**FED Assignment 2 Proposal**

**Chosen Theme: Theme 7 – Twitch Streaming Platform Statistics Website**

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**What is the TwitchStats Website?**

The TwitchStats Website is a Twitch companion website that improves the experience of Twitch users by providing all sorts of data and media relating to Twitch. There will be several pages, the login page, home page, channels page, clips page and games page.

* The login page allows users to login to first access the page, which reduces the chance of bad actors overwhelming the website.
* The homepage will serve as the hub where users can navigate to other pages. It also displays a brief overview of data relating to Twitch
* The channels pages will allow users to browse through the various Twitch channels as well as the statistics related to each channel
* The clips page will allow users to view clips from Twitch
* The games page will allow users to view the games currently being streamed on Twitch

**Why create the TwitchStats Website?**

**Users**

The TwitchStats Website is built for *gamers*, *Twitch content creators* and *Twitch viewers*.

1. *Gamers* who would like to find a new game to play can glean through the most popular games being played in the world and take their pick. They may also view clips to understand gameplay and learn about information related to the game as well as different ways to play the game. This makes the gamers’ experience more convenient.
2. *Twitch content creators* who would like to perfect their content creation strategies may look at the number of viewers watching streams of a specific game or topic. They may then tailor their content to match the most popular trends currently on the streaming platform to make their Twitch Channels more successful.
3. *Twitch viewers* can browse clips on the TwitchStats website as well as look at the highest performing Twitch personalities to find content most entertaining to them. This makes their experience more enjoyable.

**Design**

The TwitchStats Website will emulate the real Twitch website. This is since it is a tool that enhances the Twitch user experience for all stakeholders, having a familiar design helps Twitch Users navigate the site easily and comfortably. The colour scheme used will primarily be varying shades of purple or white and have black or white text depending on the contrast. Elements like clips, logos and profiles will remain its original colour.

**User Experience Considerations**

The design of the TwitchStats website emulates the Twitch site to a certain extent for the purpose of familiarity. Specific features implemented to improve user experience are as follows:

* Navigation bar to change pages easily. All links are large and clear enough for the website users to intuitively use.
* Simple colour palette ensures that the website has appropriate contrast and easy on the eyes
* Responsiveness for mobile users will be implemented so that users of different devices can utilise the website comfortably

**Technical Considerations**

In order to create the TwitchStats website we will need to use web development services, tools and languages.

1. Visual Studio Code or similar IDEs are necessary to develop the website
2. HTML, CSS and Javascript will be necessary to implement the base elements, design and functionality of the website
3. The bootstrap library will be used to simplify the development of the website
4. Github will be used for collaboration and version control
5. An api will be used to retrieve the statistics from Twitch
6. Lottie animation will be used to entrance users
7. A database system (RestDB) may be used to store account information