**TEST CASE & PSUEDOCODE:**

First Name: Barry

Last Name: Bill

DOB: 12/12/1996

Permit Number: 1

Date of Application: 4/09/16

Email: [testemail@test.test](mailto:testemail@test.test)

Phone: 0412345678

**--- APPLYING FOR PERMIT ---**

**FIRST NAME FIELD**

1. Input: “Barry13”  
   Output: “AssertionError: 'bary' != 'barry13' ” Contains numbers
2. Input: “ASDFGHJKLASDFG”  
   Output: “Limit reached: Over 13 characters”
3. Input: “Barry ”  
   Output: True, (trimmed)
4. Input: “Barry Jenkins Leroy Bill”  
   Output: “Limit reached: Over 13 characters”
5. Input: N/A  
   Output: “”

**LAST NAME FIELD**

1. Input: “Bill13”  
   Output: “AssertionError: 'bill' != 'bill13' ” Contains numbers
2. Input: “ASDFGHJKLASDFG”  
   Output: “Limit reached: Over 13 characters”
3. Input: “Bill ”  
   Output: True, (trimmed)

**AGE FIELD**

1. Age Input: 1/1/2015  
   Output: “Must be over 17 to apply for permits”
2. Input: ‘nineteen’  
   Output: “AssertionError: ‘nineteen’ != 12/12/1996” – Use numbers
3. Input: N/A  
   Output: “Select an age”

**TYPE FIELD**

1. Input: Visitor  
   Output: “Apply through Department”
2. Input: “3”  
   Output: “AssertionError: ‘3’ != 'Student' ” Contains numbers
3. Input: N/A  
   Output: “Select a type”

**DURATION FIELD**

1. Input: N/A  
   Output: “Select a duration”
2. Input: “2”  
   Output: “AssertionError: ‘2’ != 'Monthly' ” Contains numbers
3. Input: “Weekly”  
   Output: “AssertionError: ‘Weekly’ != 'Daily|Monthly|Yearly' ” Must be one of three
4. Start Date Input: September 2016  
   Output: “AssertionError: ‘September 2016’ != '4/09/2016' ” Must be in date format
5. Start Date Input: 3||5/09/2016  
   Output: “AssertionError: ‘3||5/09/2016’ != ‘current date’ ”
6. End Date Input: N/A  
   Output: “Select an end date”

**DETAILS FIELD**

1. Phone Input: N/A  
   Output: “Enter a phone number”
2. Phone Input: zero-four-one-two-three-four-etc.  
   Output: “AssertionError: ‘zero-four-one-two-three-four-etc’ != ‘041234etc.’ ”
3. Email Input: N/A  
   Output: “Enter an email”
4. Email Input: testemail@test  
   Output: “AssertionError: ‘testemail@test’ != ‘testemail@test.test’ ” Not Valid format
5. Purpose Input: N/A  
   Output: “Enter purpose” -This field may have any input

**DEPARTMENT FIELD**

1. Input: SEF  
   Output: “AssertionError: ‘SEF’ != ‘Science and Engineering Faculty’”
2. Input: N/A  
   Output: “Select a Department”

**PAYMENT FIELD**

1. Input: N/A  
   Output: “Enter account number”
2. Input: a12345  
   Output: “AssertionError: ‘a12345” != ‘12345’” Digits only

**--- PERMIT AND SITE INFORMATION ---**

1. Input: RetrievePermitNumber[1]  
   Output: “1”
2. Input: RetrieveProfileInfo  
   Output: “Profile Info”
3. Input: RetrieveUpdateInfo  
   Output: “General Info”

**--- Violations Report ---**

1. Violation Type Input: “ ”

Output: “Type Input Required”

1. Date & Time Input: “-/--/---- -:-- --”

Output: “Input required”

1. Date & Time Input: “9/14/2016 -:-- --”

Output: “Please specify time”

1. Date & Time Input: “9/14/2066 -:-- --”

Output: “Please specify current year”

1. Violation Description Input: “ “

Output: “Input required”

1. Violation Place Input: “ “

Output: “Input required”

1. Violation Department Input: “H3alth “

Output: “AssertionError: ‘H3alth’ != ‘Health” Contains numbers

1. Violation Department Input: “ “

Output: “Input required”

1. Permit Number Input: “ “

Output: “Input required”

1. Vehicle Type Input: “ “

Output: “Input required”

1. Vehicle number Input: “ “

Output: “Input required”

1. Urgency Input: “ ”

Output: “Input required”

1. Input: “ASDFGHJKLASDFG”  
   Output: “Limit reached: Over 13 characters”