Equivalence Partition:

|  |  |  |  |
| --- | --- | --- | --- |
| **Partition ID** | **Input/Output variable** | **Valid partition** | **Invalid partition** |
| 1 | First Name | - | First Name Î {} |
| 2 | Last Name | - | Last Name Î {} |
| 3 | Email | Email ⊃ {@ and.com} | - |
| 4 | Phone Number | Phone Number  = 10 digits | - |
| 5 | Phone Number | Phone Number  Î {Integer} | - |
| 6 | Password | - | Password  < 6 characters |
| 7 | Age | Age Î {Integer} | - |
| 8 | Blood Type | Blood Type ⊃ {A+ or A- or B+ or B- or O+ or O- or AB+ or AB-} | - |
| 9 | Address | Address Î {String} | - |
| 10 | Date of Birth | Month < = 12 | - |

Test Case Specification:

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Test inputs** | **Expected output** | **Partition ID covered** |
| 1 | Null | “Required” | 1 |
| 2 | Null | “Required” | 2 |
| 3 | abc@gmail.com | abc@gmail.com | 3 |
| 4 | abc | “Failed to convert from string to int” | 4 |
| 5 | 1234567890 | 1234567890 | 5 |
| 6 | \*\*\*\*\* | “Invalid Password” | 6 |
| 7 | 25 | 25 | 7 |
| 8 | P+ | “Please enter the valid blood group” | 8 |
| 9 | 701 N Indiana Avenue | 701 N Indiana Avenue | 9 |
| 10 | 11/11/1995 | 11/11/1995 | 10 |