Penn Restaurants: An Interactive Map
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**Introduction**
For the typical Penn student, it is easy to find telephone numbers of local restaurants and even to order food using the internet. However, what if someone wants to make plans ahead of time? It would be helpful to have a quick and easy view of a map of restaurants. I am providing just that. What makes my system unique is not only that it is localized to Penn’s campus. It also provides an easy-to-use comments page for each restaurant. Eventually, users will be able to log in with their Penn IDs and post comments of their own. Thus, others can view their peers’ thoughts about a particular restaurant.

**The Map**
The map of restaurants is where the typical user will navigate first. Shown here is an example of the information box that appears over a restaurant when its position on the map is clicked. The info. window has a link to the details page for the given restaurant. Here, users can also choose to hide certain restaurants from the map, such as locations that do not take credit card, or that are not open on Friday nights, etc.

**Details Pages**
Each restaurant on the map has a link to a details page. The details page for a restaurant contains information about the restaurant’s address, phone number, and hours of operation, as well as cuisine type and methods of payment accepted. This page also has a link to the restaurant’s menu if available, and a link to the comments page, which is described in the next diagram.

**The Database**
The database is the heart of my system. It stores all of the data the site needs and it is really what runs the entire site. I use two tables: one for restaurants, and another for comments. The map and details pages grab information from the database, while the add restaurant page sends information back to modify the database.

The comments page is the only page that both grabs information from the database and sends information back. This is because a user can view already posted comments on a given restaurant as well as add some of his or her own feedback.

**New Restaurants**
This is the page that will be accessible to restaurant owners. To add a record to the database, the restaurant owner fills out the required fields. This page also offers restaurant owners the opportunity to upload a menu and a customized logo to be used on the map, details, and comments pages. Essentially, this is a simple form that a small establishment can use to create its very own website using my design.

**Comments Pages**
This is the part of the site that caters specifically to Penn students. Here, one can view previously posted comments together with the date and time of posting. Thus, users get to see what their fellow students thought of the restaurant. Additionally, a user can post his or her own comments about the restaurant. As the site continues to grow, this section will only become more powerful.