**Technologies Used**

Front-End:

Angular (TypeScript)

Angular CLI

HTML5 - The latest version of Hypertext Markup Language for structuring web content.

CSS3 - Cascading Style Sheets for styling web pages.

Bootstrap - A popular CSS framework for responsive web design.

Angular Router (for client-side routing)

Jasmine and Karma (for testing)

Back-End:

ASP.NET Core - An open-source, cross-platform framework for building modern, cloud-based, and internet-connected applications.

Entity Framework Core - An Object-Relational Mapping (ORM) framework for database operations.

ASP.NET Identity - A framework for managing user authentication and authorization.

C# - A programming language used for ASP.NET Core development.

Database:

Azure SQL Database - A cloud-based, managed database service provided by Microsoft Azure.

Deployment and Hosting:

Microsoft Azure - A cloud computing platform for deploying, hosting, and managing applications.

Azure App Service - A platform-as-a-service (PaaS) offering for hosting web applications.

Version Control:

Git - A distributed version control system for tracking changes in source code.

GitHub - A web-based platform for hosting and collaborating on Git repositories.

Testing:

Jasmine

Karma

Documentation:

17. Markdown - A lightweight markup language used for creating documentation.

Continuous Integration and Continuous Deployment (CI/CD):

18. Azure DevOps - A set of development tools for software development, including CI/CD pipelines.

Monitoring and Performance:

19. Azure Application Insights - A performance monitoring and application insights service for tracking application behavior and performance.

Development Environment:

Visual Studio 2019 - An integrated development environment (IDE) for building and debugging applications.

Visual Studio Code - A lightweight, open-source code editor for various programming languages.