**Customer Details Test Data:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **First Name** | **Last Name** | **Address** | **Phone** | **Postcode** | **Email** | **OUTPUT** |
|  |  |  |  |  |  | Error in First Name |
| Simon |  |  |  |  |  | Error in Last Name |
| Simon | Johnson |  |  |  |  | Error in Address |
| Simon | Johnson | Adelaide, South Australia |  |  |  | Error in Phone |
| Simon | Johnson | Adelaide, South Australia | 0422184127 |  |  | Error in Postcode |
| Simon | Johnson | Adelaide, South Australia | 0422184127 | 5022 | simonwjohnson | Error in Email |
| Simon | Johnson | Adelaide, South Australia | 0422184127 | 5022 | simonwjohnson@gmail.com | Correct |

**Payment Details Test Data:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Credit Card** | **Card #** | **CCV** | **Expiry Month** | **Expiry Year** | **OUTPUT** |
|  |  |  |  |  | Error in Credit Card |
| Visa |  |  |  |  | Error in Card # |
| Visa | 1234123412341234 |  |  |  | Error in CCV |
| Visa | 1234123412341234 | 333 |  |  | Error in Expiry Month |
| Visa | 1234123412341234 | 333 | 05 |  | Error in Expiry Year |
| Visa | 1234123412341234 | 333 | 05 | 2022 | Error in Expiry Month |
| Visa | 1234123412341234 | 333 | 06 | 2022 | Correct |

**Desk Check:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Statement** | **Logical** | **First Name** | **Last Name** | **Address** | **Phone** | **Postcode** | **Email** | **Credit Card** | **Card #** | **CCV** | **Expiry Month** | **Expiry Year** | **OUTPUT** |
| INPUT First Name, Last Name, Address, Phone, Postcode, Email, Credit Card, Card #, CCV, Expiry Month, Expiry Year |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (First Name == “”) | T |  |  |  |  |  |  |  |  |  |  |  |  |
| OUTPUT error in First Name |  |  |  |  |  |  |  |  |  |  |  |  | Error in First Name |
| RETURN false |  |  |  |  |  |  |  |  |  |  |  |  |  |
| INPUT First Name, Last Name, Address, Phone, Postcode, Email, Credit Card, Card #, CCV, Expiry Month, Expiry Year |  | Simon |  |  |  |  |  |  |  |  |  |  |  |
| IF (First Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Last Name == “”) | T |  |  |  |  |  |  |  |  |  |  |  |  |
| OUTPUT error in Last Name |  |  |  |  |  |  |  |  |  |  |  |  | Error in Last Name |
| RETURN false |  |  |  |  |  |  |  |  |  |  |  |  |  |
| INPUT First Name, Last Name, Address, Phone, Postcode, Email, Credit Card, Card #, CCV, Expiry Month, Expiry Year |  | Simon | Johnson |  |  |  |  |  |  |  |  |  |  |
| IF (First Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Last Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Address == “”) | T |  |  |  |  |  |  |  |  |  |  |  |  |
| OUTPUT error in Address |  |  |  |  |  |  |  |  |  |  |  |  | Error in Address |
| RETURN false |  |  |  |  |  |  |  |  |  |  |  |  |  |
| INPUT First Name, Last Name, Address, Phone, Postcode, Email, Credit Card, Card #, CCV, Expiry Month, Expiry Year |  | Simon | Johnson | Adelaide, South Australia |  |  |  |  |  |  |  |  |  |
| IF (First Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Last Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Address == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Phone == “”) | T |  |  |  |  |  |  |  |  |  |  |  |  |
| OUTPUT error in Phone |  |  |  |  |  |  |  |  |  |  |  |  | Error in Phone |
| RETURN false |  |  |  |  |  |  |  |  |  |  |  |  |  |
| INPUT First Name, Last Name, Address, Phone, Postcode, Email, Credit Card, Card #, CCV, Expiry Month, Expiry Year |  | Simon | Johnson | Adelaide, South Australia | 0422184127 |  |  |  |  |  |  |  |  |
| IF (First Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Last Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Address == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Phone == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Postcode !=4) | T |  |  |  |  |  |  |  |  |  |  |  |  |
| OUTPUT error in Postcode |  |  |  |  |  |  |  |  |  |  |  |  | Error in Postcode |
| RETURN false |  |  |  |  |  |  |  |  |  |  |  |  |  |
| INPUT First Name, Last Name, Address, Phone, Postcode, Email, Credit Card, Card #, CCV, Expiry Month, Expiry Year |  | Simon | Johnson | Adelaide, South Australia | 0422184127 | 5022 |  |  |  |  |  |  |  |
| IF (First Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Last Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Address == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Phone == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Postcode !=4) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email length < 8) | T |  |  |  |  |  |  |  |  |  |  |  |  |
| OUTPUT error in Email |  |  |  |  |  |  |  |  |  |  |  |  | Error in Email |
| RETURN false |  |  |  |  |  |  |  |  |  |  |  |  |  |
| INPUT First Name, Last Name, Address, Phone, Postcode, Email, Credit Card, Card #, CCV, Expiry Month, Expiry Year |  | Simon | Johnson | Adelaide, South Australia | 0422184127 | 5022 | simonwjohnson |  |  |  |  |  |  |
| IF (First Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Last Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Address == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Phone == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Postcode !=4) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email length < 8) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email indexOf("@")== -1) | T |  |  |  |  |  |  |  |  |  |  |  |  |
| OUTPUT error in Email |  |  |  |  |  |  |  |  |  |  |  |  | Error in Email |
| RETURN false |  |  |  |  |  |  |  |  |  |  |  |  |  |
| INPUT First Name, Last Name, Address, Phone, Postcode, Email, Credit Card, Card #, CCV, Expiry Month, Expiry Year |  | Simon | Johnson | Adelaide, South Australia | 0422184127 | 5022 | simonwjohnson@ |  |  |  |  |  |  |
| IF (First Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Last Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Address == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Phone == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Postcode !=4) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email length < 8) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email indexOf("@")== -1) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email indexOf(".")== -1) | T |  |  |  |  |  |  |  |  |  |  |  |  |
| OUTPUT error in Email |  |  |  |  |  |  |  |  |  |  |  |  | Error in Email |
| RETURN false |  |  |  |  |  |  |  |  |  |  |  |  |  |
| INPUT First Name, Last Name, Address, Phone, Postcode, Email, Credit Card, Card #, CCV, Expiry Month, Expiry Year |  | Simon | Johnson | Adelaide, South Australia | 0422184127 | 5022 | simonwjohnson@gmail.com |  |  |  |  |  |  |
| IF (First Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Last Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Address == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Phone == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Postcode !=4) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email length < 8) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email indexOf("@")== -1) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email indexOf(".")== -1) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Credit Card == “”) | T |  |  |  |  |  |  |  |  |  |  |  |  |
| OUTPUT error in Credit Card |  |  |  |  |  |  |  |  |  |  |  |  | Error in Credit Card |
| RETURN false |  |  |  |  |  |  |  |  |  |  |  |  |  |
| INPUT First Name, Last Name, Address, Phone, Postcode, Email, Credit Card, Card #, CCV, Expiry Month, Expiry Year |  | Simon | Johnson | Adelaide, South Australia | 0422184127 | 5022 | simonwjohnson@gmail.com | Visa |  |  |  |  |  |
| IF (First Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Last Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Address == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Phone == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Postcode !=4) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email length < 8) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email indexOf("@")== -1) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email indexOf(".")== -1) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Credit Card == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Card # != 16) | T |  |  |  |  |  |  |  |  |  |  |  |  |
| OUTPUT error in Card # |  |  |  |  |  |  |  |  |  |  |  |  | Error in Card # |
| RETURN false |  |  |  |  |  |  |  |  |  |  |  |  |  |
| INPUT First Name, Last Name, Address, Phone, Postcode, Email, Credit Card, Card #, CCV, Expiry Month, Expiry Year |  | Simon | Johnson | Adelaide, South Australia | 0422184127 | 5022 | simonwjohnson@gmail.com | Visa | 1234123412341234 |  |  |  |  |
| IF (First Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Last Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Address == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Phone == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Postcode !=4) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email length < 8) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email indexOf("@")== -1) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email indexOf(".")== -1) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Credit Card == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Card # != 16) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (CCV != 3) | T |  |  |  |  |  |  |  |  |  |  |  |  |
| OUTPUT error in CCV |  |  |  |  |  |  |  |  |  |  |  |  | Error in CCV |
| RETURN false |  |  |  |  |  |  |  |  |  |  |  |  |  |
| INPUT First Name, Last Name, Address, Phone, Postcode, Email, Credit Card, Card #, CCV, Expiry Month, Expiry Year |  | Simon | Johnson | Adelaide, South Australia | 0422184127 | 5022 | simonwjohnson@gmail.com | Visa | 1234123412341234 | 333 |  |  |  |
| IF (First Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Last Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Address == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Phone == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Postcode !=4) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email length < 8) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email indexOf("@")== -1) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email indexOf(".")== -1) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Credit Card == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Card # != 16) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (CCV != 3) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Expiry Month == “”) | T |  |  |  |  |  |  |  |  |  |  |  |  |
| OUTPUT error in Expiry Month |  |  |  |  |  |  |  |  |  |  |  |  | Error in Expiry Month |
| RETURN false |  |  |  |  |  |  |  |  |  |  |  |  |  |
| INPUT First Name, Last Name, Address, Phone, Postcode, Email, Credit Card, Card #, CCV, Expiry Month, Expiry Year |  | Simon | Johnson | Adelaide, South Australia | 0422184127 | 5022 | simonwjohnson@gmail.com | Visa | 1234123412341234 | 333 | 05 |  |  |
| IF (First Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Last Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Address == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Phone == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Postcode !=4) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email length < 8) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email indexOf("@")== -1) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email indexOf(".")== -1) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Credit Card == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Card # != 16) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (CCV != 3) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Expiry Month == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Expiry Year == “”) | T |  |  |  |  |  |  |  |  |  |  |  |  |
| OUTPUT error in Expiry Month |  |  |  |  |  |  |  |  |  |  |  |  | Error in Expiry Month |
| RETURN false |  |  |  |  |  |  |  |  |  |  |  |  |  |
| INPUT First Name, Last Name, Address, Phone, Postcode, Email, Credit Card, Card #, CCV, Expiry Month, Expiry Year |  | Simon | Johnson | Adelaide, South Australia | 0422184127 | 5022 | simonwjohnson@gmail.com | Visa | 1234123412341234 | 333 | 05 | 2022 |  |
| IF (First Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Last Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Address == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Phone == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Postcode !=4) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email length < 8) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email indexOf("@")== -1) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email indexOf(".")== -1) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Credit Card == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Card # != 16) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (CCV != 3) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Expiry Month == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Expiry Year == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF(Expiry Year == current Year(IF Expiry Month < current Month)) | T |  |  |  |  |  |  |  |  |  |  |  |  |
| OUTPUT error in Expiry Month |  |  |  |  |  |  |  |  |  |  |  |  | Error in Expiry Month |
| RETURN false |  |  |  |  |  |  |  |  |  |  |  |  |  |
| INPUT First Name, Last Name, Address, Phone, Postcode, Email, Credit Card, Card #, CCV, Expiry Month, Expiry Year |  | Simon | Johnson | Adelaide, South Australia | 0422184127 | 5022 | simonwjohnson@gmail.com | Visa | 1234123412341234 | 333 | 06 | 2022 |  |
| IF (First Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Last Name == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Address == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Phone == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Postcode !=4) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email length < 8) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email indexOf("@")== -1) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Email indexOf(".")== -1) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Credit Card == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Card # != 16) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (CCV != 3) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Expiry Month == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF (Expiry Year == “”) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| IF(Expiry Year == Current Year(IF Expiry Month < Current Month)) | F |  |  |  |  |  |  |  |  |  |  |  |  |
| OUTPUT correct |  |  |  |  |  |  |  |  |  |  |  |  | Correct |
| RETURN true |  |  |  |  |  |  |  |  |  |  |  |  |  |

Testing Screenshots:

|  |  |  |
| --- | --- | --- |
| Graphical user interface  Description automatically generated with medium confidence | Graphical user interface, diagram  Description automatically generated | Graphical user interface, diagram  Description automatically generated |
| Graphical user interface, diagram  Description automatically generated with medium confidence | Graphical user interface  Description automatically generated | Graphical user interface  Description automatically generated |
| Graphical user interface  Description automatically generated | Graphical user interface  Description automatically generated | Graphical user interface  Description automatically generated |
| Graphical user interface  Description automatically generated | Graphical user interface  Description automatically generated | Graphical user interface  Description automatically generated |
| Graphical user interface  Description automatically generated | Graphical user interface  Description automatically generated |  |
|  |  |  |
| Graphical user interface  Description automatically generated | Graphical user interface  Description automatically generated |  |

Debugging Screenshots:

Text

Description automatically generated Text

Description automatically generated

Graphical user interface

Description automatically generated