**Lab 3, (muhis511, adith054)**

**Part 1: Charter 1 for puzzle 1**

Blue knob **Charter:**

We Analyze PUZZLE 12 functionality and behavior.

#Area

Strategy: Functional Testing

Strategy: Functional Analysis

**Start:**

10/07/2020 03:47 pm

**Tester:**

Muhammad Ismail (muhis511)

Aditya Thanekar (adith054)

**Task Breakdown:**

#Duration

Short

**Data Files:**

#N/A

**Test Notes:**

1. When we press button 1 it turn on the light 1, but light 2 remain off.
2. Then we press button 2 it turn on the light 2 but turn off the light 1.
3. We press button one again it turn on light 1 but it doesn’t effect light 2 and now both lights are on.
4. We press button 2, this turn off light 1, when we press it again it also turn off the light 2.
5. When both light are off and we press button 2 it doesn’t affect any changes.
6. So button 1 effecting only light 1, but button 2 effecting both lights, like if light 1 is on and we press button 2 it turn off light 1 and turn on light 2, if light 2 is already on and light one is also on. And we press button 2, it turn off light 1 and then next press will turn off light 2.

View:

Two green lights

Two Red buttons

Risks:

#N/A

**Bugs:**

#N/A

**Issues:**

#N/A

Red knob **Charter:**

We Analyze PUZZLE 12 functionality and behavior.

#Area

Strategy: Functional Testing

Strategy: Functional Analysis

**Start:**

10/07/2020 03:47 pm

**Tester:**

Muhammad Ismail (muhis511)

Aditya Thanekar (adith054)

**Task Breakdown:**

#Duration

Short

**Data Files:**

#N/A

**Test Notes:**

1. When we press button 1 it turn on the light 1, but light 2 remain off.
2. Then we press button 2 it turn on the light 2 but turn off the light 1.
3. We press button one again it turn on light 1 but it doesn’t effect light 2 and now both lights are on.
4. We press button 2, this turn off light 1, when we press it again it also turn off the light 2.
5. When both light are off and we press button 2 it doesn’t affect any changes.
6. So button 1 effecting only light 1, but button 2 effecting both lights, like if light 1 is on and we press button 2 it turn off light 1 and turn on light 2, if light 2 is already on and light one is also on. And we press button 2, it turn off light 1 and then next press will turn off light 2.

View:

Two green lights

Two Red buttons

Risks:

#N/A

**Bugs:**

#N/A

**Issues:**

#N/A

Vertical slider

**Charter:**

We Analyze PUZZLE 12 functionality and behavior.

#Area

Strategy: Functional Testing

Strategy: Functional Analysis

**Start:**

10/07/2020 03:47 pm

**Tester:**

Muhammad Ismail (muhis511)

Aditya Thanekar (adith054)

**Task Breakdown:**

#Duration

Short

**Data Files:**

#N/A

**Test Notes:**

1. When we press button 1 it turn on the light 1, but light 2 remain off.
2. Then we press button 2 it turn on the light 2 but turn off the light 1.
3. We press button one again it turn on light 1 but it doesn’t effect light 2 and now both lights are on.
4. We press button 2, this turn off light 1, when we press it again it also turn off the light 2.
5. When both light are off and we press button 2 it doesn’t affect any changes.
6. So button 1 effecting only light 1, but button 2 effecting both lights, like if light 1 is on and we press button 2 it turn off light 1 and turn on light 2, if light 2 is already on and light one is also on. And we press button 2, it turn off light 1 and then next press will turn off light 2.

View:

Two green lights

Two Red buttons

Risks:

#N/A

**Bugs:**

#N/A

**Issues:**

#N/A

Button 1 **Charter:**

We Analyze PUZZLE 12 functionality and behavior.

#Area

Strategy: Functional Testing

Strategy: Functional Analysis

**Start:**

10/07/2020 03:47 pm

**Tester:**

Muhammad Ismail (muhis511)

Aditya Thanekar (adith054)

**Task Breakdown:**

#Duration

Short

**Data Files:**

#N/A

**Test Notes:**

1. When we press button 1 it turn on the light 1, but light 2 remain off.
2. Then we press button 2 it turn on the light 2 but turn off the light 1.
3. We press button one again it turn on light 1 but it doesn’t effect light 2 and now both lights are on.
4. We press button 2, this turn off light 1, when we press it again it also turn off the light 2.
5. When both light are off and we press button 2 it doesn’t affect any changes.
6. So button 1 effecting only light 1, but button 2 effecting both lights, like if light 1 is on and we press button 2 it turn off light 1 and turn on light 2, if light 2 is already on and light one is also on. And we press button 2, it turn off light 1 and then next press will turn off light 2.

View:

Two green lights

Two Red buttons

Risks:

#N/A

**Bugs:**

#N/A

**Issues:**

#N/A

Button 1 **Charter:**

We Analyze PUZZLE 12 functionality and behavior.

#Area

Strategy: Functional Testing

Strategy: Functional Analysis

**Start:**

10/07/2020 03:47 pm

**Tester:**

Muhammad Ismail (muhis511)

Aditya Thanekar (adith054)

**Task Breakdown:**

#Duration

Short

**Data Files:**

#N/A

**Test Notes:**

1. When we press button 1 it turn on the light 1, but light 2 remain off.
2. Then we press button 2 it turn on the light 2 but turn off the light 1.
3. We press button one again it turn on light 1 but it doesn’t effect light 2 and now both lights are on.
4. We press button 2, this turn off light 1, when we press it again it also turn off the light 2.
5. When both light are off and we press button 2 it doesn’t affect any changes.
6. So button 1 effecting only light 1, but button 2 effecting both lights, like if light 1 is on and we press button 2 it turn off light 1 and turn on light 2, if light 2 is already on and light one is also on. And we press button 2, it turn off light 1 and then next press will turn off light 2.

View:

Two green lights

Two Red buttons

Risks:

#N/A

**Bugs:**

#N/A

**Issues:**

#N/A

Button 1 **Charter:**

We Analyze PUZZLE 12 functionality and behavior.

#Area

Strategy: Functional Testing

Strategy: Functional Analysis

**Start:**

10/07/2020 03:47 pm

**Tester:**

Muhammad Ismail (muhis511)

Aditya Thanekar (adith054)

**Task Breakdown:**

#Duration

Short

**Data Files:**

#N/A

**Test Notes:**

1. When we press button 1 it turn on the light 1, but light 2 remain off.
2. Then we press button 2 it turn on the light 2 but turn off the light 1.
3. We press button one again it turn on light 1 but it doesn’t effect light 2 and now both lights are on.
4. We press button 2, this turn off light 1, when we press it again it also turn off the light 2.
5. When both light are off and we press button 2 it doesn’t affect any changes.
6. So button 1 effecting only light 1, but button 2 effecting both lights, like if light 1 is on and we press button 2 it turn off light 1 and turn on light 2, if light 2 is already on and light one is also on. And we press button 2, it turn off light 1 and then next press will turn off light 2.

View:

Two green lights

Two Red buttons

Risks:

#N/A

**Bugs:**

#N/A

**Issues:**

#N/A

Button 1 **Charter:**

We Analyze PUZZLE 12 functionality and behavior.

#Area

Strategy: Functional Testing

Strategy: Functional Analysis

**Start:**

10/07/2020 03:47 pm

**Tester:**

Muhammad Ismail (muhis511)

Aditya Thanekar (adith054)

**Task Breakdown:**

#Duration

Short

**Data Files:**

#N/A

**Test Notes:**

1. When we press button 1 it turn on the light 1, but light 2 remain off.
2. Then we press button 2 it turn on the light 2 but turn off the light 1.
3. We press button one again it turn on light 1 but it doesn’t effect light 2 and now both lights are on.
4. We press button 2, this turn off light 1, when we press it again it also turn off the light 2.
5. When both light are off and we press button 2 it doesn’t affect any changes.
6. So button 1 effecting only light 1, but button 2 effecting both lights, like if light 1 is on and we press button 2 it turn off light 1 and turn on light 2, if light 2 is already on and light one is also on. And we press button 2, it turn off light 1 and then next press will turn off light 2.

View:

Two green lights

Two Red buttons

Risks:

#N/A

**Bugs:**

#N/A

**Issues:**

#N/A

Button 1 **Charter:**

We Analyze PUZZLE 12 functionality and behavior.

#Area

Strategy: Functional Testing

Strategy: Functional Analysis

**Start:**

10/07/2020 03:47 pm

**Tester:**

Muhammad Ismail (muhis511)

Aditya Thanekar (adith054)

**Task Breakdown:**

#Duration

Short

**Data Files:**

#N/A

**Test Notes:**

1. When we press button 1 it turn on the light 1, but light 2 remain off.
2. Then we press button 2 it turn on the light 2 but turn off the light 1.
3. We press button one again it turn on light 1 but it doesn’t effect light 2 and now both lights are on.
4. We press button 2, this turn off light 1, when we press it again it also turn off the light 2.
5. When both light are off and we press button 2 it doesn’t affect any changes.
6. So button 1 effecting only light 1, but button 2 effecting both lights, like if light 1 is on and we press button 2 it turn off light 1 and turn on light 2, if light 2 is already on and light one is also on. And we press button 2, it turn off light 1 and then next press will turn off light 2.

View:

Two green lights

Two Red buttons

Risks:

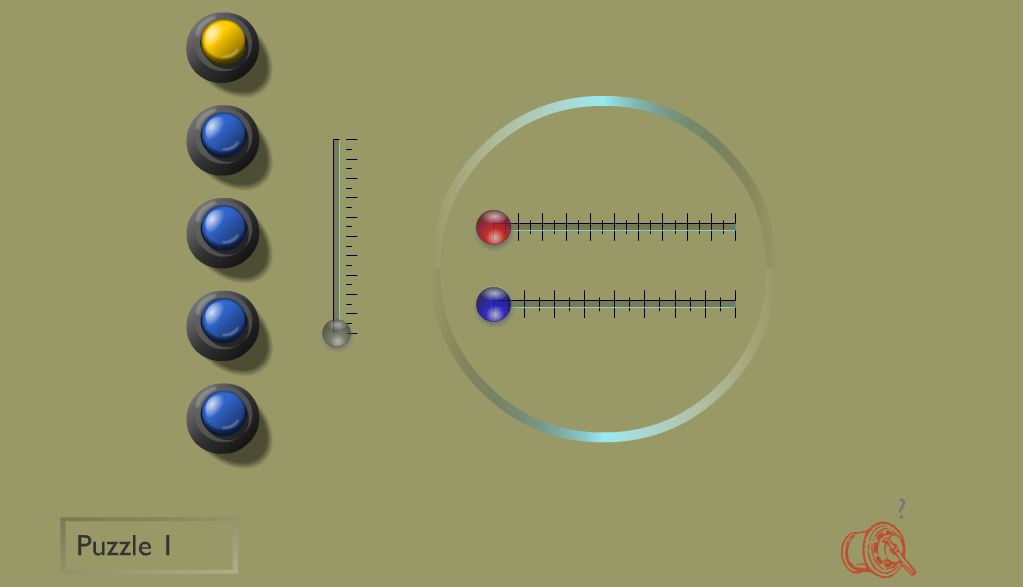
#N/A

**Bugs:**

#N/A

**Issues:**

#N/A



**Charter:**

We Analyze PUZZLE 1 functionality and behavior.

#Area

Strategy: Functional Testing

Strategy: Functional Analysis

**Start:**

10/07/2020 01:58 pm

**Tester:**

Muhammad Ismail (muhis511)

Aditya Thanekar (adith054)

**Task Breakdown:**

#Duration

Short

**Data Files:**

#N/A

**Test Notes:**

**We pressed all the button in the system, change value of vertical slider and observe the behavior of red and blue knobs. We press buttons many times to test it accurately.**

1. When we press button1 and value of vertical slider set to zero, then Red knob move ahead by fix distance and return back. But blue knob doesn’t move.
2. When we press blue button2 by same value of vertical slider as test case 1, then red knob moves to two steps forward and doesn’t move it back.
3. If we press all 4 blue buttons(2-5) by same value of vertical slider as test case 1, then it takes red knob 8 points forward
4. If we change vertical slider and press button1 then it moves red knob same like previous as test case 1 but now blue knob also shake according to the value of vertical slider.
5. If we change vertical slider and press all the blue buttons (2-5), then blue knob moves to the same position as the vertical slider. And red knob move forward to 8 steps fixed.
6. If we press blue buttons (2-5) one by one from top to bottom and also set the value of vertical slider, then it will increase red knob to two points with each blue button press. And blue knob increase half point with top button 2,& with 2nd blue button3 from top it increase 1 point the blue knob, & with 3rd button4 it increase 2 points to the blue knob, with 4th button5 it increase 4 points to the blue knob. It will not increase more than the value of vertical slider.

View:

1 Yellow button

4 Blue buttons

One vertical slider

Red knob

Blue knob

Risks:

#N/A

**Bugs:**

#N/A

**Issues:**

#N/A

**Charter 2 for puzzle 9**

Slider 1 **Charter:**

We Analyze PUZZLE 12 functionality and behavior.

#Area

Strategy: Functional Testing

Strategy: Functional Analysis

**Start:**

10/07/2020 03:47 pm

**Tester:**

Muhammad Ismail (muhis511)

Aditya Thanekar (adith054)

**Task Breakdown:**

#Duration

Short

**Data Files:**

#N/A

**Test Notes:**

1. When we press button 1 it turn on the light 1, but light 2 remain off.
2. Then we press button 2 it turn on the light 2 but turn off the light 1.
3. We press button one again it turn on light 1 but it doesn’t effect light 2 and now both lights are on.
4. We press button 2, this turn off light 1, when we press it again it also turn off the light 2.
5. When both light are off and we press button 2 it doesn’t affect any changes.
6. So button 1 effecting only light 1, but button 2 effecting both lights, like if light 1 is on and we press button 2 it turn off light 1 and turn on light 2, if light 2 is already on and light one is also on. And we press button 2, it turn off light 1 and then next press will turn off light 2.

View:

Two green lights

Two Red buttons

Risks:

#N/A

**Bugs:**

#N/A

**Issues:**

#N/A

Light 1 **Charter:**

We Analyze PUZZLE 12 functionality and behavior.

#Area

Strategy: Functional Testing

Strategy: Functional Analysis

**Start:**

10/07/2020 03:47 pm

**Tester:**

Muhammad Ismail (muhis511)

Aditya Thanekar (adith054)

**Task Breakdown:**

#Duration

Short

**Data Files:**

#N/A

**Test Notes:**

1. When we press button 1 it turn on the light 1, but light 2 remain off.
2. Then we press button 2 it turn on the light 2 but turn off the light 1.
3. We press button one again it turn on light 1 but it doesn’t effect light 2 and now both lights are on.
4. We press button 2, this turn off light 1, when we press it again it also turn off the light 2.
5. When both light are off and we press button 2 it doesn’t affect any changes.
6. So button 1 effecting only light 1, but button 2 effecting both lights, like if light 1 is on and we press button 2 it turn off light 1 and turn on light 2, if light 2 is already on and light one is also on. And we press button 2, it turn off light 1 and then next press will turn off light 2.

View:

Two green lights

Two Red buttons

Risks:

#N/A

**Bugs:**

#N/A

**Issues:**

#N/A

Button 1 **Charter:**

We Analyze PUZZLE 12 functionality and behavior.

#Area

Strategy: Functional Testing

Strategy: Functional Analysis

**Start:**

10/07/2020 03:47 pm

**Tester:**

Muhammad Ismail (muhis511)

Aditya Thanekar (adith054)

**Task Breakdown:**

#Duration

Short

**Data Files:**

#N/A

**Test Notes:**

1. When we press button 1 it turn on the light 1, but light 2 remain off.
2. Then we press button 2 it turn on the light 2 but turn off the light 1.
3. We press button one again it turn on light 1 but it doesn’t effect light 2 and now both lights are on.
4. We press button 2, this turn off light 1, when we press it again it also turn off the light 2.
5. When both light are off and we press button 2 it doesn’t affect any changes.
6. So button 1 effecting only light 1, but button 2 effecting both lights, like if light 1 is on and we press button 2 it turn off light 1 and turn on light 2, if light 2 is already on and light one is also on. And we press button 2, it turn off light 1 and then next press will turn off light 2.

View:

Two green lights

Two Red buttons

Risks:

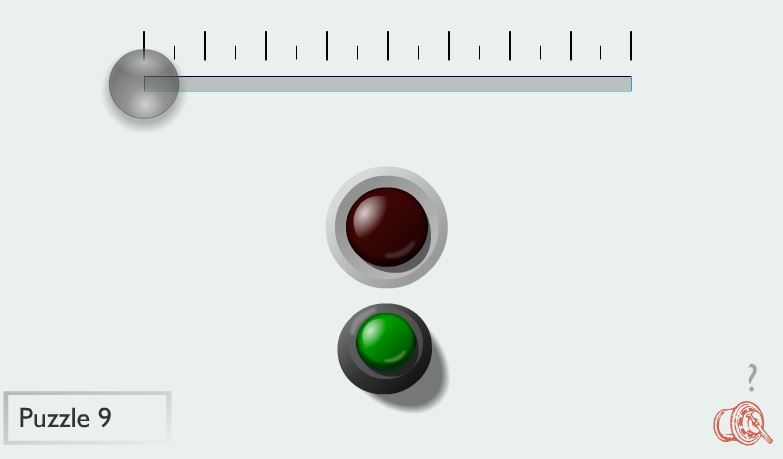
#N/A

**Bugs:**

#N/A

**Issues:**

#N/A



**Charter:**

We Analyze PUZZLE 9 functionality and behavior.

#Area

Strategy: Functional Testing

Strategy: Functional Analysis

**Start:**

10/07/2020 03:19 pm

**Tester:**

Muhammad Ismail (muhis511)

Aditya Thanekar (adith054)

**Task Breakdown:**

#Duration

Short

**Data Files:**

#N/A

**Test Notes:**

**We press button and observe the light on and off. Change slider and check note down the time of button pressing and light on and off behavior.**

1. When slider 1 was set to minimum and we press green button 1 it turn on the red light 1 and when we release the button it turn it off.
2. When we press the button 1 again with same value of slider 1 it behaves the same.
3. Now we move slider1 little forward and then press the green button1 again. It turn on the red light1 same like test case 1. But when we press button1 again (2nd time), but this time it didn’t turn it on. We let it few seconds and try again now it turn on. So it delaying between button pressings.
4. Again we increase slider1 value to maximum and then press the green button1 again, it turn on the red light1 same like case 1, but when we press it second time it take longer than the 3rd case to turn it on. Around 10 to 15 seconds delay for each press to turn on the light1. By increasing slider it directly increasing delay time between button pressings.

View:

One green button

Red light

Slider

Risks:

. #N/A

**Bugs:**

#N/A

**Issues:**

#N/A

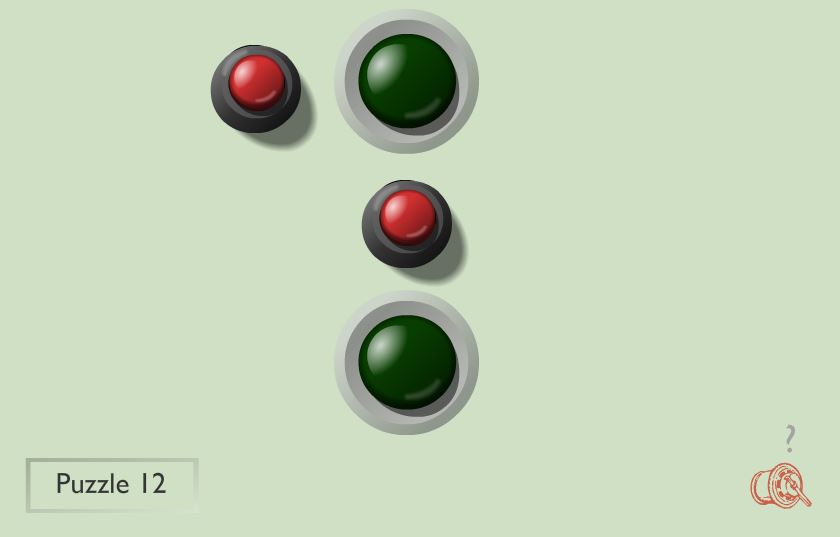
**Charter 3 for puzzle 12**

Light 2

Light 1

Button 2

Button 1



**Charter:**

We Analyze PUZZLE 12 functionality and behavior.

#Area

Strategy: Functional Testing

Strategy: Functional Analysis

**Start:**

10/07/2020 03:47 pm

**Tester:**

Muhammad Ismail (muhis511)

Aditya Thanekar (adith054)

**Task Breakdown:**

#Duration

Short

**Data Files:**

#N/A

**Test Notes:**

**We press the button with different combinations. Observe the lights turn on and off states.**

1. When we press button 1 it turn on the light 1, but light 2 remain off.
2. Then we press button 2 it turn on the light 2 but turn off the light 1.
3. We press button one again it turn on light 1 but it doesn’t effect light 2 and now both lights are on.
4. We press button 2, this turn off light 1, when we press it again it also turn off the light 2.
5. When both light are off and we press button 2 it doesn’t affect any changes.
6. So button 1 effecting only light 1, but button 2 effecting both lights, like if light 1 is on and we press button 2 it turn off light 1 and turn on light 2, if light 2 is already on and light one is also on. And we press button 2, it turn off light 1 and then next press will turn off light 2.

View:

Two green lights

Two Red buttons

Risks:

#N/A

**Bugs:**

#N/A

**Issues:**

#N/A

**Charter 4 for puzzle 13**

Light 1

Light 1

Light 1

Button 2

Button 3

Button 1 **Charter:**

We Analyze PUZZLE 12 functionality and behavior.

#Area

Strategy: Functional Testing

Strategy: Functional Analysis

**Start:**

10/07/2020 03:47 pm

**Tester:**

Muhammad Ismail (muhis511)

Aditya Thanekar (adith054)

**Task Breakdown:**

#Duration

Short

**Data Files:**

#N/A

**Test Notes:**

1. When we press button 1 it turn on the light 1, but light 2 remain off.
2. Then we press button 2 it turn on the light 2 but turn off the light 1.
3. We press button one again it turn on light 1 but it doesn’t effect light 2 and now both lights are on.
4. We press button 2, this turn off light 1, when we press it again it also turn off the light 2.
5. When both light are off and we press button 2 it doesn’t affect any changes.
6. So button 1 effecting only light 1, but button 2 effecting both lights, like if light 1 is on and we press button 2 it turn off light 1 and turn on light 2, if light 2 is already on and light one is also on. And we press button 2, it turn off light 1 and then next press will turn off light 2.

View:

Two green lights

Two Red buttons

Risks:

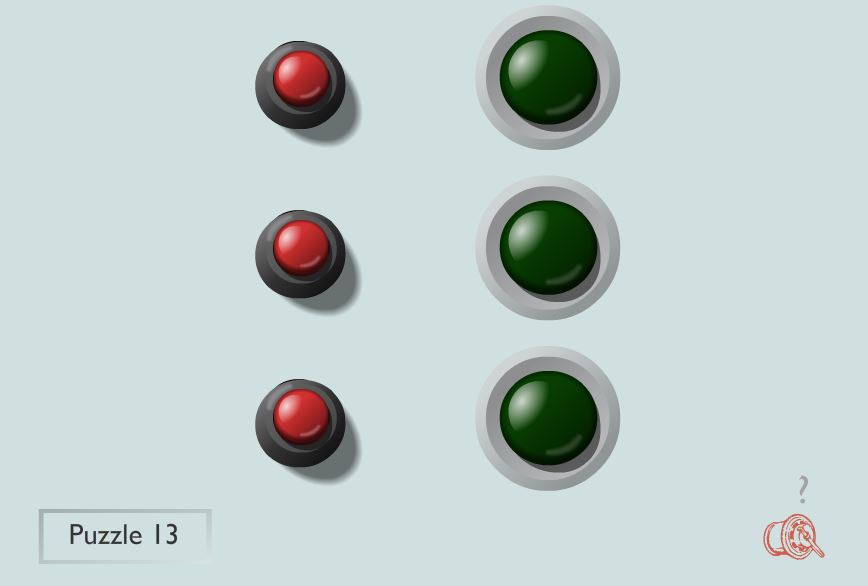
#N/A

**Bugs:**

#N/A

**Issues:**

#N/A



**Charter:**

We Analyze PUZZLE 13 functionality and behavior.

#Area

Strategy: Functional Testing

Strategy: Functional Analysis

**Start:**

10/07/2020 04:31 pm

**Tester:**

Muhammad Ismail (muhis511)

Aditya Thanekar (adith054)

**Task Breakdown:**

#Duration

Short

**Data Files:**

#N/A

**Test Notes:**

**We touches all the buttons with different combinations, and many times to check the effect of buttons on lights. And note down the lights behavior with specific buttons and also others.**

1. In start of testing all lights are off. When we press button 1, it turn on all three lights. And if we press it again it turn off all lights.
2. When we press button 2 it turn on or off the light 2. Means changing it from off to on or on to off. And doesn’t effecting others.
3. When we press button 3, if all lights are off it effect nothing, but if one of the lights is on and we press button 3 it shift on state to next light and off the current one. If press again do the same and circulate light to next light. E.g. if light one was on and light 2, 3 are off. By pressing button3 it turn on light 2 and off light 1, 3. If we press it again it turn on light 3 and off 1, 2. If we press again it turn on 1 and off 2, 3. Vice versa
4. If two lights are on and one is off e.g., light 1, 2 are on and light 3 are off. By pressing button 3 it turn off light 1 and turn on light 2,3. If we press it again, it turn off 2 and turn on light 1, 3 and vice versa.
5. If light 1, 3 are on and we press button 1 then it turn off both lights 1,3 and turn on light 2, by pressing it again it turn off 2 and turn on 1,3 vice versa.
6. Button 2 is use only for light 2. Not any effect on other lights.

View:

Three green lights

Three Red buttons

Risks:

#N/A

**Bugs:**

#N/A

**Issues:**

#N/A

**Part 2 (Google translate)**

**Charter:**

Analyze google translate and analyze working, risk and behavior of application.

#Area

Strategy: Functional Testing

Strategy: Functional Analysis

**Start:**

10/07/2020 05:15 pm

**Tester:**

Muhammad Ismail (muhis511)

Aditya Thanekar (adith054)

**Task Breakdown:**

#Duration

Short

**Data Files:**

#N/A

**Test Notes:**

**We test different language selection, text input, observer output, give wrong inputs and check history, switch languages and mainly focus on outputs.**

1. In start we selected text and English language as input and output put language as Hindi.
2. We add some text in input box, it translate it into output language. That was almost correct, but sometimes it generate wrong meanings.
3. Then we try to translate it into another language, Urdu. The results are almost correct with some changes.
4. Then we press switch button and check it, that it is same as input given by us or not.

View:

Document or Text selection buttons

Suggested languages for input and output

Input box

Output box

Switch button to change language

History

Saved

Group

Risks:

Wrong conversion of language if meaning is not translated correctly.

Meaning changes with synonym.

**Bugs:**

#N/A

**Issues:**

Larger files and text more then 5000, can’t translate.