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**Project Proposal:**

***Requirements (Corresponds to Numbering Below):***

1.    Deployable with a landing page and at least 3 unique pages

2.    Utilizes a PostgreSQL database

3.    Uses HTML forms (buttons, input, dropdown, checkboxes, etc.)

4.    Dynamically changes images based on user preference

5.    Login functionality with user management and security

*Idea One (Ward Prayer Roll, Attendance, and Ministering):*

Our first plan is to create an app to help wards make a ward prayer roll and potentially keep track of ministering needs.

1.    This app would have multiple pages. It would have a page for a current ward prayer event, a page to review previous ward prayer rolls, a page to track ministering needs outside of ward prayer, and a page to help record attendance for other events (priesthood, relief society, sunday school, etc.).

2.    We would use a PostgreSQL database to keep records of users, names they’ve submitted, historical prayer roll data, attendance for events, and ministering needs submissions.

3.    Submitting a name, attendance, or ministering needs would utilize the HTML form functionality.

4.    The users could select an image or theme for their prayer roll. Additionally,

we could implement a carousel of images to illustrate where the needs of the ward may lie (health concerns, school, family, etc.)

5.    We would have different user rolls. Bishopric and other church leadership would have access to historical data. System administrators would have access to admin pages. Normal users would only be able to submit names, mark attendance, and inform about ministering needs.

*Idea Two (Movie, Book, Video Games, Music, and more: All-Inclusive Tracking, Rating, and Entertainment Sharing):*

Our second plan is to create a web app that tracks entertainment wish lists and personal ratings. Most people have a list of movies they want to watch, or even books they’d like to read. The app would combine this wish list with the ability to track the completion of an item on the wish list, as well as a rating tool to remember your experience.

1. The app would contain a landing page linking to several different areas of the site, one being the wish list, another page showing the completed items from the wish list, and a third being the ability to share and view specific wish lists with friends.
2. A PostgreSQL database would keep track of the different wish list items, their corresponding ratings, completion dates, and more.
3. All of the uploads, wish list and ratings interaction, as well as the sending and receiving of shared lists would require plenty of HTML forms with different tools to receive and save input.
4. There are multiple ways that we could include dynamically changing images. One could be customization of the appearance of the site, like a background that automatically adjusts to the poster of the most recently watched movie, or including those movie posters as thumbnails for selecting and viewing old ratings.
5. The login functionality would help make all of the sharing aspect possible. The user would use an email and password to sign up. The email would then be used to send and receive friends’ lists.