

Assignment 7

Constraint Essay

SpotifyStats

SpotifyStats, which is our analytics and prediction tool used to shed some insight onto Spotify users listening history and habits has a few different constraints in regards to security, ethics, and law. With the collection and allocation of users data from a third party source there must be some protocols on how to handle user data and keeping transparency with them in regard to how their data is being used. As far as security goes we are using the Spotify API to fetch user data. As a baseplate that provides us with a decent amount of security and inability to fetch things not allowed by Spotify or the user. Maintaining a secure pipeline of data from our parsing backend to the front end would be important. I do not see storing data being an issue considering we would not be storing any user data, it would all be transported and displayed live. Ethically, the implication is the same as security which is just maintaining a secure pipeline from backend to front end so that no user information can have any moral impacts. Legal constraints would be making sure we use the Spotify API the way the company wants and abide by their terms and conditions. Overall, this project is conflict free assuming due diligence is done on the terms and conditions of the API and we maintain security in terms of the user data we are using. There should be a privacy policy in place to let users know what data is being used.