Test-Plan(Weather):

Variables
Bool Alarm;
Bool Condition;
Int temperature;

Functionality:

- Alarm – The weather will contain the trigger on the safety alarm because it has the power to make the bluff unstable
    - This will go off if there is a heaver rain, thick fog, or high wind in by the train bluffs.
    - Alarm output will give the signal to the safety, will undergo to the security and will be posted on the website.
- Condition – This will give what kind of condition does the bluffs has
    - Condition such as the unstable bluff is visible and unsafe to be in it.
    - This will test and see if the train can go pass through the bluffs.
- Temperature – this will output a numerical temperature on the location of the bluffs.
    - Example: if temperature < 67F. meaning it has a cool temperature
    - If Temperature > 68. Meaning it is warm
    - Depending on the temperature, this can predict what kind of weather will be present in the day

Weather As a Whole:

- The weather will determine pre-condition of the bluff
- This has the power to trigger the alarm on the safety function
- All the data gathered and got on this function will be passed down to the different function to get checked and to be posted on the website and to be stored in the storage.