# Everon Assigment:

## **Question 1: User story**

* **Is there enough information for development and testing?**
  + There is no enough information provided to be ready for development as well as testing.
* **What is missing?**
  + The following requirements are missing:
    - What are the mandatory fields in the form? As the following should be mandatory to submit the form:
      1. Client Name. (First and last if they will be two fields OR his full name if the name filed will represent both)
      2. Client Mobile number
      3. Client Email Address.
      4. Client address to where his item will be delivered if found.
      5. Item description.
      6. Location where the item was lost.
      7. Report Time.
      8. Report Date.
    - Regarding the client there should be a specific section for his data containing the following:
      1. The name in the current requirements, is it a field for his full name or there should be first name and last input fields.
      2. The client should provide this contact information:
         * Email
         * Mobile Number
         * Phone Number (if exists)
         * Address
    - The date mentioned in the current requirements, is it for the date of reporting the lost item or the date when the item was lost in the first place.
    - The time mentioned in the current requirements, is it for the time of reporting the lost item or the time when the item was lost in the first place.
    - The location where the item was lost.
    - How to deliver the lost item if found.
    - We can add a tag to the form to state the item’s type (ex:Money,Mobile,etc…).
    - For the image of the lost item, what if the client doesn’t have an image for the item? (this field shouldn’t be a mandatory one).
    - There should be time range for reporting the lost items as the form shouldn’t accept an item that has been lost year ago.
    - Where should the client be directed after submitting the form?
    - There should be verification process to verify that this item wasn’t reported before by the same client or to make sure that this item was lost (the verification might be another user story).
    - The client should receive a request number for his request so that he can track his lost item after his request get verified.
    - Verification process should have time frame before the request number be sent to the client. (ex:24 hours to be stated to the user until he gets his request number if his request got verified).
    - The date and time shouldn’t be an input fields; The date should be provided in date format “ex: DD/MM/YY” and the time should be provided in time format “ex: HH:MM:SS”.

## **Question 2: Propose a solution on how the user story can be improved**

**It should be reported in a form of agile user story as the following:**

As a client I want to be able to report a lost item so that I can find my reported item.

**Acceptance Criteria:**

* + The mandatory fields MUST all be provided:
    - Client Mobile number.
    - Client Email Address.
    - Client address to where his item will be delivered if found.
    - Item description.
    - Location where the item was lost.
    - Report Time.
    - Report Date.
  + The request should be verified within specific time frame (ex:24 hours) before sending the request number to the client.
  + The client should receive a confirmation message/email for his request after submitting. (confirm that his request was submitted but still pending verification).
  + The item shouldn’t be duplicated on the lost items list.
  + The time stated is for the time when the item was lost.
  + The date stated is for the date when the item was lost.
  + The date should be in a date format “ex:DD/MM/YY”.
  + The time should be in a time format “ex:HH:MM:SS”.
  + A confirmation message/email should be sent to the client after submitting his request that it has been submitted and in the verification process.
  + An email or a message should be sent with his request number if the client request has been approved so he can track his reported item.
  + The client should be redirected to the home page after receiving a confirmation message.
  + After verification process and that the item got added to the lost list; Client should be able to search for his reported item within the list using his request number (the details of the lost items list could be added as another user story).

## **Question 3: Write a checklist on what has to be tested based on the current requirements**

**Test Case #1:**

* + Check that when the client browses to the “Lost&Found” website he can find a “Register Lost Item” form.

**Test Case #2:**

* + Check that the form for register a lost item should contain the following fields based on the current requirements:
    - Client Name input field.
    - Date input field.
    - Time input field.
    - Description input field.
    - Image field.

**Test Case #3:**

* + Check that after the user submits his request, the reported item has been added to the lost items list.

**Test Case #4:**

* + Check that the user can’t submit an empty form.

**Test Case #5:**

* + Check that all fields mentioned provided in a correct format.

**Test Case #6:**

* + Check that the image field is an upload file button.

**Test Case #7:**

* + Check that if there are mandatory fields, they must be provided before submitting the form.

## **Question 4: Coding Assignment**

Kindly find the repository for the automated script here:

**URL:** <https://github.com/suhilaahmed/Everon-E2E-Tests.git>

**Please note the following:**

* The automation framework has been implemented to automate the whole website but for now it **only** has the required POC implemented.
* All the test cases have passed except for one test case “**submit request help form with valid credentials**” that is failing now because of the **reCAPTCHA** inside the form that won’t allow the automation script to pass unless it would be removed from the form by the developers for the purpose of testing environment and please hint I couldn’t provide a reCAPTCHA skipping solution as it will be considered as a hack and will penetrate the website security.