



# Modern Web Application Design and Development - Online Program

Final Project Guideline

---

## Overview

You are assigned to design and implement a web application for an online books store.

## Project Requirements

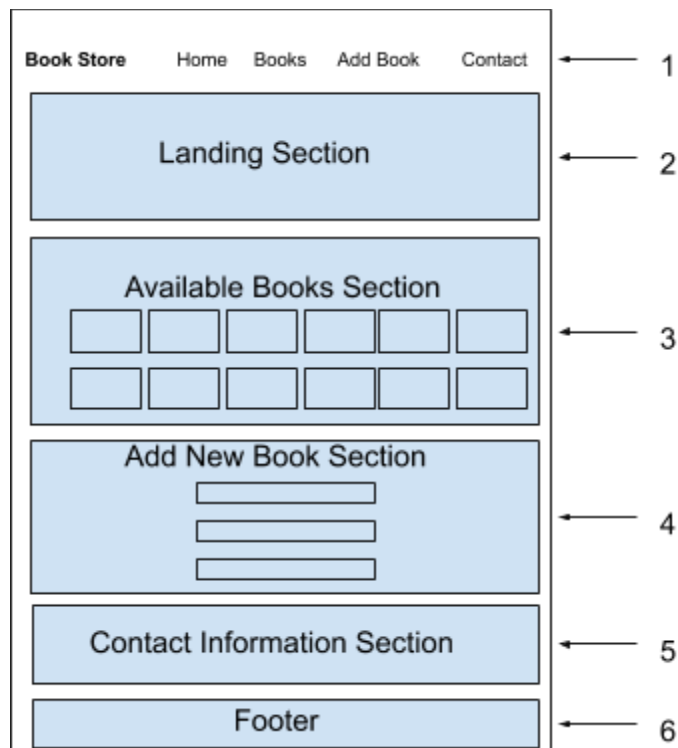
1. Anyone can visit and check all the available books in the online store and other site information. (No need search book feature)
2. Authorized users can add new books into the store.

## Technology Specifications

1. Wireframe and Visual Design with Adobe xd or Figma
2. You can use one of the followings to implement the user interfaces
  - i. Implement frontend with only html,css, javascript and bootstrap
  - or**
  - ii. Implement front with React Js framework and UI component library
3. Use firebase backend
4. Use Github to store your source code and other design files(in pdf format).

## Notes

1. You can refer to the following lo-fi wireframe for the home page.



**\* You are free to go with appropriate design for each and every section.**

### 1. Brand And Navigation Section

You can decide a brand name for this application.

When a user clicks the navigation menu item, the user should be focused on the related section on the same page.

Ex: Home -> Landing Section

Books -> Available Books Section

### 2. Landing Section

This represents the main landing area for this application

### 3. Available Books

You have to get the **data from the firebase** for each and every book.

Let's consider one book.

**Book Name:** Harry Potter and the Philosopher's Stone

**Author:** J. K. Rowling

**Price:** USD 15.25

**ISBN:** 8880747532743

You've to show all the available books in this section.

### 4. Add New Book Section

Use this section to add new books into the firestore database.

This section should contain the following input fields.

1. Book Name
2. Author
3. Price
4. ISBN
- 5 Username
6. Password

All the input fields are compulsory.

Use the **hard coded username and password** for the authorized person.

Note:

Hard code the username and password for the authorized person in the frontend.

Username : bookadmin

Password : pwdadmin

When a user wants to add a new user into the system, the user should give correct username and password.

If both are correct, the user will be able to add a new book into the store.

If a user inserts an incorrect username or password , a proper error message should be shown to the user.

No need to store username and password in the firestore database.

## 5. Contact Information Section

You can display appropriate information for this section.  
Use some dummy data.

## 6. Footer Section

Display an appropriate footer for this application

## Tasks and Mark Allocation

1. Wireframe Design - (15 Marks)
2. Visual Design - (20 Marks)
3. UI Implementation - (35 Marks)
4. Firebase Project and Firestore Database Implementation + Deployment  
(Need to save the book data into firestore database from the UI) - (15 Marks )
5. Github project files  
(Upload all the files into github project including **wireframe and visual design PDF**) - (15 Marks)

## Project Submission and Deadline

Please complete the above tasks and send the **Project Live URL** and **Github Project URL** to [roshanmjayathunga@gmail.com](mailto:roshanmjayathunga@gmail.com) on or before **30th November 2020**.

**Subject of the E-mail : " MWAD - Final Project - Name - Your Reg. No "**