

Digital Library

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Team Members

Camron Mellott – Computer Science – Specs & Implementation /
Analysis

Josh Watson – Computer Science – Design

Luke Joseph – Computer Science – Presentation

Introduction:

This project aims to create a digital library application that will allow users to store, organize, and track books they have read or are currently reading.

Motivation:

Encourages learning and reading by providing users with a space to log, organize, and reflect on their reading history. This will also help avid reading to keep track of multiple books while they read.

Objectives:

i.) Mobile and Web Application

Provides users with a space to log books, mark them as “currently reading” or “completed”.

ii.) Digital Library Management

Allows users to organize their books into categories and maintain their reading history.

iii.) Recommendations

Uses backend algorithms to analyze reading patterns and can also suggest new books based on the readers history.

Implementation Techniques:

i.) React Native

Cross-platform frameworks that allows for mobile and web application with a consistent interface.

ii.) SQL Database

Stores user data, including book information, reading progress, and notes.

iii.) Recommendation Engine

A machine learning model that provides book recommendation tailored to the user's interests.

Potential Users:

Potential users include students, teachers, and casual or avid readers who want to keep track of their reading history. This platform could also be beneficial to book clubs and schools.

Features and Deliverables:

i.) Book logging / tracking

Users will be able to add books manually or through an ISBN search. They will also be able to mark books as “currently reading” or “completed”

ii.) Personalized Digital Library

Users will be able to organize and sort their books allowing them to browse through what they have read or are currently reading.

iii.) Notes and Reflections

Users will be able to write notes and reflections on their different books making their library more personalized and effective.