

Team 2: Courier Tracker

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Description of API:

We will use phpMyAdmin to create our database. We will use PHP and MySQL to access and query the database and to insert, get, or remove information from the database. We will continue using HTML and CSS for our user interfaces. We will use JavaScript and React to add interactivity to the UIs. Our black-box will be created with the PHP, JavaScript, and React portions described above.

Possible Functions and Descriptions

- `checkLogin(username, password)`
 - Checks database for information submitted through the login form. If correct, the user can proceed to the homepage. If incorrect, the user is prompted that the username and password are incorrect.
- `insertLogin(username, password, firstname, lastname, phoneNumber)`
 - Creates a new record in courier table to denote a new courier being registered
- `displayDeliveries()`
 - This is called when the page is loaded. This queries or goes through the database selecting and displaying all the information from the deliveries table.
- `confirmDelivery()`
 - Displays alert box at the top of the page asking the courier to confirm that they have chosen this delivery.
 - If yes, `deliveryStatusUpdate()` is called. Then `sendCustomerInfo()` is called. Lastly, `insertPastDelivery()` is called.
 - If no, the alert box is removed.
- `deliveryStatusUpdate(deliveryID)`
 - This is called when a delivery is confirmed. It has an array of possible values:
 - {empty, confirmed, in progress, delivered}
 - When a delivery is created, the status is empty. When this function is first called the delivery status is incremented and updated to confirmed and so on. Once it is on delivered the delivery becomes a part of .
- `sendCustomerInfo()`
 - This is called when a delivery is confirmed. The page with the delivery status of the delivery is sent to the email provided on the delivery record.
- `insertPastDelivery(deliveryID)`
 - This is called after the delivery is confirmed. Using MySQL, we will insert the record corresponding to the deliveryID into the couriers past deliveries table.

Picture(s)

Front-End [html & CSS] Middle Tier [Php, React JS] Database [MySQL & PHP admin]
 login/register → Php register → add user to table
 Courier → Php admin → Validation
 Detail page React JS
 Retrieve post → JS → verifying
 Tracking

