

Repair Shop

Create CRUD application that manages repair shop's customer list and repair appointments. User should be able to view, add, edit, and delete customer and appointment.

Filter Appointments by Customer

In the Appointments form, add a combo box to the toolbar containing a list of customers. When the user selects customer, restrict the list of appointments to those that match the selected customer.

Add New Customer

Create a form that lets the user input a new customer. The CustId column in the database is not autogenerated, so you might want to use a query to get the list of IDs, find the highest one, and create a new ID that is larger. Do not permit any of the customer fields to be blank. Do not permit the new customer's phone number to be the same as an existing customer's phone number.

Modify Customer

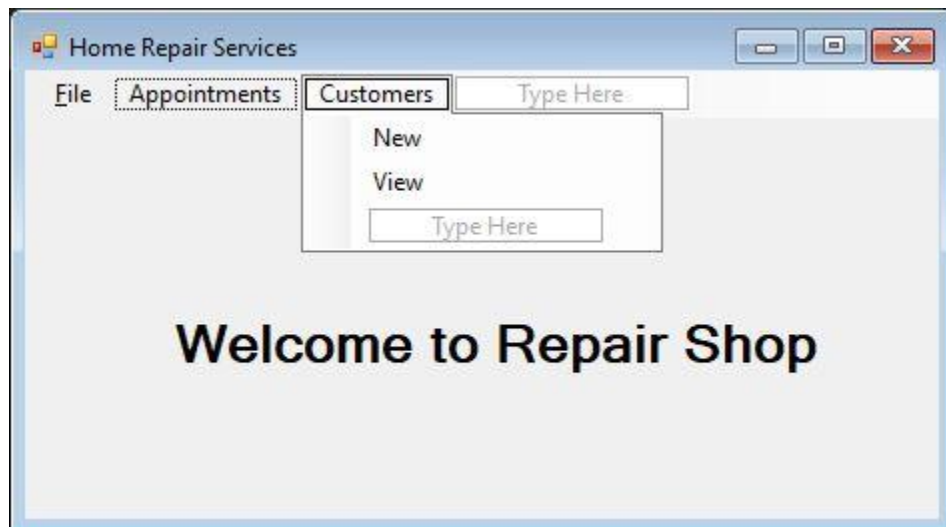
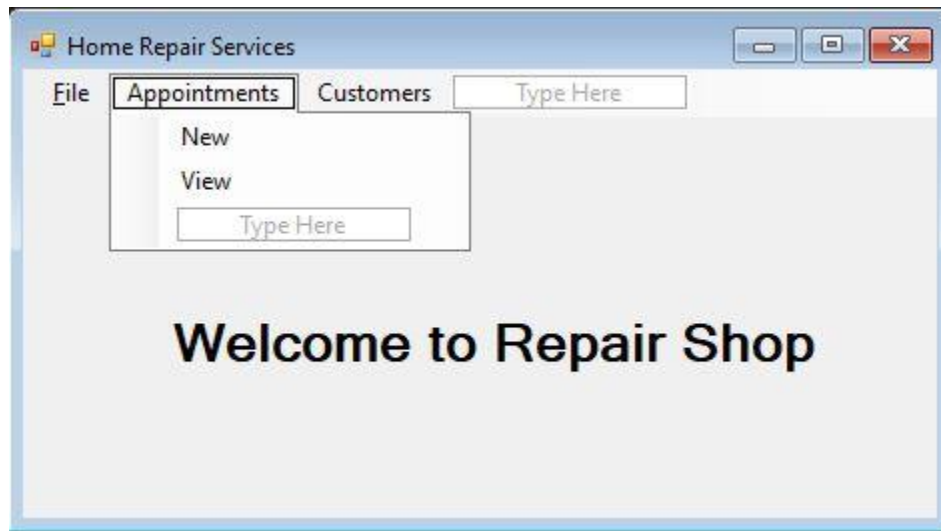
Modify the Home Repair Services application as follows. Create a form that lets the user modify an existing customer's name and phone number. Do not permit the customer ID field to be modified. When the user clicks a button to save their changes, the form must call an Update method in the Customers class, which in turn calls the TableAdapter's Update method.

NOTES:

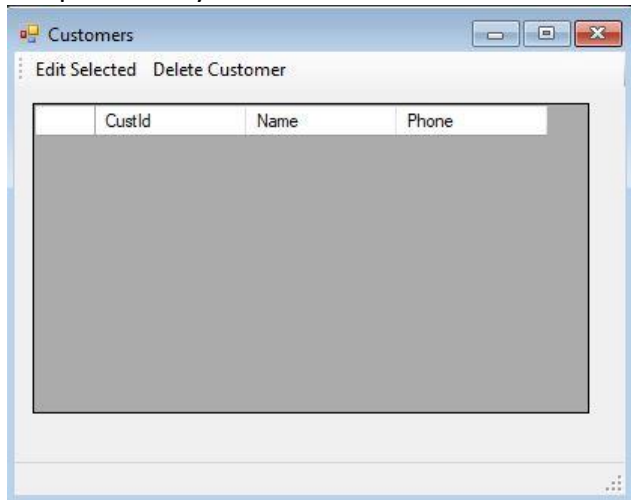
Implement Adding and Modifying Appointment in the same manner as described for Customers.

Allow deletion of customers and appointments directly from their respective Data Grid Views.

Main Form only contains menus to View or add customers/appointments

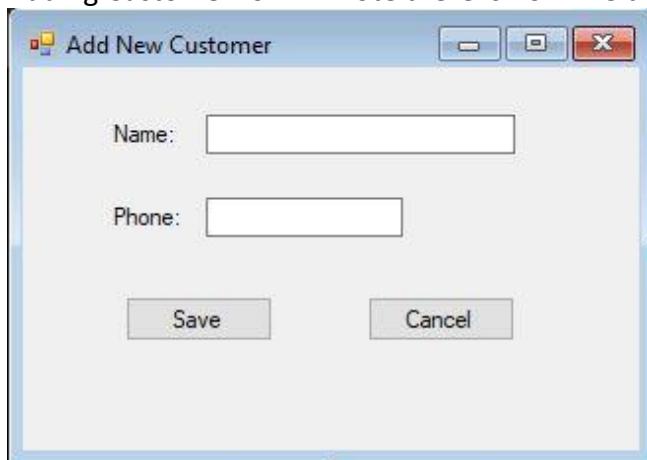


Viewing all customers form – using a data grid view. User can select row and clicks Edit Selected to open Modify Customer form.



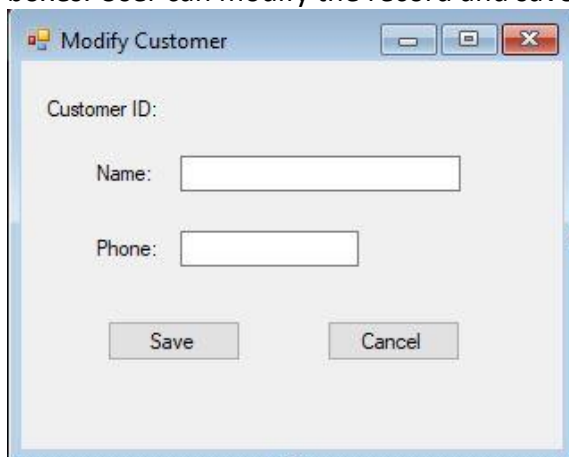
The screenshot shows a window titled "Customers" with a menu bar containing "Edit Selected" and "Delete Customer". Below the menu bar is a data grid with three columns: "CustId", "Name", and "Phone". The grid area is currently empty, showing a grey background.

Adding Customer form – Note there is no ID field. This will be added automatically by database



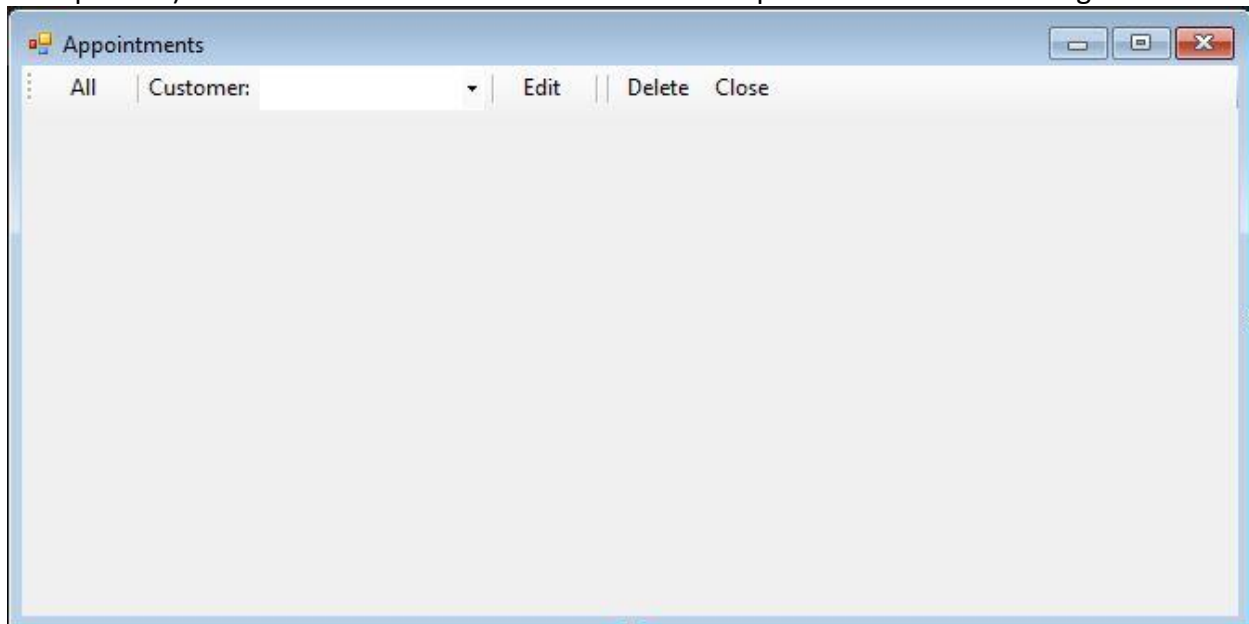
The screenshot shows a window titled "Add New Customer" with two input fields: "Name:" and "Phone:". Below the input fields are two buttons: "Save" and "Cancel".

Modify Customer form – contains label for ID. All information will be displayed in the text boxes. User can modify the record and save the modified record in the database



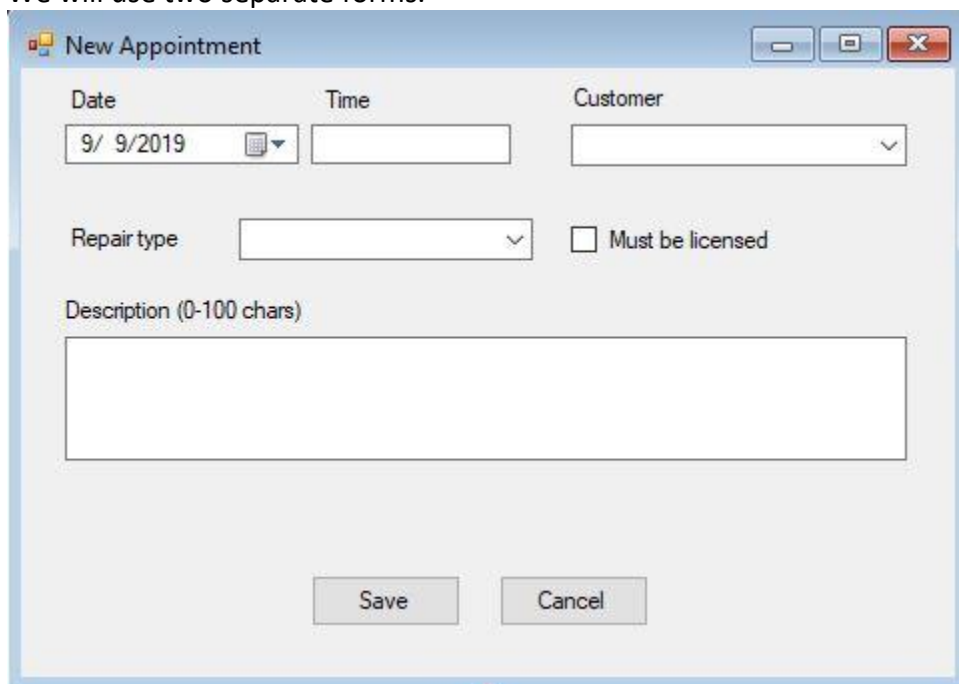
The screenshot shows a window titled "Modify Customer" with a label "Customer ID:" followed by an input field. Below this are two more input fields: "Name:" and "Phone:". At the bottom are two buttons: "Save" and "Cancel".

Viewing Appointments form. All information is displayed in Data Grid View. Form allows to display all appointments (clicking All button) or filter appointments by customer (selected from a drop down). User can select a record and clicks Edit to open the record for editing in Edit form



The screenshot shows a window titled "Appointments". At the top, there is a toolbar with a menu icon, an "All" button, a "Customer:" label followed by a dropdown arrow, and three buttons: "Edit", "Delete", and "Close". The main area of the window is a large, empty light gray rectangle, representing the data grid view.

New Appointment/Modify Appointment forms – the forms are the same. Except the Modify appointment form will have all fields pre-filled with current record, ready for the user to modify them, while New Appointment form will have all fields blank and ready for the user to enter. We will use two separate forms.



The screenshot shows a window titled "New Appointment". It contains several input fields: "Date" with a text box showing "9/ 9/2019" and a calendar icon, "Time" with an empty text box, and "Customer" with a dropdown arrow. Below these is a "Repair type" dropdown and a checkbox labeled "Must be licensed". At the bottom is a large text area labeled "Description (0-100 chars)". At the very bottom are "Save" and "Cancel" buttons.