

Capstone Project 2 Personalized Video Game Recommendation System for reddit user

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1. Introduction:

Video game industry is a booming business, and there's large profit if you can successfully recommend the right game to the right person. Various recommendation systems for video games have been built for gaming platforms or gaming forums, but the problem is those platforms can only recommend games to gamers that already visited those platforms. If we can recommend games to a broader audience without them visiting a gaming specific platform, it will be largely beneficial for both gaming companies and gamers, as well as forum platform providers. For gamers, they can get recommendations for games they most likely will be interested in and get to play some awesome games they will like. For gaming companies, they can push the correct game to correct gamers in order to increase their profit, as well as analyze the market environment for specific gaming genres. For forum platforms, they can increase their ads efficiency by providing personalized games recommendations.

In this project, we intend to use reddit as a platform for video game recommendation. Reddit has a very well built API allowing us to retract user's comment and submission information to analyze user's information.

For game information, we use Rawg API to retract 394k game's information including name, genre, platform, tag and metacritic scores.

For the final product is to build a website that users can input their or other's reddit user name, the website will analyze their comments and give a list of the user's current favourite game and recommended game for the user.