E.C.H.O. Sort Technical Abstract

Descriptive:

Most people in the United States do not have sufficient insurance to cover an injury. Hospitals have different prices for said injury, and patients want the best "bang" for their buck. In most instances, they want to spend the least amount of money possible, as they would be paying out of pocket for the procedure. E.C.H.O. Sort is a web application that aims to allow users to find a hospital based on an injury from a list of given injuries from a diagnosis-related group. They can sort these hospitals by preference of price for given injury or the distance the hospital is from their location (some injuries may require immediate attention), thus allowing them to pick one that suits their urgency as well as economic restrains.

Informative:

E.C.H.O. Sort will look to improve upon a given data set from a United States .gov website and provide better visualization for this data set along with making that data set more practical for its users. Implementation of SQLite will be necessary to build a database out of this data set and Python programming language will be needed for communication between the database and the web page. As for the development of the website itself, there will be a conglomeration of HTML5, CSS, and Javascript to make up the front end.

Developed by:

Amina Bashir

Asif Chayan

Jeffery Young

Presley John