Data Mgt & Database Design

INFO 6210 Summer Full 2019

Team Formation & Database Topic

1. Team Formation

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1. Database Topic

With the development of the smart phones and app stores, more and more companies developed convenient software to meet user’s need. Based on this condition, we want to do some research in the topic of “Google Play Store Apps” with web scraped data of 10k Play Store apps for analyzing the Android market.

The Play Store apps data has enormous potential to drive app-making businesses to success. Actionable insights can be drawn for developers to work on and capture the Android market!

The data set which saved into the database will contain these following aspects: **Rating** which shows how well this app in users’ evaluation; **Installs** which means how many times this app is downloaded by the users; **Type** which shows whether it is for free or should be paid, the same for other columns.

1. Mission Statement

With all the data are scraped from the Google Play Store, on one hand, these data will show which software or game is more popular in the current application market; on the other hand, these data will also allow us to predict the prospects and market share for the future application market.

Our mission is to use a database to store multiple sets of data, and use the data stored in the database to analyze the future development plan of Google Play Store Apps in the game and software market.

1. Mission objectives

App : Application name;

Category : Category the app belongs to;

Rating : Overall user rating of the app (as when scraped);

Reviews : Number of user reviews for the app (as when scraped);

Size : Size of the app (as when scraped);

Installs : Number of user downloads/installs for the app (as when scraped);

Type : Paid or Free;

Price : Price of the app (as when scraped);

Content Rating : Age group the app is targeted at - Children / Mature 21+ / Adult;

Genres : An app can belong to multiple genres (apart from its main category);

Last Updated : Date when the app was last updated on Play Store (as when scraped);

Current Ver : Current version of the app available on Play Store (as when scraped);

Android Ver : Min required Android version (as when scraped);