

Assignment 1

Bmi calculator

Jinish Patel | Asp.net | 01/06/2023

BMI Calculator:

Step 1: Creation of project with MVC.

A screenshot of a computer

Description automatically generated

Step 2:

Configure project as per directory and title.

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Step 3:

Model

For main logic which is useful to get BMI calculations.

Code:

using Microsoft.AspNetCore.Mvc;

using System.ComponentModel.DataAnnotations;

namespace Assignment1.Models;

public class Jinish\_Assignement1

{

[Required(ErrorMessage = "Please first enter Weight of the body.")]

public decimal? Weight\_236 { get; set; }

[Required(ErrorMessage = "Please first enter height of the body.")]

public decimal? Height\_236 { get; set; }

public decimal? CalculateBMI()

{

decimal? BMI\_236 = 0;

BMI\_236 = (Weight\_236 / (Height\_236 \* Height\_236)) \* 703;

return Math.Round((decimal)BMI\_236, 2);

}

}

Screenshot:

A picture containing text, screenshot, display, software

Description automatically generated

Controller:

Using controller to control which template will be used as GET request and POST request.

Code:

using Assignment1.Models;

using Microsoft.AspNetCore.Mvc;

using System.Diagnostics;

namespace Assignment1.Controllers

{

public class HomeController : Controller

{

private readonly ILogger<HomeController> \_logger;

public HomeController(ILogger<HomeController> logger)

{

\_logger = logger;

}

[HttpGet]

public IActionResult Index()

{

ViewBag.BmiValue = 0;

return View();

}

[HttpPost]

public IActionResult Index(Jinish\_Assignement1 model)

{

if (ModelState.IsValid)

{

ViewBag.BMI\_236 = model.CalculateBMI();

}

else

{

ViewBag.BmiValue = 0;

}

return View(model);

}

}

}

Screenshot:

A screenshot of a computer program

Description automatically generated with medium confidence

HTML file: Index.html

Code:

@model Jinish\_Assignement1

@{

ViewData["Title"] = "BMI Calculator";

}

<html>

<head>

<**link** href="~/css/site.css" rel="stylesheet" />

</head>

<body>

<h1 class="title" style='color:red'>@ViewBag.title</h1>

<**form** method="post">

<div class=" row col-12">

<span><label >Enter Your Weight :</label>

<**input** **asp-for**="Weight\_236" placeholder="Weight in Pound"/>

</span>

<**span** **asp-validation-for**="Weight\_236" style='color:red'></**span**>

</div>

<div class=" row col-12">

<span><label>Enter Your Height :</label>

<**input** **asp-for**="Height\_236" placeholder="Height in Inches" />

</span>

<**span** **asp-validation-for**="Height\_236" style='color:red'></**span**>

</div>

<div class=" row col-12">

<span>

<label >Your Body Mass Index is :</label>

<input value="@ViewBag.BMI\_236"/>

</span>

</div>

<div class="row ">

<span class="butt ">

<button type="submit" class="btn btn-primary">

Calculate

</button>

<**a** **asp-action**="Index"

class="btn btn-outline-secondary">Clear</**a**>

</span>

</div>

</**form**>

<div class="discription row justify-content-start">

<p>BMI Index range according for health</p>

<p>UnderWeight : =<18.5</p>

<p>Normal : 18.5-24.9</p>

<p>OverWeight : 25-29.9</p>

<p>Obesity : >=30</p>

</div>

</body>

</html>

Screenshot:

A screenshot of a computer

Description automatically generated

Output:

Static output:

A screenshot of a computer

Description automatically generated

Examples:

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A screenshot of a computer

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