

Design Document for Visitor Count Solution

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Objective

The goal is to implement a solution for tracking BucStop homepage page visits. This will provide a way to measure web traffic. The data can then help stakeholders make informed decisions based on site usage.

Solution Overview

This solution will involve creating new service, model, and front-end components that will mirror the logic of incrementing the player count so that we can count and display homepage visits.

Components of the Solution

1. JSON

- File Path: “/wwwroot/lib/homepagecount.json”
- Purpose: This JSON file will contain the HomePageVisitCount
- Details: { “Id”: 1, “HomePageVisitCount” : 0 }

2. Services

- File Path: “/Services/HomePageVisitManager.cs”
- Purpose: The HomePageVisitManager will be responsible for handling the logic to increment and store homepage visit counts.
- Implementation: Mirror the code from PlayCountManager.cs and alter it to fit our specific needs.

3. Model

- File Path: “/Models/User.cs”
- Purpose: Create a model class User.cs similar to Game.cs to store information about the homepage visit count.
- Implementation: Mirror the code from Game.cs and alter it to fit our specific needs.

4. Controller

- File Path: “/Controllers/UserController.cs”
- Purpose: A controller that will handle the logic in order to increment the homepage visitor count and display the data.
- Implementation: Mirror the code from “/Controllers/HomeController.cs” and alter it to fit our specific needs.

5. JavaScript

- File Path: “/Views/Home/Index.cshtml”
- Purpose: Use a javascript onload() method to call the HomePageVisitManager.IncrementHomePageCount() method everytime the homepage is loaded.

6. Display

- File Path: “/Views/Shared/_Layout.cshtml”
- Purpose: Display the homepage visit count on every page of the website.
- Implementation: Create a textbox in an area that will be displayed on every page on the website that will show the homepage visitor count.

Acceptance Criteria

- A functioning solution that counts, stores, and displays homepage visits.