Note: Since manual testing has been done using f12, debugger, alerts, console.log and innerHTML, a formal unit test or edge case has not been written. What is instead given is a list of possible scenarios tested with the written code. These scenarios or possible situations have been addressed and incorporated into the code.

**UNIT TEST CASE SCENARIOS**

USERNAME

1. Username should be an email and follow the normal email pattern.
2. Username cannot be more than 56 characters long.
3. It cannot be blank

PASSWORD

1. Password cannot be blank. It has to be of minimum length of 6 characters.

CONFIRM PASSWORD

1. This field should match with the Password field and cannot be blank.

FIRST NAME

1. It cannot be left blank.
2. Cannot be more than 50 characters long.
3. Should contain only letters. No numbers or special characters.

LAST NAME

1. It may be left blank.
2. Cannot be more than 50 characters long.
3. Should contain only letters. No numbers or special characters.

BIRTHDAY

1. It is a MM/DD/YYYY patterned field as visible on screen.
2. Age has to be within the range. (>14 years, < 150 years)
3. Manual testing done for checking invalid dates like month 13 or 14 or 15.
4. Manual testing done for checking invalid date like 30th Feb 2005
5. Manual testing done for checking invalid date like 31st April
6. If user enters in any other format like YYYY/MM/DD, it will throw an error msg pop-up.
7. This field cannot be left blank.

**EDGE CASE SCENARIOS**

**This testing is especially for the field Birthday.**

1. Age has to be within the range. (>14 years, < 150 years)
2. Tested for invalid date like 20/20/2005
3. Tested for date range like 01/04/1765
4. Tested for date range of below 14 years
5. Manual testing done for checking invalid dates like month 13 or 14 or 15.
6. Manual testing done for checking invalid date like 30th Feb 2005
7. Manual testing done for checking invalid date like 31st April
8. If user enters in any other format like YYYY/MM/DD, it will throw an error msg pop-up.