**Project report**

**Front end**

Our website features a search bar as the primary method of navigation for our e-Commerce website. Users able to search for a specific DVD and are provided with a page of results, that they are able to sort by a variety of criteria. It also provides a secondary method of navigation, which is a dropdown menu located at the top left of the website. This allows the user to select a category of film or a special list, such as ‘Latest Releases’.

We have embedded YouTube trailers within each product page allowing users to view a trailer before they purchase the movie. We have chosen to embed the trailers in the site, as this will keep the user on the site, therefore making it more likely that they will purchase the movie from our store.

We have implemented login and register modals into our website. When a user registers, we store personal information in the database. We collect an email address and password, which are used as their login credentials. We hash the user’s password, therefore safeguarding it, in the event our database is compromised. We also collect their delivery address and date of birth. The date of birth allows us to verify that the user is of age to purchase the movies requested. The delivery address means that the user doesn’t have to enter it at every purchase. All data is validated, ensuring that valid data has been entered into each field. We have used modals to facilitate these forms as they allow the user to complete these actions without leaving the page that they are currently browsing.

We provide our customers the ability to update their details. We also provide them with the ability to view their past orders and track their current status. As well as the customer facing administration, we have implemented a dedicated CMS admin portal. This allows staff to add new products and modify existing products. The CMS also allow staff to view/delete and update the status of customer orders.

We have provided a dropdown shopping cart. This allows users to view/modify their chopping cart from any page. The shopping cart provides the user with a list of products that they have added along with their price and the quantity. We use AJAX to keep a server side copy of the users shopping cart, therefore meaning that quantities are always live and up to date on the server.

Once a user has completed their browsing, they can press the ‘Checkout’ button at the bottom of their cart. At this stage we make sure the user is logged in, otherwise we display the login/register modals. Finally, we present the user with a summary of their order and provide a button to complete the order.

**Backend of website**

Our website is powered by MongoDB, a document-oriented, NoSQL database. We use this database to store all user, product and order data. We interact with the database using PHP, allowing us to serve dynamic webpages to our users.

We use AJAX on our website in order to transfer data between client and server ‘asynchronously’, therefore allowing data to be updated/modified without refreshing the page.

**Third Party Libraries Used:**

* Bootstrap
* JQuery

Wireframes:

Screenshots of all pages

How far we got

|  |  |  |
| --- | --- | --- |
| Name | Contributions to Project | Total Amount of Work on a Scale from 0 to 10 |
| Timbo |  |  |
| Yusuf |  |  |
| Monika |  |  |