

Application Sample

Market Assistant

Market Assistant is a sample application that might be used by a Marketing Manager to ensure that upcoming books have the appropriate marketing coverage. The application has been created using dotnet 6 and Angular 13. Instructions on how to get it up-and-running are in the ReadMe of the repository:

<https://github.com/blusk0/market-assistant>

The application as it stands is incomplete with respect to this Business Requirements document. The assignment is to review this document thoroughly while going through the application, determine which features are missing or incomplete, and implement those features.

It is important to keep in mind the Business Rules when reviewing all features, including features that seem complete.

While you are examining the application, keep in mind things you would improve! This application has ample room for growth. If you were the one designing it, what would you add to it? What, if anything, would you change?

When finished, please create a pull request for your work to be reviewed, if you are able. Instructions can be found here:

<https://docs.github.com/en/pull-requests/collaborating-with-pull-requests/proposing-changes-to-your-work-with-pull-requests/creating-a-pull-request>

Market Assistant

Stay organized managing the marketing materials and events of upcoming titles.

Pages

The application should contain the following pages:

Dashboard

The dashboard should be the landing page of the application. It should provide the Marketing Manager with three sections of information.

1. A Pie Chart with a breakdown of book coverage
 - a. It should show a breakdown of:
 - i. Books with no marketing materials, events, or marketer assigned
 - ii. Books with no marketer assigned
 - iii. Books with no events
 - iv. Books with no marketing materials
 - v. Books with all these items
 - b. The user should be able to click on a section of the chart and navigate to a page displaying these books in a grid
2. A data table showing any Marketers that currently have no assignments
3. A data table showing any titles that are set to be published within 30 days

Book Listing

The book listing page should show all the titles in a data table. The table should have the following headings: Title, ISBN, Publish Date, Author First Name, Author Last Name, and Format.

Book Information

The book information page should show information about a particular book. It should display the cover art of the book, as well as the ISBN, author, format, on sale date, and publishing date.

The book information page should also display the following in their own sections:

1. Any Marketers assigned to the book.
 - a. Marketer's name and date assigned
2. Any Marketing Materials assigned to the book.
 - a. Marketing material type, start date, end date
3. Any Events created for the book
 - a. Event Type, start date, end date

Author Listing

The Author Listing page should display the authors in a data table. The table should display the following information: First Name, Last Name, and Book Count

Author Information

The Author Information page should show extended information on a particular author. The page should display the author's picture, their name, and any books that they have set to be published.

The books should be displayed with the title, cover art, ISBN, format, on sale date, and publish date. You should be able to navigate to a book's Information Page by clicking on them.

Marketer Listing

The Marketer Listing page should display the Marketers in a data table. It should contain First Name, Last Name, and the number of assignments that the marketer has.

Marketer Information

The Marketer Information page should display information on the selected Marketer. The page should display the Marketer's picture, first name, and last name.

The page should also display the Marketer's full history of assignments. Each assignment should have its own card. The card should display the book cover art, the title, the ISBN, the date of assignment, and the date of un-assignment if applicable.

Business Rules

The following are rules that should be followed throughout the application:

- The user's experience with available actions should be consistent. For instance, if table rows can be clicked on, they should be clickable wherever appropriate.
- There should be consistency between any pages that show information about people, such as between the Author and Marketer information pages.
- Wherever possible, there should be the ability to navigate to the information page of an entity wherever that entity is listed.