CSCI-UA:0060-02

Database Design &
Web Implementation

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Lecture #22: Finishing Twitter out of PHP and MySQL
Administrivia

- **Homework**
  - HW 8 Is Out

- **Do Some Reading**
  - Chapters 9-11 PHP & MYSQL Book

- Grader situation.
On The Menu

- A Bit More on PHP and mysqli
- Building Twitter
  - Follower Count
  - Delete Tweets
  - Tweet Stream
  - Messages
MySQLi - A Bit More

- The Canonical Query
  - $result = mysqli_query($database_connection, $sql);
- What is to be done with $result?
- What we've seen
  - while ($row = $result->fetch_assoc()) {
    ...
  }
- There's more!
MYSQLI - More Goodies

- $results->num_rows;
  - Return the number of rows in the result
- $results->fetch_row();
  - Return the results as a numeric array (not associative).
- $results->fetch_array (MYSQLI_ASSOC | MYSQLI_NUM | MYSQLI_BOTH);
  - Return the results as a the specified type of array
A bit more about mysqli_query()

- $results = mysqli_query($database_connection, $sql);
- What is results set to?
  - A mysqli_result for SELECT, SHOW, DESCRIBE or EXPLAIN queries.
  - TRUE for all other successful queries
  - FALSE if the query fails.
MYSQLI - More Goodies

- $result->fetch_all(MYSQLI_ASSOC | MYSQLI_NUM | MYSQLI_BOTH)
  - Return all rows as an array of arrays in the specified format.
MYSQLI - More Goodies

- `$database_connection->affected_rows`
  - Return the number of rows affected by last operation.

- `$database_connection->error`
  - Returns the last error message for the most recent MySQLi function call that can succeed or fail.
Hidden Inputs In Forms

- `<input type='hidden' value='hidden_value' name='some_name'>`
Let's Review

- **User View**
  - Show user photo, bio and username
  - List All Tweets for a Given User
  - List All People Followed By User
  - Tweet Streams
    - Show all tweets for the users followed by a user.
    - Show all tweets for a given user
  - Post a Tweet


**Lets Build**

- **User View**
  - Following Count
  - Follower Count
  - Delete Tweet

- **Tweet Stream View**
  - Tweets
  - More Tweets

- **Message View**
  - Inbox
  - Compose Message / W dropdown