Welcome to the CS306 Phase 2 project web application. This application allows users to manually submit reviews into a MySQL database. Behind the scenes, triggers and procedures automatically handle database updates such as average rating calculations, user reputation updates, and restaurant flagging.

This guide is about how to use web application.

**Technologies Used**

* **Frontend**: HTML + CSS
* **Backend**: PHP
* **Database**: MySQL (via phpMyAdmin)
* **Server**: XAMPP (Apache + MySQL)

**Steps : Fill Out the Review Form**

* **User ID**: Enter your user’s ID (e.g., A001).
* **Restaurant ID**: Type the restaurant’s ID you want to review.
* **Review ID**: Provide a unique ID for the review.
* **View Date**: Select the date the restaurant was visited.
* **Rating**: Choose a number between 0 and 10.
* **Likes**: How many people liked this review?
* **FollowUps**: How many follow-up comments or shares were generated?

Click **Submit Review** when done.

**What Happens Behind the Scenes**

* A new row is inserted into the has\_view\_reviews table.
* **Trigger 1** updates the restaurant's average rating.
* **Trigger 2** flags the restaurant if its average rating drops below 4.
* **Triggers 3–5** call a stored procedure to update the user’s reputation based on:
  + Reviews written
  + Likes received
  + Restaurants marked

**Additional Info**

Triggers and procedures are already pre-configured in phpMyAdmin under the cs306 database. Also don’t forget don’t we simulate what would happen when a user use this application but since this project is about observing triggers and procedures, we provide all data for each columns.