enter Email Id = “siddharthshah@gmail.com 4. Enter Address = “Lal chowki, Kalyan -w 5. Enter Mobile Number = 8928867696 6. Enter Course = Computer Engineering 7. Enter Roll no = 22203A0041 8. Click on submit button | It should accept Application and Message should be sent to registered mobile number for confirmation | It is accepting Application and Message is received on registered mobile number of confirmations. | Pass |

Q4. Design test cases for railway reservation system (12 test cases).

Ans:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test\_id | Test Case Name | Actual Input | Expected Output | Actual Output | Status |
| TC\_001 | Book Ticket | Click on Book Ticket | It should go to next page | It is going to next page | Pass |
| TC\_002 | Source | Go to source dropdown and select Source = Mumbai | It should select Mumbai | It is selecting Mumbai | Pass |
| TC\_003 | Destination | Go to destination dropdown and select Destination = Delhi | It should select Delhi | It is selecting Delhi | Pass |
| TC\_004 | Category | Go to category dropdown and select category = "Tatkal" | It should select Tatkal | It is selecting Tatkal | Pass |
| TC\_005 | Date | Enter departure date = 22-11-24 | It should accept Departure Date | It is accepting Departure date | Pass |
| TC\_006 | Class | Go to class drop down and select Class = "AC First Class" | It should select AC First Class | It is selecting AC First Class | Pass |
| TC\_007 | Search Button | 1. Click on Book Ticket  2. Select Source = " Mumbai"  3. Select Destination = " Delhi "  4. Select Category = "Tatkal"  5. Select Date = 22-11-24  6. Select Class = "AC First Class"  7. Click on search button | It should go to next page and show all available train | It is going to next page and showing all available train | Pass |
| TC\_008 | Book Now | Click on Book Now | It should go to next page | It is going to next page | Pass |
| TC\_009 | Name | Enter Name = "Siddharth Shah" | It should accept Name | It is accepting Name | Pass |
| TC\_010 | Age | Enter Age = 18 | It should accept Age | It is accepting Age | Pass |
| TC\_011 | Contact Number | Enter Phone Number = 8928867696 | It should accept Mobile Number | It is accepting Mobile Number | Pass |
| TC\_012 | Payment | Pay Amount = 2000 | It should accept Form and Message should be sent to registered mobile number for confirmation of ticket | It is accepting Application and Message is received on registered mobile number of confirmations. | Pass |

Q5. With respect to GUI testing write the test cases for Amazon login form(12 Test cases).

Ans

Q6. Design test cases for creating a saving account at bank(12 Test cases)

Ans

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test\_id | Test Case Name | Actual Input | Expected Output | Actual Output | Status |
| TC\_001 | Name | Enter Name = "Siddharth Shah" | It should accept name | It is accepting name | Pass |
| TC\_002 | Name | Enter Name = " " | It should prompt message "Enter valid name" | It is prompting message “Enter valid name." | Pass |
| TC\_003 | Aadhar Number | Enter Aadhar Number = 0123 4567 8990 | It should accept Aadhar Number | It is accepting Aadhar Number | Pass |
| TC\_004 | Aadhar Number | Enter Aadhar Number = 012 345 678 | It should prompt message "Enter Valid Aadhar Number" | It is prompting message “Enter valid Aadhar Number." | Pass |
| TC\_005 | Date of Birth | Enter Date of Birth = 16-06-2006 | It should accept Date of Birth | It is accepting Date of Birth | Pass |
| TC\_006 | Mobile Number | Enter Mobile Number = 8928867696 | It should accept Phone Number | It is accepting Phone Number | Pass |
| TC\_007 | Mobile Number | Enter Mobile Number = 892886769 | It should prompt message "Enter Valid Phone Number" | It is prompting message “Enter valid Phone Number." | Pass |
| TC\_008 | Email id | Enter Email Id ="siddharthshah@gmail.com" | It should accept Email Id | It is accepting Email Id | Pass |
| TC\_009 | Address | Enter Address = "Lal Chowki, Kalyan - w" | It should accept Address | It is accepting Address | Pass |
| TC\_010 | Type | Go to account type dropdown and select Account = "Saving" | It should select Saving Account | It is selecting Saving Account | Pass |
| TC\_011 | Deposit | Enter Depoist Amount = 2000 | It should accept Deposit | It is accepting Deposit | Pass |
| TC\_012 | Submit | 1. Enter Name = Siddharth Shah  2. Enter Aadhaar Number = 0123 4567 8990 3. Enter Date of Birth = 16-06-2006  4. Enter Mobile Number = 8928867696  5. Enter Email Id = [siddharthshah@gmail.com](mailto:siddharthshah@gmail.com)  6. Enter Address = Lal Chowki,Kalyan -w  7. Select Account = Saving  8. Enter Deposit = 2000  9. Submit Form | It should accept the details and open a saving account | It is accepting details and opening a saving account | Pass |

Q7. Design test cases for MS Word application

Ans

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test\_id | Test Case Name | Actual Input | Expected Output | Actual Output | Status |
| TC\_001 | Copy Option | Select some text and copy | It should copy the selected text | Selected Text Copied | Pass |
| TC\_002 | Paste Option | Paste the copied text | It should paste the copied text | Copied text Pasted | Pass |
| TC\_003 | Cut Option | Select some text and cut | It should cut the selected text | Selected Text cut | Pass |
| TC\_004 | Delete Option | Select some text and delete | It should delete the selected text | Selected Text Deleted | Pass |
| TC\_005 | Select all Option | Click on select all | All the text should get selected | All the text is selected | Pass |
| TC\_006 | Undo Option | Click on Undo | Last action should be undo | Last action is undo | Pass |
| TC\_007 | Save Option | Click on Save | Document should be saved | Document is saved | Pass |
| TC\_008 | Insert Image | Click on insert image | Image should be inserted | Image is inserted | Pass |
| TC\_009 | New Document | Click on new | A new blank document is created | A new document is created | Pass |
| TC\_010 | Print document | Click on Print | Document should be printed | Document is printed | Pass |
| TC\_011 | Open document | Click on Open | Document should open | Document opens | Pass |
| TC\_012 | Close document | Click on close | Document should close | Document is closed | Pass |

Q8. Design test cases for withdrawing an amount from ATM and prepare defeat report of it.

Ans:

a] Test Case:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test\_id | Test Case Name | Actual Input | Expected Output | Actual Output | Status |
| TC\_001 | Withdrawn Amount | 1. Go to Cash Simulator ATM site.  2. Select the card to insert it into the ATM = “Any Bank”  3. Select Language = “English”  4. Enter Pin = “1234”  5. Choose Account Type = “Savings”  6. Enter Amount = “2000”  7. Remove Card from slot  8. Remove Cash from the slot | It should withdraw the money. | It is withdrawing the money | Pass |
| TC\_002 | Withdrawn Amount→Check balance. (balance=5000) | 1. Go to Cash Simulator ATM site.  2. Select the card to insert it into the ATM = “Any Bank”  3. Select Language = “English”  4. Enter Pin = “1234”  5. Choose Account Type = “Savings”  6. Enter Amount = “2000”  7.Click on Other Functions.  8.Click on Balance on Screen.  9.Remove Card from the slot | It should display message “Your Current Balance is 3000 | It is showing message “Your Current Balance is 3000 | Pass |
| TC\_003 | Withdrawn Amount | 1. Go to Cash Simulator ATM site.  2. Select the card to insert it into the ATM = “Any Bank”  3. Select Language = “English”  4. Enter Pin = “1234”  5. Choose Account Type = “Savings”  6. Enter Amount = “0000” | It should prompt message “enter valid amount” | It is prompting message ““enter valid amount” | Pass |
| TC\_004 | Withdrawn Amount (Daily withdrawal limit is 50000) | 1. Go to Cash Simulator ATM site.  2. Select the card to insert it into the ATM = “Any Bank”  3. Select Language = “English”  4. Enter Pin = “1234”  5. Choose Account Type = “Savings”  6. Enter Amount = “100000” | It should prompt message” amount entered is more than daily withdrawal limit” | It is displaying message” amount entered is more than daily withdrawal limit” | Pass |

b] Defect Report:

|  |  |
| --- | --- |
| ID | Def\_01 |
| Project | ATM Simulator |
| Product | Cash Simulator ATM |
| Release Version | v1.0 |
| Module | Home Page > Simulator |
| Detected Build Version | v1.1 |
| Summary | Limited denomination options in cash withdrawal function, restricting cash withdrawal only till 3000. |
| Description | No option of withdrawing of amount excess of 3000 |
| Steps to Replicate | 1) Open the website  2) Select our programs  3) Proceed to Digital Inclusion tools and select cash machine simulator (ATM)  4) Select language and skip to simulator  5) Enter the card  6) Select the account type  7) Go to Other functions and select cash withdrawal |
| Actual Results | It has displaying limited options of denominations in cash withdrawal option |
| Expected Results | It should add more options in denominations in withdrawal function or it should take amount input from the user |
| Attachments |  |
| Remarks | Causes inconvenience to the user in terms of limited cash withdrawal options. |
| Defect Severity | High |
| Defect Priority | High |
| Reported By | Siddharth Shah |
| Assigned To | Prof Supriya Angne |
| Status | Assigned |

Q9. Write Test Plan Whatsapp (consider chart functionality and write test plan)

Ans:

|  |  |  |
| --- | --- | --- |
| 1 | Test Plan Identifier | TP\_11 |
| 2 | Introduction | The purpose of this document is to create a test plan to check the chart functionalityof WhatsApp The purpose is to the check all the functionality of the WhatsApp and to ease the use |
| 3 | Test Items | Working with the document (send, receive,delete, Edit, Copy) |
| 4 | Features to be tested | 1. Send Message 2. Receive Message 3. Delete Message 4. Edit Message 5. Copy Message 6. Paste Message 7. Send Image 8. Send Document 9. Chart Info |
| 5 | Approach | 1. On the test Object: Functional and Non- functional 2. According to the requirement: Positive and Negative 3. By degree of Preparedness: Intuitive Testing(ad hoc) |
| 6 | Items Pass/Fail Criteria | 1 The test items with high priority ends closing the result as Pass   1. The test coverage is Checked and   sufficient where the criterion of selection is not less than 99% of the coverage of the requirements by test   1. The test report was complied and approved by team lead and customer |
| 7 | Suspension criteria and resumption criteria | 1. The appearance and entering the bug tracking system of blocking bug 2. The closing of the blocking bug in the bug tracking system |
| 8 | Test Deliverables | 1. Test Plan 2. Test Case Specification 3. Test Case 4. Test Summary Report |
| 9 | Test Tasks | 1. Writing Test Plan 2. Writing Test Case 3. Development of criteria for success of testing 4. Creating of testing and evaluation of the Result   5. Creating test report |
| 10 | Environmental Needs | 1. WhatsApp Web 2. Computer 3. Internet 4. Window OS |
| 11 | Responsibility | |  |  | | --- | --- | | Functionality and  responsibilities | Responsible | | Send Message | Test Engineer 1 | | Receive Message | Test Engineer 1 | | Delete Message | Test Engineer 1 | | Edit Message | Test Engineer 1 | | Copy Message | Test Engineer 2 | | Paste Message | Test Engineer 2 | | Send Image | Test Engineer 3 | | Send Document | Test Engineer 3 | | Chart Info | Test Engineer 3 | |
| 12 | Staffing and Training needs | To perform the task you must have the knowledge and skills:   1. Knowledge of WhatsApp Chart Application to be tested 2. Knowledge and ability to practically apply the test plan 3. Knowledge of all the test plan functional and non-functional |
| 13 | Scheduling | The deadline of completion of all works along with delivery of the project is on 21/09/24 by 5:00pm |
| 14 | Risks and contingency possible risks during testing | 1. Limited Human resource available at the time of deadline 2. Changing of requirements for the product |
| 15 | Approval Team | Lead Test Engineer 1  Test Engineer 2  Test Engineer 3  Test Engineer 4 |

Q10. Design a test plan for save functionality of Ms-word

Ans:

|  |  |  |
| --- | --- | --- |
| 1 | Test Plan Identifier | TP\_10 |
| 2 | Introduction | The purpose of this document is to create a test plan to test the save functionality in MS Word. The purpose is to check the application's functionality and ease of use. |
| 3 | Test Items | Working with document saving (Save, Save As, Save in different formats, Auto Save) |
| 4 | Features to be tested | 1. Save Current Document  2. Save As New Document  3. Save in Different Formats (DOCX, PDF, RTF)  4. Auto Save Feature  5. Save to Cloud (OneDrive)  6. Save with Password Protection |
| 5 | Approach | 1. On the test Object: Functional and Non- functional 2. According to the requirement: Positive and Negative 3. By degree of Preparedness: Intuitive Testing(ad hoc) |
| 6 | Items Pass/Fail Criteria | 1. The test items with high priority ends closing the result as Pass 2. The test coverage is Checked and sufficient where the criterion of selection is not less than 99% of the coverage of the requirements by test 3. The test report was complied and approved by team lead and customer |
| 7 | Suspension criteria and resumption criteria | 1. The appearance and entering the bug tracking system of blocking bug 2. The closing of the blocking bug in the bug tracking system |
| 8 | Test Deliverables | 1. Test Plan 2. Test Case Specification 3. Test Case 4. Test Summary Report |
| 9 | Test Tasks | 1. Writing Test Plan 2. Writing Test Case 3. Development of criteria for success of testing 4. Creating of testing and evaluation of the Result   5. Creating test report |
| 10 | Environmental Needs | 1. MS- Word 2. Computer 3. Internet 4. Window OS |
| 11 | Responsibility | |  |  | | --- | --- | | Functionality and  responsibilities | Responsible | | Save Current Document | Test Engineer 1 | | Save As New Document | Test Engineer 1 | | Save in Different Formats | Test Engineer 2 | | Auto Save Feature | Test Engineer 2 | | Save to Cloud | Test Engineer 3 | | Save with Password Protection | Test Engineer 3 | |
| 12 | Staffing and Training needs | To perform the task you must have the knowledge and skills:   1. Knowledge of WhatsApp Chart Application to be tested 2. Knowledge and ability to practically apply the test plan 3. Knowledge of all the test plan functional and non-functional |
| 13 | Scheduling | The deadline of completion of all works along with delivery of the project is on 21/09/24 by 5:00pm |
| 14 | Risks and contingency possible risks during testing | 1. Limited Human resource available at the time of deadline 2. Changing of requirements for the product |
| 15 | Approval Team | Lead Test Engineer 1  Test Engineer 2  Test Engineer 3 |