

### Stax Milestone #3

The DBMS software that we will be using for our project is MySQL. We will be using it for two purposes. One, to store user info, and two, to store user favorites that will then be used to narrow down deals to those relevant to the user. Of course, these tables cannot be prepopulated. Instead, they will be added to whenever a new user signs up for Stax and whenever they favorite something.

Our users table will store the user's name, username, and password in an encrypted form. We will also include a user id which will be used to join the favorites table. This table will store the user id and the store which they've favorited.

Overall this is a very simplistic database design, but it will effectively suit our purposes. We considered perhaps storing deals in the database, but decided against this as it would require more server scripts to ensure that all the deals in the database were current and the benefit of not running the web scraping every time would be minimal at best. The ERD representation of our database is shown below.

