Research Razor HTML Helpers. Provide 5 Helper controls, describe their usage and syntax, and also determine what HTML control gets rendered when using the HTML Helper. Comment on at least two other students' solutions.

**TextArea**

This provides a text area within a form with multiple lines. The default for which is 2 rows of 20 characters. The control for this helper is the form-control.

@model Student

@Html.TextAreaFor(m => m.Description, new { @class = "form-control" })

Renders in HTML

<textarea class="form-control" cols="20" id="Description" name="Description" rows="2"></textarea>

**DropDownList**

This helper provides ease of a drop down list from an option list for form data, whish is using the form-control in HTML.

@model Student

@Html.DropDownList("StudentGender",

new SelectList(Enum.GetValues(typeof(Gender))),

"Select Gender",

new { @class = "form-control" })

Renders in HTML

<select class="form-control" id="StudentGender" name="StudentGender">

<option>Select Gender</option>

<option>Male</option>

<option>Female</option>

</select>

**Hidden Field**

This helper provides hidden input elements, on the user end is usually a hover over element within a form to show a more detailed explanation of what form data should be entered and/or which fields are required.

@model Student

@Html.HiddenFor(m => m.StudentId)

Renders in HTML

<input data-val="true"

data-val-number="The field StudentId must be a number."

data-val-required="The StudentId field is required."

id="StudentId"

name="StudentId"

type="hidden"

value="" />

**Display**

@model Student

@Html.DisplayFor(m => m.StudentName)

Renders in HTML

The Students Name pulled from the model data in “” quotation marks.

**Password**

The password helper provides a strongly typed extension which allows for the characters being typed into a textbox be hidden from plain view. The HTML control is input as this method is an input extension.

@model User

@Html.PasswordFor(m => m.Password)

Renders in HTML

<input id="Password" name="Password" type="password" value="" />

Anderson, R. (2019, March 18). *Tag Helpers in ASP.NET Core*. Microsoft Docs. https://docs.microsoft.com/en-US/aspnet/core/mvc/views/tag-helpers/intro?view=aspnetcore-5.0.

*ASP.NET Core - Razor Tag Helpers*. Tutorialspoint. https://www.tutorialspoint.com/asp.net\_core/asp.net\_core\_razor\_tag\_helpers.htm.

*HTML Helpers in ASP.Net MVC*. in ASP.Net MVC. https://www.tutorialsteacher.com/mvc/html-helpers#:~:text=HtmlHelper%20class%20generates%20html%20elements%20using%20the%20model,to%20the%20model%20properties%20while%20submitting%20web%20form.