

# Unit- II

## Test Case – Case Study

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# Test case – case study

## Registration Form

Please fill in the form below.

**Full Name \***

Prefix

First Name

Last Name

**Address \***

Street Address

Street Address Line 2

City

State / Province

Postal / Zip Code

Country

**Phone Number \***

Area Code

Phone Number

**E-mail \***

Submit Form

# Registration Form Test Cases

- ❖ **Preconditions:** The zipcode needs to be a number.
- The phone number is 10 digit and the area code needs to be min. 3 number and maximum 5 numbers.
- If required fields are not filled or wrong data is inserted then jotform triggers error after submission of the form.
- The test cases for the registration form are sorted per field as explained below.
- ❖ **Generic Form Field Tests**
- Check the behavior of form by not filling up any data into the form.
- Check the by not filling up the required fields.
- Check the behavior of form by adding random data in the text field.
- Check the by not filling up the full name text field but by filling up rest of the other fields.
- Check the behavior of form by filling other text fields except address text fields.
- Check the form by filling other text fields except phone number text field.
- Check the form by filling other text fields except email text field.

# Registration Form Test Cases

- **Testing Full Name Field**

- Check the Full name text field without Prefix.
- Check the Full name text field without adding First name.
- Check the Full name text field without adding Last name.
- Check the Full name text field with special characters in Prefix.
- Check the Full name text field with special characters in First name.
- Check the Full name text field with special characters in Last name.
- Check by adding numbers instead of string in the full name text field.

- **Testing Address Field**

- Check if all the text fields in the address field are mandatory or not.
- Check if the second line of the street field can be kept blank.
- Check the first line of the street text field in address by adding nothing into it.
- Check the city text field by adding numbers into it.
- Check the city text field by adding no data.
- Check the state text field by adding no data.
- Check the state text field by adding numbers into it.
- Check the state text field by adding data more than the field limit.
- Check the behavior of form by not selecting the country from the drop-down menu of the country field.
- Check the behavior of the form by selecting wrong country to that of address field content.
- Check the zipcode text field with string instead of numbers.
- Check the zipcode text field with numbers shorter than required.
- Check the zipcode text field with numbers larger than required for the specific state or place.

# Registration Form Test Cases

## ❖ **Testing Phone Number Field**

- Check the Phone text field with area code being string instead of numbers.
- Check the Phone text field with phone number being string instead of numbers.
- Check the Phone text field with both area code and phone number both being string instead of numbers.
- Check the Phone text field with no data added.

## ❖ **Testing Email Field**

- Check the Email text field that has Email address without @ symbol.
- Check the Email text field that has random string instead of real email.
- Check the Email text field that has @ symbol written in words.
- Check the Email text field that has missing dot in the email address.
- Check the Email text field as “name@gmail”
- Check the Email text field as “@gmail”
- Check the Email text field as “name@gmail..com”
- Check the Email text field as “name@192.168.1.1.0”
- Check the Email text field as “name.. @gmail.com”

# Case study – ATM system

- 1) Insertion of ATM card with success.
- 2) Incorrect ATM Card Insertion ❖ Leading to unsuccessful operation.
- 3) ATM Card of an invalid account ❖ Leading to unsuccessful operation.
- 4) Successful feeding of ATM PIN Number.
- 5) Incorrect ATM PIN Number feeding 3 times - Leading to unsuccessful operation.
- 6) Selection of language of operation, with success.
- 7) Selection of Type of Bank Account with success.
- 8) Incorrect Bank Account type Selection in respect to the type of ATM Card inserted - Leading to unsuccessful operation.
- 9) Selection of withdrawal option with success.
- 10) Selection of Amount to be withdrawn with success.
- 11) Incorrect Currency denominations - Leading to unsuccessful operation.

# Case study – ATM system

- 12) Successful completion of withdrawal of money.
- 13) Amount to be withdrawn in excess of the available Balance – Leading to unsuccessful operation.
- 14) Shortage of Currency Notes in ATM - Leading to unsuccessful operation.
- 15) Amount to be withdrawn in excess of the daily withdrawal limit - Leading to unsuccessful operation.
- 16) ATM link to the Bank Server not available at the moment - Leading to unsuccessful operation.
- 17) Clicking of the Cancel button after inserting the ATM card - Leading to unsuccessful operation.
- 18) Clicking of the Cancel button after feeding the ATM PIN Number - Leading to unsuccessful operation.
- 19) Clicking of the Cancel button after selection of language of operation - Leading to unsuccessful operation.
- 20) Clicking of the Cancel button after selection of Type of Bank Account - Leading to unsuccessful operation.
- 21) Clicking of the Cancel button after selection of Amount of withdrawal - Leading to unsuccessful operation.
- 22) Clicking of the Cancel button after feeding the amount to be withdrawn - Leading to unsuccessful operation.