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Mecca User Login

Technical Details

IDE

Visual Studio 2013 Professional

Design

Responsive Website.

Technologies

C# ASP.NET MVC5, Angular, HTML5, BootStrap, CSS, log4Net (logging), IOC Container (Microsoft Unity)

Logging

Log4Net Library used for Error Logging, Current Path of logging file is the Web Folder of project.

Design Patterns

Inversion of Control (IOC) / Dependency Injection (DI) Pattern, Repository Pattern. Microsoft Unity Container is used as IOC container.

Unit Testing

Unit tests are part of the project.

Implementation Key Points

- Angular service is used to call the MVC controller to Sign in and Sign-out.
- Master Page is used to contain the top menu and resource files.
- Controller calls the Model and Model Calls the Interface. Interface are implemented by Repository. Repository is supposed to have access to DB logic. Domain Model should contain the actual Replica of DB tables' fields.
- Authorization Filters are used to check the login status on every action performed.
- Error Logging is performed on controller level, and Error log file is available in Web Project root.
- Page caching is cleared at the beginning of Project, so after logging out when the user tries to go back by history or clicking the browser back button, the user should see the login page.