TEST CASES – MINI PROJECT.

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To ensure that validation of email password and phone number are properly evaluated here are test cases I have to put together to ensure the system put in place will be as efficient as possible.

**TEST CASE 1: VALIDATE EMAIL FORMAT (INVALID INPUT)**

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| **TEST CASE ID** | TC1 |
| **TITLE** | INVALID EMAIL FORMAT |
| **DESCRIPTION** | ENSURE SYSTEM REJECTS IVALID EMAIL FORMAT |
| **PRECONDITIONS** | USER IS TRYIN TO FILL THE SIGN UP FORM, AND HAS LOADED PAGE SUCCESSFULLY |
| **TEST STEPS** | STEP 1: ENTER A INVALID EMAIL FORMAT (eg, user.com, user@, [user@.com](mailto:user@.com)  STEP2: CLICK THE “SUBMIT” BUTTON |
| **EXPECTED RESULTS** | ERROR MESSAGE SAYING “INCORRECT EMAIL” “EMAIL FORMAT NOT RECOGNISED” |
| **TEST DATA** | INVALID EMAIL FORMATS: user.com, user@, user@.com |

**TEST CASE 2: VALIDATING EMAIL FORMAT (VALID FORMAT)**

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| **TEST CASE ID** | TC2 |
| **TITLE** | VALID EMAIL FORMAT |
| **DESCRIPTION** | ENSURE SYSTEM ACCEPTS CORRECT EMAIL DETAILS |
| **PRECONDITIONS** | USER IS TRYIN TO FILL THE SIGN UP FORM, AND HAS LOADED PAGE SUCCESSFULLY |
| **TEST STEPS** | STEP1: ENTER A VALID EMAIL (eg. [user@ourmail.com](mailto:user@ourmail.com)  STEP2: CLICK “SUBMIT” |
| **EXPECTED RESULTS** | EMAIL INPUT IS ACCEPTED AND USER IS DIRECTED TO THE NEXT STEP |
| **TEST DATA** | **VALID EMAIL FORMATS: “user@ourmail.com”** |

**TEST CASE 3: VALIDATING PASSWORD STRENGTH (INVALID INPUT)**

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| **TEST CASE ID** | TC3 |
| **TITLE** | VALIDATE WEAK PASSWORD |
| **DESCRIPTION** | THIS TEST CASE SHOULD ENSURE THE SYSTEM ENFORCES PASSWORD STRENGTH REQUIREMENTS. |
| **PRECONDITIONS** | USER IS SETTING PERSONAL PASSWORD ON SIGN UP PAGE |
| **TEST STEPS** | STEP 1: ENTER A PASSWORD CONSIDERED WEAK BY THE SYSTEM ( “1234, “111111”, “FIRST NAME ONLY’ “PASSWORD”  STEP 2: CLICK “SUBMIT” |
| **EXPECTED RESULTS** | ERROR MESSAGE “PASSWORD SHOULD HAVE AT LEAST 8 CHARACTERS LONG INCLUDE A NUMBER AND SPECIAL CHARACTER” |
| **TEST DATA** | WEAK PASSWORDS: “12345” “FIRSTNAME” |

**TEST CASE 4: VALIDATE PASSWORD STRENGTH (VALID INPUT)**

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| **TEST CASE ID** | TC4 |
| **TITLE** | VALIDATE STRONG PASSWORD |
| **DESCRIPTION** | ENSURE THE SYTEM ACCEPTS STRONG PASSWORD THAT MEETS SECURITY CRITERIA |
| **PRECONDITIONS** | USER IS SETTING UP PASWORD ON SIGN UP FORM |
| **TEST STEPS** | STEP 1: ENTER VALID PASSWORD (Net2102#)  STEP 2: CLICK “SUBMIT” |
| **EXPECTED RESULTS** | PASSWORD IS ACCEPTED AND USER IS DEIRECTED TO NEXT STEPS |
| **TEST DATA** | **STRONG PASSWORD EXAMPLES (Net2102#)** |

**TES CASE 5: VALIDATE PHONE NUMBER FORMAT**

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| **TEST CASE ID** | TC5 |
| **TITLE** | VALIDATE PHONE NUMBER INPUT |
| **DESCRIPTION** | ENSURE THE SYSTEM ONLY ACCEPTS VALID NIGERIAN PHONE NUMBER FORMATS |
| **PRECONDITIONS** | USER IS ON THE SIGN UP FORM PAGE |
| **TEST STEPS** | STEP 1: ENTER AN INVALID PHONE NUMBER (+345, 10021134)  STEP 2: CLICK “SUBMIT”  STEP 3: ENTER VALID PHONE PHONE NUMBER (+234, 09011743715)  STEP 4 : CLICK “SUBMIT” |
| **EXPECTED RESULTS** | * INVALID PHONE NUMBER SHOULD TRIGGER AN ERROR MESSAGE: “PLEASE ENTER A VALID PHONE NUMBER” * VALID PHONE NUMBER SHOULD BE ACCEPTED AND USER DIRECTED TO NEXT STEP |
| **TEST DATA** | **INVALID :** +345, 10021134  **VALID :** +234, 09011743715 |