Students Handout

MVC-EF(Model View Controller)Workshop1

**Introduction**

In ASP.NET Core MVC, controllers play a pivotal role in handling user requests, orchestrating application logic, and managing interactions between models and views. This document explores two essential controllers within the "Mvc\_HireMeNow" application: PublicController and JobSeekerController.

**PublicController**

The PublicController is designed for public-facing actions, particularly user registration and login processes.

**Registration:**

Handles user registration form submissions.

Invokes the IPublicService to register the user.

Renders the user registration form for new users to provide necessary details.

**Login:**

Manages user login functionalities.

Displays the login form for users to enter credentials.

Authenticates users through the IPublicService and, upon success, sets session variables before redirecting to the job seeker's profile.

**JobSeekerController**

The JobSeekerController is responsible for actions related to job seekers, including job exploration, application submissions, and profile viewing.

**AllJobs:**

Presents a list of available jobs.

Optionally allows selection of a specific job for detailed viewing.

Retrieves job information through the IJobService and facilitates the display of selected jobs.

**ApplyJob:**

Handles job application submissions.

Retrieves user and job details from session variables.

Leverages the IApplicationService to add new job applications.

**Profile:**

Displays the job seeker's profile.

Fetches user information from the IUserService and utilizes AutoMapper to map it to a Data Transfer Object (DTO).

This overview provides insight into the roles and functionalities of the PublicController and JobSeekerController within the broader context of an ASP.NET Core MVC application, showcasing their significance in managing user interactions and facilitating seamless experiences.

**Conclusion:**

You have now explored essential aspects of ASP.NET Core controllers and sessions. Understanding how to manage user interactions and persist user-specific data is crucial in web development. Feel free to explore these concepts further and experiment with different scenarios.

Happy learning and coding!

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