**DEVELOPING ASP .NET WEB APPLICATIONS**

LightLibrary - Library Management System

# Project proposal

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**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