



Data Validation and Data Passing

Data Validation

- Helps to ensure that the received data is correct and valid.
- Data should be validated at client side and server side.
- Prevent unwanted attack.

Data Validation Techniques



Server Side

Client Side

Server Side Validation

- Helps to protect your data from dirty input.
- As a best practice you must use.
- Server Side Validation Ways:
 - Explicit Model Validation (Traditional)
 - Data Annotations Model Validation

Client Side Validation

- Make web page highly interactive and user friendly.
- Save a number of request to server.
- Client Side Validation Ways:
 - JavaScript
 - Third Party JS Library/framework

Model State

- A collection of name and value pairs that are submitted to the server during a POST.
- Also contains error messages about each name-value pair, if such errors exist, during a POST action.
- ModelState is a property of a Controller instance that inherits `Microsoft.AspNetCore.Mvc.Controller` class.

Data Passing Techniques

- ViewData
- ViewBag
- TempData
- Session
- QueryString
- Cookies