

## Project Proposal

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### Project Idea

After all, we have learnt in the past 6 weeks we have chosen to work on a '**Library Management System**'. We chose our case study to be a library as we have seen that we will be able to apply the skills we have learned in the past few weeks while working on the mentioned project.

Explaining our project in more details, the Library has **three** main items: **Books, Audiobooks** and **Films**.

Let's start with the keywords to avoid confusion,

**Add:** Add an Item to the Library

**Sell:** Sell an item to a person

**Rent:** Rent an item to a person(the person will pay)

**Borrow:** Lend an item to a person(the person will not pay)

**Return:** Returning a borrowed or rented book

**Donation:** Donation of an item received by the library

The following are actions allowed on each item:

A book: Add, Sell, Borrow, and Donation.

An audiobook: Add, Sell, Rent, Donation.

A film: Add, Sell, Rent, Donation.

The Library manager will be the one to use the program and they will be managing everything mentioned above.

As we are the ones to code this program we are also going to show a glimpse of how the backend will look like(Visual)

This is how the program will be coded:

