**Magic the Gathering Report**

**Team:** Dean Tolmachoff, Cameron Lukos

**Report:**

We created a postgressql that compares the prices of a set of Magic the Gathering cards from two card reseller websites (Card Kingdom and TCG Player). The database holds two tables that contains the name of the card, what card set the card comes from, and the price from the respective website the information was collected from and one table that shows a comparison of the prices.

To generate the table we first created a python list of twenty magic cards. The list was based on cards that were owned or already known from personal experience. From that list we created two webscrapers that searched Card Kingdom and TCG Player for each card in the list and pulled the card set and the listed price of the card in text form from html. The card name, the card set, and the price of the card are all stored into a python table. The table from each website were then converted and loaded into a postgressql database. Once each of the tables were uploaded a table join was also done so the prices of each card could be easily compared. The columns on the comparison table were adjusted to more easily reflect the information as well. This comparison table was also uploaded to the postgressql database for storage.