Capstone Project
EXALTED BELTWAY

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Abstract

This poster will briefly describe how I have built a torrent web server named "Exalted Beltway" that lets you download your preferred files using a magnet link without using any ads. The above-mentioned web server has been built using Node.js and JavaScript as the programming language.

Introduction

Torrent websites have become a cheaper way to download files(eBooks, software, tv shows, movies, etc) for the young minds that lack the resources to purchase the original content. They help users get access to content that is unavailable in their country. But the problem with most torrent websites is that many of them are blocked by governments and institutions. People have to use low-speed VPNs to access these websites which absolutely destroys the download speed and consumes unnecessary data that could be used on other important downloads. When a user tries to download directly from these torrent websites, they are bombarded with irrelevant ads that consume the time and energy of the user. I aimed to create a web server that resolves these problems and provides a better experience for the user.

Proposed Method

To build a self-hosted server using Node.js and JavaScript as the programming language. This web server will provide a minimalist web UI and will be devoid of any Ads and viruses. The user can insert the magnet link and then directly download the file to their computer with the push of a button. It provides a seamless experience for the user. It downloads the files at a much faster rate than most torrent sites.

Experimental Results and Discussion

After the trial-and-error phase of implementing the code, I was able to create a minimalist experience with only two front-end pages. Home page and the following download page.

Radical Dreamers - Thieves of Fate

01 - ktriton, pol, Christian Pacaud - Days of Summer V2 (Days of Summer).mp3	10.9 MB
02 - DrumUltimA, the prophet of mephisto, Geoffrey Taucer, Level 99 - Thieves of Fate (...	6.2 MB
03 - OA - Fury and Tears (Gale).mp3	6.6 MB
04 - the prophet of mephisto - starbright (Under the Moonlight).mp3	2.7 MB
05 - OA - Loneliness (Strange Presentiment).mp3	5.8 MB
06 - ellywu2 - Sexy Boy (Strange Presentiment).mp3	3.7 MB
07 - OA - Thrash's Snakebone Pit (Snakebone Mansion).mp3	5.4 MB
08 - Geoffrey Taucer, Ross Kmet - Scar Sealing Girl (The Girl Who Stole the Star).mp3	8.7 MB

06 - ellywu2 - Sexy ...mp3
0.5/3.7 MB, 17 secs left

Show all downloads

Conclusions

The project was implemented on par with the vision to create a web server that provides a seamless UI without any Ads. I'm thankful for having the opportunity to work on this type of project.

References

- https://www.youtube.com/watch?v=TlB_eWDSMt4
- https://www.youtube.com/watch?v=VShtPwEkDD0

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