**Pseudocode**

1 PROGRAM form

2 INPUT // firstName, lastName, email, post, card, cardNumber, cvv, month, year

3 onsubmit = DO return validateFeldsets()

4 onclick=validateForm()

5 var givenName

6 var familyName

7 var mail

8 var postcode

9 var card

10 var cardNumber

11 var cvv

12 var year

13 var month

14 IF firstName==””

15

END

MODULE validateForm()

DO

VAR choice=0, correctValue=false

INPUT choice

Case ==1

window.open(…) correctValue=true

BREAK

Case==2

window.open(…) correctValue=true

BREAK

Case==3

Window.open(…), correctValue=true

Default ALERT ()

BREAK

WHILE correctValue==false

END validateForm()

**Desk check**

Test data

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  | **OUTPUT** |
|  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Statement** | **logical** |  |  |  |  | **OUTPUT** |
| INPUT |  |  |  |  |  |  |
| IF | T |  |  |  |  |  |
| OUTPUT error |  |  |  |  |  |  |
| RETURN false |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **INPUT** | **VALUE** | | | | | | | | | | | **OUTPUT** |
| **If(isNaN(postCode.value))** | **!isNaN** | **“ “** | **!@** | **!“.”** | **>7** | **mail.value.length==4** |  |  |  |  |
| givenName | T |  |  |  |  |  |  |  |  |  |  |  |
| givenName |  |  |  |  |  |  |  |  |  |  |  |  |
| mail |  |  |  |  |  |  |  |  |  |  |  |  |
| mail |  |  |  |  |  |  |  |  |  |  |  |  |
| postCode | T |  |  |  |  |  |  |  |  |  |  |  |
| postCode | F |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **givenName** | **familyName** | **postCode** | **mail** | **card** | **cardVerifVal** | **cardnumber** | **ccv** | **exMonth** | **exYear** | **OUTPUT** |
|  |  |  |  |  |  |  |  |  |  | error in firstname |
| Cevallos |  |  |  |  |  |  |  |  |  | error in lastname |
| Cevallos | Roberto |  |  |  |  |  |  |  |  | error in userID |
| Cevallos | Roberto | 5009 |  |  |  |  |  |  |  | error in email |
| Cevallos | Roberto | 5009 | Cevallos.Roberto |  |  |  |  |  |  | error in email |
| Cevallos | Roberto | 5009 | Cevallos.Roberto@ |  |  |  |  |  |  | error in postcode |
| Cevallos | Roberto | 5009 | Cevallos.Roberto@ |  |  |  |  |  |  | error in paymenttype |
| Cevallos | Roberto | 5009 | Cevallos.Roberto@ |  |  |  |  |  |  | error in cardnumber |
| Cevallos | Roberto | 5009 | Cevallos.Roberto@ |  |  |  |  |  |  | error in cardnumber |
| Cevallos | Roberto | 5009 | Cevallos.Roberto@ |  |  |  |  |  |  | error in ccv |
| Cevallos | Roberto | 5009 | Cevallos.Roberto@ |  |  |  |  |  |  | error in exMonth |
| Cevallos | Roberto | 5009 | Cevallos.Roberto@ |  |  |  |  |  |  | error in exYear |
| Cevallos | Roberto | 5009 | Cevallos.Roberto@ |  |  |  |  |  |  | error in exMonth exYear |