**AcmeCorpAPI – Integration Tests**

**Test Create Customer:**

**Desired Functionality:** This interface should process the submission of the Create Customer. It will perform simple checking of each field to ensure proper information for each of its members.

|  |  |
| --- | --- |
| **Field** | **Requirement** |
| Name | Non-empty String – Required Field |
| Phone | Non-empty String – Required Field |
| E-mail | Non-empty String – Required Field |
| Address | Non-empty String – Required Field |

|  |  |
| --- | --- |
| **Test Steps** | **Result** |
| Fill in Name | FAIL: No name typed (blanked) |
| Fill in Phone | FAIL: No phone number typed (blanked) |
| Fill in both Name and Phone | FAIL: No email typed (blanked) |
| Fill in both Name and Phone | FAIL: No Address typed |
| Fill in E-mail | FAIL: No email typed (blanked) |
| Fill in Address | FAIL: No address typed (blanked) |
| Fill in both E-mail and Address | FAIL: No Name typed |
| Fill in both E-mail and Address | FAIL: No Phone typed |
| Fill in all fields | SUCCESS |

**Test Create Contact Information:**

**Desired Functionality:** This interface should process the submission of the Create contact information of the customer. It will perform checking to ensure that when customer is created, its contact information is created in database.

* When Customer is created by the User, the customer’s contact information is also created in the database.

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| --- | --- |
| **Test Steps** | **Result** |
| Fill in Name | FAIL: No name typed (blanked) |
| Fill in Phone | FAIL: No phone number typed (blanked) |
| Fill in both Name and Phone | FAIL: No email typed (blanked) |
| Fill in both Name and Phone | FAIL: No Address typed |
| Fill in E-mail | FAIL: No email typed (blanked) |

* If User doesn’t enter the required fields (Name, Phone, Email and Address), the contact information of the customer is not created as well.
* It is necessary for the User to enter all of the required fields to able to Customer and it’s contact information successfully.

**Test Update Customer and Contact Information:**

**Desired Functionality:** This interface should process the submission of the update the customer and it’s contact information. As the customer is created, it’s contact information is also created in the database. The logic should be same when User alters/updates the customer’s details, it’s contact information also changes.

* When User enters the ID of customer that is to be updated, User changes the information.

|  |  |
| --- | --- |
| **Field** | **Requirement** |
| Name | Non-empty String – Required Field |
| Phone | Non-empty String – Required Field |
| E-mail | Non-empty String – Required Field |
| Address | Non-empty String – Required Field |

* The above table shows the datatype members, keeping in my mind of the User when changing the customer’s contact information.

**Test Delete Customer and Contact Information:**

**Desired Functionality:** This interface should process the submission of the delete the customer and it’s contact information. When User enters the ID of customer that is to be deleted, it also deletes the contact information.

* When User enters the ID of the customer that is to be deleted, upon deletion of Customer from the database, the customer’s contact information is also deleted from the database.