M4
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Summary: Our project is a Ticket Managing System, similar to Ticketmaster. Users can buy and sell tickets, reserve parking, and follow their favorite artists. Additionally, tickets can be discounted with coupons and artists can book venues.

Timeline:

Week 1:

- Setup local server using Node and Express library that listens on request from front end
- Create PostgresSQL Database and Table
- Setup Pool configuration to connect server with database
- Add table for Users
- Add table for Tickets
- Build Routes with postgreSQL queries
- Setup Postman so we can test our database as we create it

Week 2:

- Be able to
    - INSERT - User data into user table
    - UPDATE - Price of ticket
    - DELETE - Remove ticket from listing after purchased
    - SELECT - Only show tickets for specific artist
    - PROJECTION - only shows prices
    - JOIN - Users join with tickets
    - GROUPBY - COUNT number of users who have purchased a ticket for each artist (toggle)
    - HAVING - Return the name of artists who have sold more than 20 tickets
    - NESTED GROUP BY - find the average number of tickets per user
    - DIVISION - List of all names who have purchased tickets for a specific artist

Week 3:
Front-End using React:

- Login (First Page)
    - Email field
    - Password field
    - Login button -> ticket listing page
    - Register button -> register page

- Register Page
    - Email field
    - Password field
    - Birthday field
    - First Name field
    - Last Name field
    - Register button -> ticket listing page
- Ticket Listing Page (Home Page)
    - Table of tickets tuples
        - Check box next to each tuple
    - Add to Cart button
        - Clicking add to cart button will add all the tickets that are selected to the “cart”
    - User Profile button
        - Takes user to the User Profile page
    - Artists Page button
        - Takes user to the Artists Page
    - Create event button -> event page
- User Profile Page
    - Tickets owned
    - Info about the user
    - Home page button -> ticket listing

Week 4:

- Linking Front-End with Back-End:
    - POST data to the server/database after adding it on the front-end
    - Map data from the server/database to the table on the front-end
    - Delete data from the server/database after deleting on the