

LIBRARY BOOK LOAN SYSTEM

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Group 5

TASKS OF GROUP MEMBERS

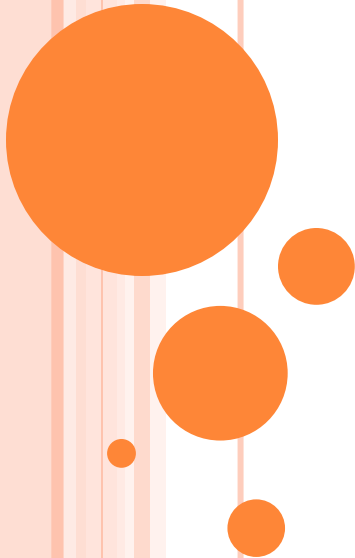
This team has three members : Şehrinaz Koca , Burcu İskender , Sergen Topçu.

Şehrinaz is a project manager and analyzer.

Burcu is a designer and tester.

Sergen is a coder.

In general, tasks are done in this way, but everybody actually did every task. This also allowed the project to finish faster and at the same time allow everyone to learn everything from the project.



WATERFALL MODEL

- We used the waterfall model in this project. This model consists of certain stages :

1-Analysis

2-Design

3-Implementation

4-Testing

It is necessary to finish the previous steps to move to a stage according to this mode. With this model system we made project design easier and we managed the project management more easily. So we preferred the waterfall model.



PROGRAMMING LANGUAGE AND DATABASE

- We wanted to use a web-based language for the library system. The language we chose on this page is php. While making this choice, we have noted that the group members have a common language.
- We used MySQL as the database for this system. This is because MySQL is easy to run on all platforms.
- For the program interfaces, css and html are also used.



- 12 different use cases were used in this project.
- We designed two additional systems to help with the library book loan system that we created. These are payment and barcode systems.
- There are 2 different actors in the system. These are user and admin(librarian).
- As shown in the Use case diagram, there are some activities that every actor can do. For example, manipulated customers can only be done by admins, but book search can be done by two actors.
- In all transactions except for searching books, actors have to log in.



CHANGES:

- -First of all, we changed some of the interfaces we designed. The reason for this is to make the system look more useful and more beautiful.
- -There have been some changes in the distribution of tasks. As we already explained in our initial design, all members of the group also helped with other tasks besides their own. In this way, the project was finished more easily.



USAGE OF GITHUB

- We used github as a stabil repository for our project. So we pushed our works to github in each end of assignment.
- We have shared the changes we made between ourselves and added the latest version to github.

