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| CIA 3403 |
| Cloud Database |
| Library Database |

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Course code: CIA 3403

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## Description of the project

Our project is about library application where you can get the details of the book you want to read or borrow, details like the Book name, Author, Year Published, the name of the Publisher and the category. In this project we will store books data in a database called ‘’librarydb’’ and we will use mLab cloud database. To retrieve the data we will write a JavaScript code that contain different routes and each route will display different data. We will display the data in a webpage using XHR and phone using WebView. The user can add, update, and delete books through a webpage or phone.

## Design of the cloud database – including hosting details

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| --- | --- | --- | --- | --- | --- |
| **Host Details** | mongodb://bmss:bmssproject@ds223009.mlab.com:23009/librarydb | | | | |
| **Database** | librarydb | | | | |
| **Collection** | books | | | | |
| **Keys** | Book\_Name | Author | Year\_Published | Published\_By | Category |

## Design of the routes and their sample data returned

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| Route | Returns |
| /Fiction | Display books that are in fiction category |
| /Romance | Display books that are in romance category |
| /Science Fiction | Display books that are in science fiction category |
| /Adventure | Display books that are in adventure category |
| /Fantasy | Display books that are in fantasy category |
| /Drama | Display books that are in drama category |

## Architecture diagram

A picture containing sky, indoor, next

Description generated with high confidence