

CS 122 Project Proposal

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Project Summary:

We are going to use data from the City of Chicago and from Yelp to create a web-accessible database that provides quick access to both restaurant ratings and information about the health code compliance of the restaurants. We will create the database such that users can, for example, input the name of a restaurant, and receive its Yelp rating, the date of its most recent food inspection, the dates of any failed food inspection, the risk level that the city assigns the restaurant, and the reasons for any failed inspections. We will also make it such that users will be able to find nearby restaurants, if they are unhappy with the results of the restaurant they originally searched, and will be able to find the closest “L” train stations from which the restaurant can be accessed. This will make restaurant data more easily accessible to the population, and will provide a platform where restaurant ratings and safety information can be simultaneously viewed and compared, which does not exist right now.

Project Timeline:

We would ideally like to have built our database by sixth week, and from sixth week through ninth week we will construct the methods through which the database can be queried, so that the information that we amass will be publically available. In order to construct the database, we will use the City of Chicago data portal, and will likely need to construct a web scraper to gather the data we desire from Yelp, or create a method by which to send queries to their API. By tenth week, we would like to have the project nearly finished, and will debug and test the code in preparation for our presentation.