

Web Dev Project

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1 Project Links

Github Link: <https://github.com/ag03564/WebDev>

OneDrive Link: https://habibuniversity-my.sharepoint.com/:u:/r/personal/ag03564_st_habib_edu_pk/Documents/Web%20Dev.zip?csf=1&e=DqrwxB

2 Instructions on how to build the project

1. Go to the Github Link and download the SDS_DB.bak file. This is the backup file of our database
2. Go to Microsoft SQL Server Management Studio. Copy your Database Engine Server Name. We will use it in the next step. Right Click on the Database folder and select Restore option. Upload the .bak file and a new database will be created. Make Sure to name it exactly "SDS_DB.bak to avoid any naming issues.
3. Go to the OneDrive Link specified in this document and download the project. Open the sln file of the project. Go to the Web.Config file and add a connection to your own Database Server Name that you copied in the previous step.
4. After establishing connection of the database with the project, an edmx file will be added in the project which will contain the database design from SQL Server. Check the design of edmx file with the database design in SQL to make sure its connected successfully.
5. Now Run the Project and it will open a webpage application. Make Sure to launch the application from the HomeController or Home Views to land on the starting page of the Website

3 Completion Status according to the Project Proposal

As stated in our project proposal and while completing the required features stated in the final project document, we have successfully created a web-based application using ASP.Net MVC. The Website has a software on offer which a user can either download a trial version or purchase the full version. The user will have to make an account on the website before downloading or buying. The users information will be stored in our database. When the admin logs in, he can see the number of users whose amounts are due and those who have made the complete payment. The admin can edit,view,delete users information. Through LINQ Queries, the user can search for specific users based on their username or the amount left. As of now, automatic email generation to verify the user and the payment method has not been implemented yet.

4 Completion Status according to the Required Features

As per the required project features document:

1. Browser Based Application Created
2. Used ASP.NET MVC
3. ASP.NET WEB API is used to generate Random Number
4. LINQ Queries used in the searching section of the admin view
5. Custom Routing has been done for users to directly open the Download page by writing '/downloads/index' after the base URL
6. AJAX is used to create a PIE Chart for User to have a clearer view of number of users left to pay and those already paid
7. Caching is implemented in the About section of our Webpage. It will store the data of the About page for 10 seconds. If the page is refreshed before 10 seconds, the server won't send a request. Instead it will show the cached page
8. Session is used to maintain the logged in state of the user throughout the time duration he is on the website.
9. CSS has been used to beautify the website. The template was downloaded and then it was modified.
10. Public vs Authorized Access is implemented in the way that only admin gets to see the list of registered users while users only get to download the software.

5 Contribution to the Project

Inara Chagani has contributed in everything .. Contribution 100/100

Asad Gokal has contributed in everything .. Contribution 100/100