

## Given Requirements for Initech

### Form requirements

- View/Add/Edit Customers
- View list of calls per customer
- Add/Edit calls not required
  - List is automatically logged
  - Will be required for testing

### Data to store

- Customers
  - Customer ID \*\*
  - Company Name (Editable)
  - Address (Editable)
  - Date Purchased
- Support Calls
  - Call ID \*\*
  - Customer ID \*\*
  - Source (voicemail/email)
  - Date/Time
  - Contact Name
  - Responded

\*\* These fields are not required for this app, but would be used with a database to create a unique ID

## Screenshot of actual software

The screenshot shows a window titled "Initech Support" with a menu bar containing "File" and "Edit". The main content area is divided into three sections:

Customer	Purchase Date	Address
Steve Hassenplug	4/30/2018	My House
David	12/4/2017	Texas
Brand New	5/5/2018	123 Hometown

Below the table is a form for the selected customer, Steve Hassenplug:

Customer Name	Steve Hassenplug
Address	My House
Purchase Date	4/30/2018

At the bottom is a call log table:

Responded	Call Date Time	Source	Contact Name
<input checked="" type="checkbox"/>	5/5/2018 11:47:39 AM	email	Steve
<input type="checkbox"/>	5/5/2018 11:48:36 AM	voicemail	Kids

## Usage notes

This application is a single form that allows users to view customer contact (call) data.

## Form Functionality:

- Add Customers
- Edit Customers (when enabled, or when a new customer is added)
  - Enter purchase date with a date picker
  - Customer Edit panel can be disabled
- Add Call for selected customer (voicemail or email)
- Edit call information (*not listed in requirements*)
- Delete Customer or Call (*not listed in requirements*)
- All data will be saved into an XML file when program is closed
- All saved data will be loaded when program is opened

## Data Structure

public class MainWindow : Window -- contains ->

public class CustomerDataClass (all data) -- contains ->

```
public class CustomerListCollection: ObservableCollection<CustomerListClass>
public class CustomerListClass (single customer) -- contains ->
public class CallListCollection : ObservableCollection<CallListClass>
public class CallListClass (single call)
```