

# INSERT CONTACT Module

## START

DECLARE firstName, lastName, phoneNumber, email, physicalAddress, contactGroup asString

SET firstName = txtFirstName.getText().trim()

SET lastName = txtLastName.getText().trim()

SET phoneNumber = txtPhoneNumber.getText().trim()

SET email = txtEmail.getText().trim()

SET physicalAddress = txtPhysicalAddress.getText().trim()

SET contactGroup = txtContactGroup.getText().trim()

// Validate mandatory fields

IF NOT validateName(firstName, "First Name") THEN

RETURN

IF NOT validatePhoneNumber(phoneNumber) THEN RETURN

// Validate optional fields only if they are not empty

IF NOT lastName.isEmpty() AND NOT validateName(lastName, "Last Name") THEN RETURN

IF NOT email.isEmpty() AND NOT validateEmail(email) THEN RETURN

IF NOT physicalAddress.isEmpty() AND NOT validatePhysicalAddress(physicalAddress)  
THEN RETURN

IF NOT contactGroup.isEmpty() AND NOT validateContactGroup(contactGroup) THEN  
RETURN

// Get the loggedInUserID

SET loggedInUserID = getLoggedInUserID()

// Check for duplicate phone number

IF isPhoneNumberDuplicate(phoneNumber, loggedInUserID) THEN

SHOW error message "The phone number is already associated with one of your contacts."

```
    RETURN

    // Generate unique contact ID
    SET contactID = generateUniqueContactID()

    // Create new
    Contact object
    DECLARE
    newContact:
    Contact

    SET newContact = new Contact(contactID, firstName, lastName, phoneNumber,
    email,physicalAddress, contactGroup, loggedInUserID)

    // Insert contact into LinkedList
    CALL contacts.insertContact(newContact)

    // Append contact to CSV file
    CALL addContactToCSV(newContact, "src/storage/contact.csv")

    SHOW success message "Contact successfully added!"
END
```