

Technologies Used in the Project

1. **C# and .NET Core MVC** – Framework used for building the web application following the Model-View-Controller pattern.
 2. **MongoDB** – NoSQL database used for storing the latest five user logs.
 3. **MongoDB.Driver** – Official MongoDB C# driver for database operations.
 4. **ASP.NET Dependency Injection** – Used to inject the UserLogService for managing database operations.
 5. **Bootstrap (CDN)** – For styling and making the UI responsive.
 6. **IOptions Pattern** – Used for reading MongoDB connection settings from appsettings.json.
 7. **Singleton Service** – UserLogService is registered as a singleton to ensure one instance manages log operations across the app lifecycle.
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Project Features

1. Logging User Visits

- Each time a user visits the Home page, their IP address and visit timestamp are recorded.
- The latest five logs are stored in MongoDB.

2. Displaying Logs on the Privacy Page

- The Privacy page displays the last five logs stored in the database.
- Logs include the user's IP address and the time of visit.

3. Navigation Button

- A "View Privacy Page" button on the Home page navigates to the Privacy page to view logs.
- A "Back to Home" button on the Privacy page allows returning to the Home page.