Data Entry Bucket

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   Data is the most important aspect for our project since it is essentially a large database of procedures that a user can search and filter from. To enter the data we first acquire the CSV files from the hospital; each hospital has a separate database on our server for easier data retrieval. Then an algorithm uses the CSV file to input the information into the database. The algorithm pulls the procedure name and price while the location is stored in the database of hospitals. Since many hospitals use different names for the same procedure, I will also implement a simplification algorithm that will look for differently named procedures and rename them to the most common variant. This will allow users to easily search for a specific procedure and have all relevant results found. There will also have to be error checking that prevents duplicate data from being entered; it will also check that proper values are being pulled, such that the price of the procedure must be a number and not a word. This data entry procedure will allow for easy updates to prices and procedures while providing fast results for users.