



Project plan

Codexhub

Version table

Version	Date	Author(s)	Changes
1.0	March 2022	Florin Deleanu	First draft

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Requirements

The goal of the individual project is to practice your software development skills and to demonstrate that you are capable of creating enterprise software on your own.

Furthermore, think about what you want to learn this semester, and what challenges you want take up in your project. It is advised to define those challenges by defining non-functional requirements. What is important for your project to be a success on a large scale?

Besides the importance of non-functional requirements, it is also important that you deliver results of high quality, so note that your individual project should be fully functional and thoroughly tested!

Project goal

The end goal for this application is to build an enterprise grade e-book management system. Inspiration was taken from the website Goodreads and SciHub. The application should be viewable by everybody (people should be able to see popular books, their ratings, description etc.) but not everything will be public (must have an account to rate a book, leave a comment, get custom recommendations etc.)

The reasoning behind my design choices and software languages used can be found in the respective research and architecture documents.

Aside from the basic requirements an online payment system and email recommendation system could be implemented.

User stories

Stories will be rated on terms of importance (low-L, medium-M, High-H) and in terms of difficulty (based on a story point system using Fibonacci numbers)

US-1 - Priority **H** / Difficulty **13**: As a user I can register and log in so that I gain access to the membership only part of the website.

Acceptance criteria:

- Password must be 6 characters long and contain a number
- Having an account and access to my details
- Able to log in using the credentials

US-2 - Priority **H** / Difficulty **20**: As an admin I can view ebooks and users in the database

- Seeing overview of books and users
- Performing CRUD operations on books (maybe also users)

US-3 - Priority **H** / Difficulty **20**: As a user I can search for specific books in the database based on one (or more) criteria such as rating, title, popularity etc

- Making the desired query in the front end and seeing results after searching

US-4 - Priority **M** / Difficulty **8**: As a user I can view detailed information about a book

- Seeing information about a specific book in it's personal page

US-5 - Priority **L** / Difficulty **20**: As a member I can buy and download a book

- Pay using card in a secure way
- Download a book in PDF or other viewable format

US-6 - Priority **H** / Difficulty **8**: As a member I can vote on book ratings and leave a private comment

- Being able to give a rating on a book from 1 to 5
- Leaving a member only viewable comment

US-7 - Priority **L** / Difficulty **20**: As a member I can get personal recommendations

- Getting suggestions for books I might like to read in the future in the website and email

Test plan

For making sure my application maintains a high standard of quality, I will use unit tests to make sure the methods always work. After finishing the features from the User Stories, if time allows, I will also write integration tests to make sure the system works as a whole.