Blockbuster Final Project

*Requirements*

*Team: Zach, Caleb, Jessica*

# Name of Project

Blockbuster Inventory & Invoices Management Software

# Team Members

Zach, Caleb, and Jessica  
  
Purpose

The objective of this application on a high level is to help automate the process of running a video store chain known as Blockbuster. To do this, the application is able to add invoices, add new customers, search existing customers, add movies, and remove movies. All of these actions are recorded in a Microsoft Access MySQL database. The main form shows the user what movies are currently available, and allows them to select a movie, select a rental duration, and calculate the price of the transaction. From there, the user will want to record the transaction as final. In order to do this, the user needs to either select an existing customer, or add a new customer. There are two respective forms for these two actions, which are displayed with a button click on the main form. If the user chooses to add a new customer, a simple form with text boxes for each needed customer field is displayed. From there, the user can type in fields like the customer’s name, address, and movies rented. This data is then written to the appropriate tables in the database. If the customer is a returning customer, the user can choose to look them up in the database rather than re-typing all of their info. In order to do that, the user can press a button, which displays a form with a list of existing customers in a DataGridView. From there, customers can be selected, which then stores the selected customer ID in a global variable where it can be accessed from other methods and forms. Once a customer is selected or added, there’s a button for completing the order. This button opens a form that shows the entire invoice – from here, the user can enter the customer’s payment information and finalize the transaction. Once a transaction is complete, it is replicated in the database, and only the main form shows. That’s the process for checking out a customer. The application has another purpose, however – managing inventory. The user has an option to manage inventory, which opens a form with a list that shows all of the movies that are in the store along with the amount that’s in stock. These fields are editable, so the user can double click the inventory field and change the amount of inventory that’s available. Once the user finishes all changes, there’s a button to save changes. If the button is clicked, the changes are written to the database. If the inventory amount is entered as zero, the movie is not displayed on the main form.

# Responsibilities

## Zach

* Add new customer form (design and code)
* Search existing customers form (design and code)
* Requirements document and final paper

## Jessica

* Main/starting form (Form1, design and code)
* Database Design and Tables
* SQL Statements and Table Adapters
* Journal

## Caleb

* Update inventory form (design and code)
* Rentals class