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" <br> 2. Select Gender = "Male" <br> 3. Enter Email Id = "siddharthshah@gmail.com <br> 4. Enter Address = "Lal chowki, Kalyan -w <br> 5. Enter Mobile Number = 8928867696 <br> 6. Enter Course = Computer Engineering <br> 7. Enter Roll no = 22203A0041 <br> 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<br>2. Select Source = " Mumbai"<br>3. Select Destination = " Delhi "<br>4. Select Category = "Tatkal"<br>5. Select Date = 22-11-24<br>6. Select Class = "AC First Class"<br>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<br>2. Enter Aadhaar Number = 0123 4567 8990<br>3. Enter Date of Birth = 16-06-2006<br>4. Enter Mobile Number = 8928867696<br>5. Enter Email Id = siddharthshah@gmail.com<br>6. Enter Address = Lal Chowki,Kalyan -w<br>7. Select Account = Saving<br>8. Enter Deposit = 2000<br>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.<br>2. Select the card to insert it into the ATM = "Any Bank"<br>3. Select Language = "English"<br>4. Enter Pin = "1234"<br>5. Choose Account Type = "Savings"<br>6. Enter Amount = "2000"<br>7. Remove Card from slot<br>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.<br>2. Select the card to insert it into the ATM = "Any Bank"<br>3. Select Language = "English"<br>4. Enter Pin = "1234"<br>5. Choose Account Type = "Savings"<br>6. Enter Amount = "2000"<br>7.Click on Other Functions.<br>8.Click on Balance on Screen.<br>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.<br>2. Select the card to insert it into the ATM = "Any Bank"<br>3. Select Language = "English"<br>4. Enter Pin = "1234"<br>5. Choose Account Type = "Savings"<br>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.<br>2. Select the card to insert it into the ATM = "Any Bank"<br>3. Select Language = "English"<br>4. Enter Pin = "1234"<br>5. Choose Account Type = "Savings"<br>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<br>2) Select our programs<br>3) Proceed to Digital Inclusion tools and select cash machine simulator (ATM)<br>4) Select language and skip to simulator<br>5) Enter the card<br>6) Select the account type<br>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<br>2. Receive Message<br>3. Delete Message<br>4. Edit Message<br>5. Copy Message<br>6. Paste Message<br>7. Send Image<br>8. Send Document<br>9. Chart Info |
| 5 | Approach | 1. On the test Object: Functional and Non-functional<br>2. According to the requirement: Positive andNegative<br>3. By degree of Preparedness: Intuitive Testing(ad hoc) |
| 6 | Items Pass/Fail Criteria | 1  The test items with high priority endsclosing the result as Pass<br>2. The test coverage is Checked and sufficient where the criterion of selectionis not less than 99% of the coverage of the requirements by test<br>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 bugtracking system of blocking bug<br>2. The closing of the blocking bug in the bug tracking system |
| 8 | Test Deliverables | 1. Test Plan<br>2. Test Case Specification<br>3. Test Case<br>4. Test Summary Report |
| 9 | Test Tasks | 1. Writing Test  Plan<br>2. Writing Test Case<br>3. Development of criteria for success oftesting<br>4. Creating of testing and evaluation of the Result<br>5. Creating test report |
| 10 | Environmental Needs | 1. WhatsApp Web<br>2. Computer<br>3. Internet<br>4. Window OS |
| 11 | Responsibility | <table><tr><td>Functionality and responsibilities</td><td>Responsible</td></tr><tr><td>Send Message</td><td>Test Engineer 1</td></tr><tr><td>Receive Message</td><td>Test Engineer 1</td></tr><tr><td>Delete Message</td><td>Test Engineer 1</td></tr><tr><td>Edit Message</td><td>Test Engineer 1</td></tr><tr><td>Copy Message</td><td>Test Engineer 2</td></tr></table> |

| | | 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 knowledgeand skills: 1. Knowledge of WhatsApp ChartApplication to be tested 2. Knowledge and ability to practically applythe 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 possiblerisks during testing | 1. Limited Human resource available at thetime 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<br>2. Save As New Document<br>3. Save in Different Formats (DOCX, PDF, RTF)<br>4. Auto Save Feature<br>5. Save to Cloud (OneDrive)<br>6. Save with Password Protection |
| 5 | Approach | 1. On the test Object: Functional and Non-functional<br>2. According to the requirement: Positive and Negative<br>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<br>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<br>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<br>2. The closing of the blocking bug in the bug tracking system |
| 8 | Test Deliverables | 1. Test Plan<br>2. Test Case Specification<br>3. Test Case<br>4. Test Summary Report |
| 9 | Test Tasks | 1. Writing Test Plan<br>2. Writing Test Case<br>3. Development of criteria for success of testing<br>4. Creating of testing and evaluation of the Result<br>5. Creating test report |
| 10 | Environmental Needs | 1. MS- Word<br>2. Computer<br>3. Internet<br>4. Window OS |
| 11 | Responsibility | <table><tr><td>Functionality and responsibilities</td><td>Responsible</td></tr><tr><td>Save Current Document</td><td>Test Engineer 1</td></tr><tr><td>Save As New Document</td><td>Test Engineer 1</td></tr><tr><td>Save in Different Formats</td><td>Test Engineer 2</td></tr><tr><td>Auto Save Feature</td><td>Test Engineer 2</td></tr><tr><td>Save to Cloud</td><td>Test Engineer 3</td></tr><tr><td>Save with Password Protection</td><td>Test Engineer 3</td></tr></table> |
| 12 | Staffing and Training needs | To perform the task you must have the knowledge and skills:<br>1. Knowledge of WhatsApp Chart Application to be tested<br>2. Knowledge and ability to practically apply the test plan<br>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 possiblerisks during testing | 1. Limited Human resource available at thetime of deadline<br>2. Changing of requirements for the product |
|----|----|----|
| 15 | Approval Team | Lead Test Engineer 1<br>Test Engineer 2<br>Test Engineer 3 |