

DEVELOPING ASP .NET WEB APPLICATIONS

LightLibrary - Library Management System

Project proposal

Team members: 1. Roman Shaiko
2. Yasser Soufiany
3. Thanh Tung Pham



Project overview:

Library Management System application has three levels of access:

Not registered users:

- Library Management System allows anyone to explore the assets
- Users can register on the web app by themselves, or web app administrator can perform registration

Registered users:

- Can pick the available assets and see selected items in the Checkout page.
- Rent selected assets (maximum is 5 not returned assets for each user)
- On “My File” page user can see the not returned assets, the due date to return for each asset, fee to pay if the due date for the item is expired.
- On “My File” user also can “return” the item or all the items. In real life, this operation is supposed to be automated somehow to control

Library Rules:

A rented item must be returned in 15 days

The fee for every overdue day is \$1.50 per item

Administrator - a user, who has the “admin” role:

- Has access to all user accounts (create, edit, delete).
- Can add the assets to the database, edit or remove library assets.

Technique used:

- ASP.NET Framework with MVC
- Code First database migrations with DbContext
- ASP.NET Razor Engine
- Entity Framework