

ADNAN MENDERES UNIVERSITY

2020 – 2021

SOFTWARE ENGINEERING

PROJECT PROPOSAL

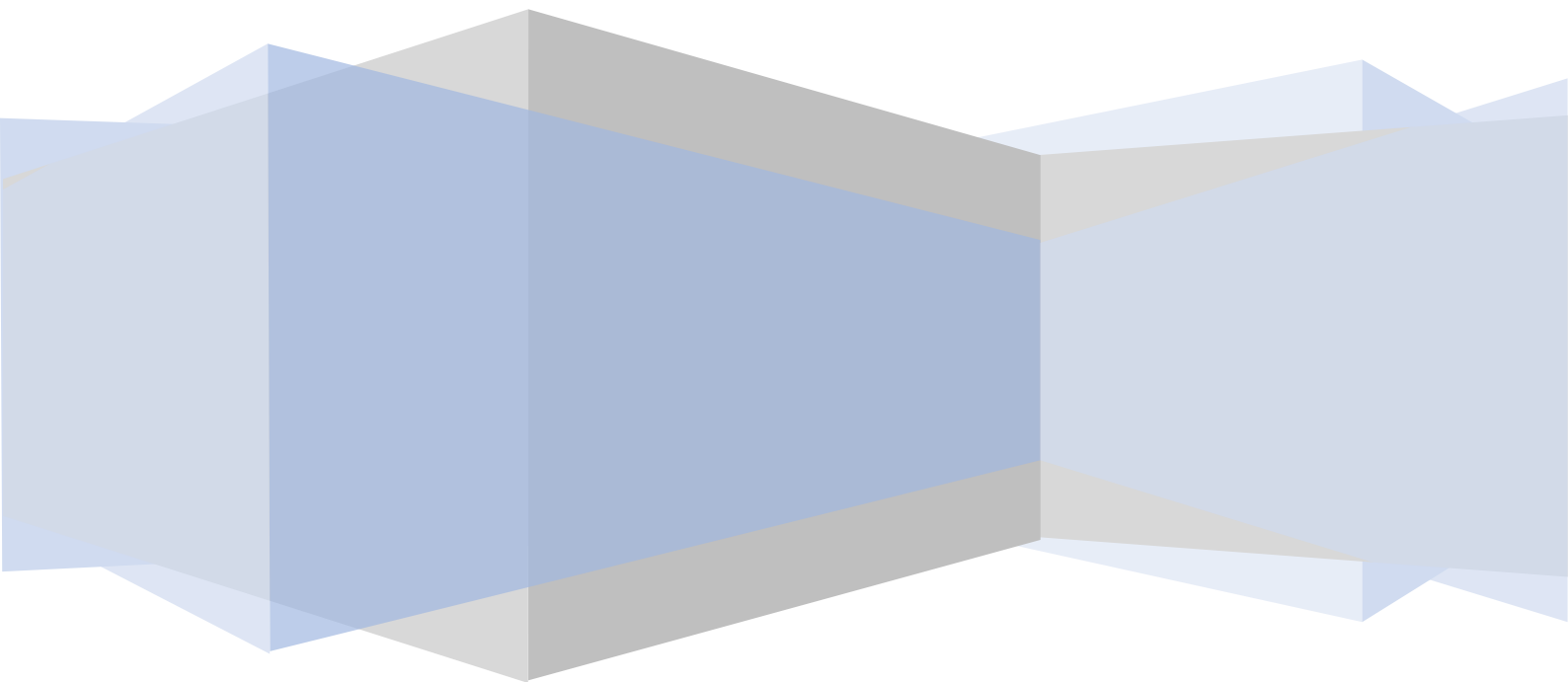
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PROJECT PROPOSAL

Project Name: Book Examination Website

Purpose of Using the Software

The purpose of our system is to guide other users by sharing their comments about the books they read, and to provide information about the books and authors.

Who and how will use the system?

Our system opens when the user "shows in the browser" any code in the "view" file in the visual studio program. Login page appears on the screen. The user first signs up on the "signup" page and then can login to the site from the "sign in" page. The user registered in this way is saved in the database.

Also there are two roles in our project, namely "admin and user". The admin role is only designated as the creators of the project. That's why admins are automatically saved in the database. Everyone else who registers in the system appears as a user in the system. Admin has the authority to add, delete and edit on the books, authors and comments pages in the project. The user, on the other hand, can comment on the book she/he wants, view the information on the books and authors pages registered in the system, navigate on the homepage and discover page.

Project Purpose

Our project is a book interpretation web page. You can add comments to the books, read and evaluate the book. So other people can get an idea before reading that book.

Functions Included in the Software

- First of all, a login and registration page was created in this system and assistance was made by logging in.
- The authors page was created in the database and the books in the database were added to help us reach the books.
- Features such as adding, deleting and editing books have been added to facilitate the manager's job.
- "Search for Books" and "Search Authors" have been added to make it easier to reach.
- Authorization feature has been added to the 'Most Reads'. A "Discover" section containing comments on the most read books was created. These features helped the user.

Components of Software

We used MVC architecture in library project because project management and control is more comfortable. Thanks to MVC, more than one person can contribute to the project at the same time.

- Model is the section where the business logic of the project is created in MVC so we divided project to models and added appropriate views and controllers to models.
 - We created separate models for members of the library, admins and authors.
 - We created models with book details, categories and authors for the books.
 - We created models where members can comment on the books.
- View is the section where the interfaces of the project are created in MVC.
- Controller is the part that controls the internal processes of the project in MVC. In this section, the connection between View and Model is established.

MVC Life Cycle:

1.HTTP Request: Response of requests by the server

2.Routing: The routetable decides which controller will undertake the incoming request

3.Controller: The controller decides which view to run

4.ViewResult: ViewResult calls the active ViewEngine to render the view.

5.ViewEngine: Converts pages to HTML.

6.View: HTML codes are presented to the user

7.Response: View displays over HTTP to the user

Functions That Can Be Included in the Software

- 'Add to Read' buttons and lists can be made.
- The most readers of the month can be selected.
- The users can visit other users' profiles.
- The books can be voted by users.