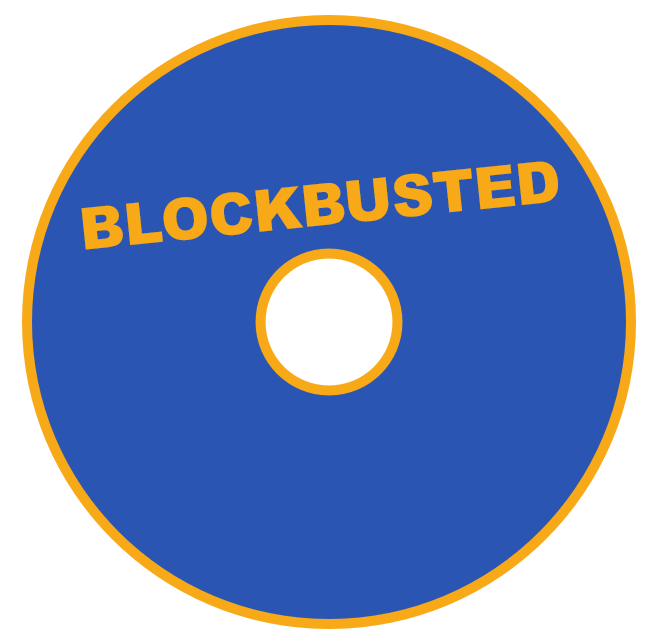
**BlockBusted**



*Est. 2021*

**Core Functionality:** A system which sells CDs.

**Team Name:** Team2 PogChamp

**Team Members:** Sam Hughes, Ishaaq Manzoor, Sam McPhee, Ariston Soares

**Team Roles:**

*Staff Management* - Sam Hughes

*Stock Management* - Ishaaq Manzoor

*Order Processing* - Sam McPhee

*Customer Management* - Ariston Soares

**System Overview:**

An e-commerce site that sells CDs to the general public. Customers will be able to access a front-end web site that allows them to browse and filter available stock of CDs. Customers can add CDs to a shopping cart and create orders. When creating an order, customers will be required to create an account where they specify their personal details. They will also be able to review and edit their order.

There will also be a staff-facing backend system where staff members can manage the stock and customer orders. Other admin functions on the backend will include managing customer data, staff data and running reports on the data stored on the system. When orders are created by the customer, they will be added to a list of orders for processing on the back end by a staff member.

**Individual Overview:**

**Customer Management System - Ariston Soares**

The Customer management system Allowing adding, editing, deleting, listing, and filtering of customer data. If a customer visits the site to buy a CD’s they would have to sign up with an email a password. once the customer has registered. Their information is then stored, and they are given a unique UserID. the website will also allow the customer to make any changes to their information later if they wish to.

**Order Processing System - Sam McPhee**

The order processing system will be made up of two components: Order and OrderLine. OrderLine will be used to complete the checkout process as begun in Order. A customer will create an OrderLine once they begin adding items to purchase. This can only be achieved if the selected item is in stock. They will also have the ability to remove items and edit their order as they wish. Once completed the customer will proceed to Order. Within order the customer will be able to add, edit or remove personal details such as shipping addresses and buyer name. If they confirm, the order will be placed, and stock will be updated accordingly. However, if they cancel, items will be removed from the shopping basket, the OrderLine will be deleted, and stock will remain the same. The front end of the system will be used to view the customer’s order as it currently is whereas the back end will be used to process each request.

**Staff Management System - Sam Hughes**

The staff management system will allow managers to add new staff to the database. Managers will be able to add, edit and delete stock from the system. All staff members including managers will be able to find and list customer orders. Staff members will be able to search the system to find customers, stock and other staff members and view them in a list. When logging into the system, the system will filter and validate the login information to make sure that the right people have the appropriate access and view.

**Stock Management System - Ishaaq Manzoor**

The stock management system will be made to allow managers to add, edit and delete stock from the system and give customers a visual overview of the CDs in stock for sale. The stock management system keeps an eye out what available items we have for sale. If there is zero of any stock, it will automatically change the status to ‘out of stock’. It won't need to check for permissions as the staff will already be given permission to access the stock. If an order is placed from the order system, the stock will be updated accordingly. Staff members will be able to use the system to check what CDs we have in stock when communicating with customers and view it as a list. They can also filter through the CD stock from date of release.

**Individual Table Designs**

**Customer Management System - Ariston Soares**

**tblCustomerManagement**

CustomerID Int *Primary Key*

Email String

Password String

DOB Date

Customername String

Customeregistion Boolean(Y/N)

**Order Processing System - Sam McPhee**

**tblOrder**

OrderID Int *Primary Key*

OrderLineID Int *Foreign Key*

CustomerID Int *Foreign Key*

BuyerName String

ShippingAddress String

DeliveryDate Date

OrderPlaced Boolean

**tblOrderLine**

OrderLineID Int  *Primary Key*

StockID Int  *Foreign Key*

OrderLineCheckout Boolean

CheckoutDate Date

OrderLineTotal Int

TotalCost Double

**Staff Management System - Sam Hughes**

tblStaffManagement

StaffID Int *Primary Key*

FullName String(text)

Manager Bool

DOB Date

Salary Double

**Stock Management System - Ishaaq Manzoor**

tblStockManagement

StockID Int *Primary Key*

InStock Boolean

AlbumTitle String

ReleaseDate Date

StockAmount Int

Price Double