

The effect of term project on the overall grade is 30%. It is expected that you will develop the project by yourself. In any cases that break down this rule, you will get 0.

During the term project of the course, you are going to develop an easy-to-use, web-based personal library management application through which you can add, list, search, and keep track of your reading status. The name of the library management application is **LibMan**. First of all, users should register. During registration process, the fields listed below should be filled by the user:

- First Name
- Last Name
- Birth Date
- Email (will also be used as username)
- Password
- Photo

After the registration process, the user can do the following operations by using the LibMan:

- _ A login system: Only registered users can have access to the LibMan.
- _ Add new book: A registered user can add a new book by specifying the info about the book as following example. You can add page numbers, publication year or any additional info.

Add Book 📄 📁 ✕

Title *

Metro 2034

Author *

Dmitry Glukhovsky

Translator

Deniz Banoğlu

Publisher

Panama Yayıncılık

Book description

Yıl 2034... Nükleer kıyamet sonrası Moskova metrosunda yaşananlar.

Book cover

/Users/muratsaran/Desktop/metrocover.jpg

Categories

Bilim kurgu

Reading Status

☐ Completed

☒ Reading

☐ Not started

CANCEL

SAVE

_ Edit Book: The users can edit the book. See example edit screen below:

Edit Book

Title *

Metro 2034

Author *

Dmitry Glukhovsky

Translator

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Publisher

Panama Yayıncılık

Book description

Yıl 2034... Nükleer kıyamet sonrası Moskova metrosunda yaşananlar.

Book cover

/Users/muratsaran/Desktop/metrocover.jpg

Categories

Bilim kurgu

Reading Status

☐ Completed

☒ Reading


☐ Not started

CANCEL

SAVE

_ List, Search, and Delete Books: User can delete/search a book and list all books in the library. See example list, search, and delete books

search book here...



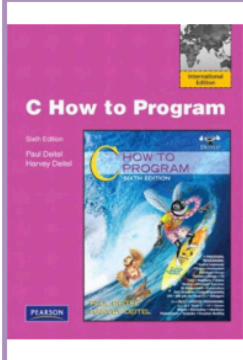
Metro 2034

Dmitry Glukhovsky

Description: Yıl 2034... Nükleer kıyamet sonrası Moskova metrosunda yaşananlar.

Reading Status: Reading

FULL INFO



Deitel C Book

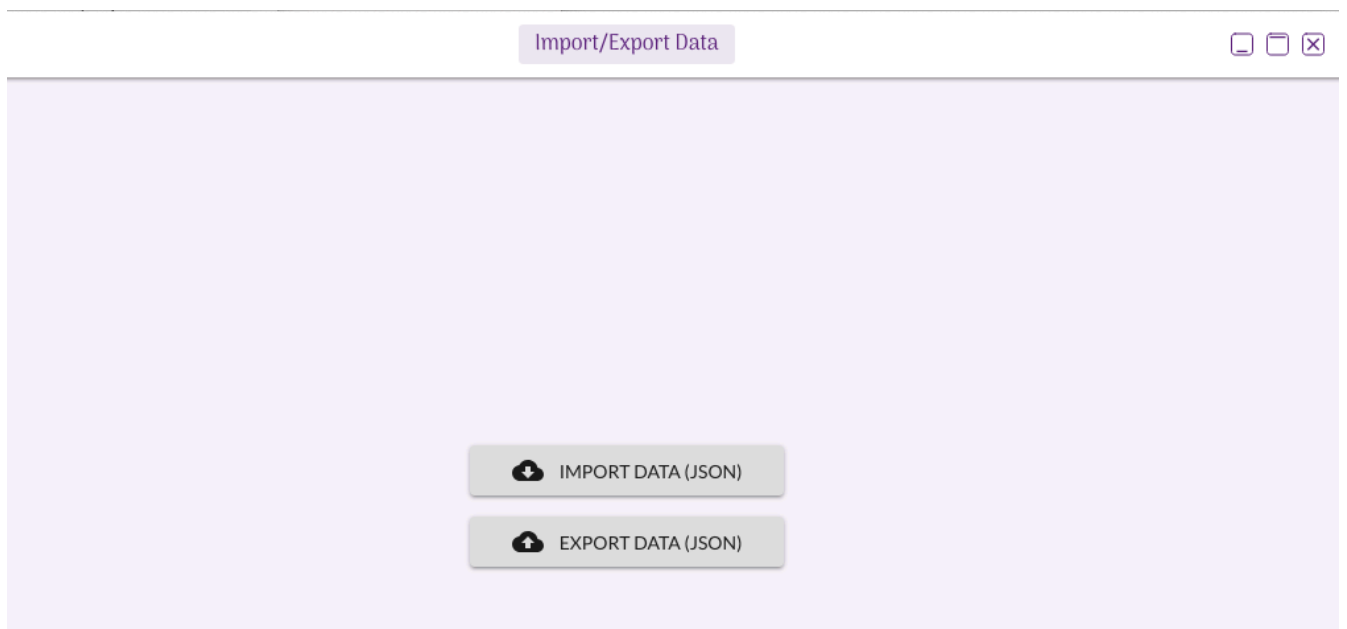
Deitel & Deitel

Description: C Programming Book

Reading Status: Completed

FULL INFO

_ Import book information from a JSON file or export book list to a JSON file: The users can import from/export to book information a JSON file. See example user interface below:



_ Update Personal Information: The users can update his/her personal information.

Outputs for the project:

1. Web application developed by using ASP.NET Core Razor Pages. The user interface is built using Tag Helpers. The model validations are also performed using data annotations (validation attributes). The database CRUD operations are performed using Entity Framework Core. MS SQL Server is used for Database.
2. Project Report
3. Presentation

As a Computer Engineering student, you are asked to develop a web-based application for the conceptual design described above. Please do not limit yourself to the above features.