# Contacts App Flow Diagram

A diagram of a software development process

AI-generated content may be incorrect.

# Contacts Sequence Diagram

A diagram of a web page

AI-generated content may be incorrect.

Summary of Interactions:

1. Loading Contacts on Page Load

* The user opens the web page (index.html).
* The page immediately sends a GET request to get\_contact.php using JavaScript's fetch() function.
* get\_contact.php runs a SELECT \* FROM contacts query to retrieve all contacts from the MySQL database.
* The retrieved data is returned as JSON to the frontend.
* The frontend parses the data and displays the contact list in an HTML table.

2. Adding a New Contact

* The user fills out a form on the page and clicks "Add".
* The frontend sends a POST request to add\_contact.php with the form data (e.g., name, email, phone).
* add\_contact.php inserts the new contact into the MySQL database using a INSERT INTO contacts (...) SQL statement.
* After insertion, a JSON response is sent back indicating success or failure.
* If successful, the frontend refreshes the contact list by calling get\_contact.php again to fetch the updated data.
* The updated contact list is displayed to the user.