

STATE MANAGEMENT

WHAT IS STATE MANAGEMENT?

HTTP is a stateless protocol, which means that the web server does not retain status about each user for the duration of multiple requests (each request is independent).

The idea is to enhance performance and make web applications scalable.

WHAT IS STATE MANAGEMENT?

However, we need some way to save information between requests.

Example: Moving contents from one page to the next.

Information can be stored on the server (sessions) or the client's machine (cookies).

PASSING DATA BETWEEN THE CONTROLLER AND THE VIEW:

VIEWDATA

ViewData is a dictionary object where we can put data in that will be available to the view

PASSING DATA BETWEEN THE CONTROLLER AND THE VIEW:

VIEWBAG

The ViewBag is a wrapper around the ViewData object that allows you to create dynamic properties.

PASSING DATA BETWEEN THE CONTROLLER AND THE VIEW:

TEMPDATA

TempData is also a dictionary. The difference is the life cycle of the object.

TempData keeps the information for the time of an HTTP Request.

This mean only from one page to another.

PASSING DATA BETWEEN THE CONTROLLER AND THE VIEW:

TEMPDATA

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SESSIONS

A Session is also used to pass data within the ASP.NET MVC application

It will reside for a long time compared to TempData.

It is valid for all requests.

COOKIES

Cookies composed of text and it is stored on the client's computer to be used only by the website setting that cookie.

Cookies allow web applications to save information for users, and then they can be used on each page if needed.

SESSION AND COOKIES DEMO DEMO!

RECAP

What you should know at this point:

- What is State Management
- How can we move data between the controller and the View
- What is a Session, and how to use it.
- What is a cookie, and how to use it.