

# Austin Coding Academy - Back end assignment

## Problem 1 - Database manager GUIs

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Although knowing how to manually interact with MySQL databases from the command line is an important skill to have, Database manager GUIs greatly simplify the process of exploring the structure of a database and the data it contains.

Download a database manager GUI based upon your operating system:

- OS X - [Sequel Pro](#) (free)
- Windows - [Heidi SQL](#) (free)

**NOTE:** Sequel Pro is very high quality software despite the \$0 price tag. HeidiSQL, on the other hand, gets the job done but is not nearly as polished. Unfortunately the only database manager GUI that compares to Sequel Pro on Windows is [Navicat](#), which comes at the cost of \$150. Navicat does have a [14 day free trial](#) though!

Research how to connect to a MySQL database using your chosen database manager. Problem 2 will use a MySQL database with the following credentials:

- Host: `ribbit.ccoeftb2lfct.us-east-1.rds.amazonaws.com`
- Port: 3306
- Username: student
- Password: austincoding
- Database: ribbit

Use the listed credentials to connect to the database using the database manager and explore its structure and data.

## Problem 2 - Ribbit

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As a back end developer, sometimes the front end team will create the UI first before it has been populated with data. It then becomes the job of the back end team to take the hardcoded template and make a dynamic version of it.

### Your assignment

You work at Ribbit, a twitter clone hoping to cash in on VC funding. The front end team has handed you a static HTML document representing a list of all user “ribbits” (tweets). A database containing the ribbits and user profile information has already been created and populated with data.

Use the information provided in Problem 1 to connect to the database containing the profile data and ribbits.

### Requirements

Use PHP to fulfill the following requirements

#### Requirement 1

Users should be able to list all ribbits from all users. The ribbits should be ordered by most recent ribbits listed first.

#### Requirement 2

Users should be able to list ribbits for a specific user.

#### Requirement 3

Users should be able to see a list of all Ribbit user names.

### Bonus

Allow the user to search through the contents of ribbits and return ribbits matching their query.

### Evaluation

The end result should resemble the `ribbit.html` template provided to you by the front end team, but now the results should be dynamic based on database queries.

Credit: Ribbit template provided by [Tuts+](#)