Based on the following PRD and inspiration screenshots. Thoroughly investigate the codebase, understand the suggested feature, and come up with a robust plan to implement the feature. Keep code maintainable, easy to understand and read, and consistent. Using consistent variable names and best practices.

Lets create a plan to implement the following PRD in different phases:

- Framework setup and frontend
- Connection to camera
- Connection to ticket / qr code generator
- Deployment check and connection to databased

PRD: SVDP Event Tracker Web App

Problem Alignment:

The Problem:

- SVDP Guadalaupe Conference is a volunteer organization for people in need. They are hosting their annual christmas breakfast and toy giveaway, giving pre allocated toys to families in need that signed up to attend. They currently have no easy to use way to issue tickets, track attendance, and track families and adults / children. The current method is done via a printed out spreadsheet which can get time consuming, confusing and inconsistent.

High Level Approach:

- Build a simple web app that can be used by volunteers to issue tickets and track attendance.
- Ticket Issuance:
    - A week before the event, volunteers will go family by family calling those who previously signed up to RSVP for the event. On confirming attendance and details (adults, children), volunteers should be able to use the web app to create a record of the expected attendance and issue a sort of e-ticket.

        - Records of issued tickets should be logged to a connected database (this is for non-technical ppl so database should be easily accessible excel style - maybe airtable or google sheets)
- Day of Event Tracking:
    - Web app can be used by volunteers to scan tickets, seeing expected attendance and can confirm / modify the actuals.
    - Attendance should be logged (time etc..)
    - Should also be able to issue tickets or manually add in a participant if someone shows up without a ticket.
        - I.e. they can track a participant that just showed up without having to issue them an e-ticket.

Goals & Success:

- Increase ability for volunteers to track attendance to the christmas breakfast
- Reliably help the non profit to track attendance for this event
- Web app should be able to handle multiple volunteers scanning at once and issue tickets at once. Relatively low numbers (around 15 to 20 total volunteers, at the highest level we'd have 10 ish volunteers using the web app at once)
    - Around 100 expected attendees.
- Web app should not crash for the duration of the event.
- Increase digital adoption and tracking in the non profit
    - Ppl using this wont be tech forward, so should be really easy, understandable to use and follow common UI patterns.

Solution Alignment:

Key Features:

- Users should be able to:
    - Easily understand what they need to do.
    - Have an option to scan tickets or issue tickets. See a history of tickets they have scanned
- Data should get reliably sent and logged to database

Key Flows:

- On ticket issuing flow:
    - Users can select to create a ticket where they will enter:

        - Recipients name
        - Total group size
        - Number of adults / number of childrn
        - Contact pohone number
        - And like a rsvp confirmed check
    - This should issue a pdf or jpg picture of the ticket w a qr code. Ideal scenario would be some sort of link that can be added to users digital wallet
- On attendance check flow:
    - Users can select to scan a ticket. On scan should be expected info and can confirm or modify
    - Users can admit entry to someone without ticket, theyd just need to manually enter the same info
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Open Issues & Key Decisions: