

1. Conceptualize another feature of your app

To develop a weight tracker for the app, we would implement a feature allowing users to input their current weight and track it over time. This would involve using form validation to ensure that the input data is in the correct format (e.g., numerical values only). Additionally, we would create a weight model in the database to store the entered weight values, along with the associated user ID and date.

To visually represent the weight data, we would implement a graph feature similar to the one used in the step counter. This graph would plot the user's weight values over time, providing an intuitive way to monitor trends. The graph design would adhere to established coding conventions, emphasizing modular and reusable components. Data would be retrieved securely from the database via API endpoints and validated for consistency before rendering.

2. Explain the architecture of your app

The code will execute within the app when a new weight is entered. It will terminate after updating the graph with the new data and storing it in the database. We chose this starting point to ensure the graph is updated immediately upon receiving new data. The endpoint was selected because it marks the completion of all necessary operations related to the new data.