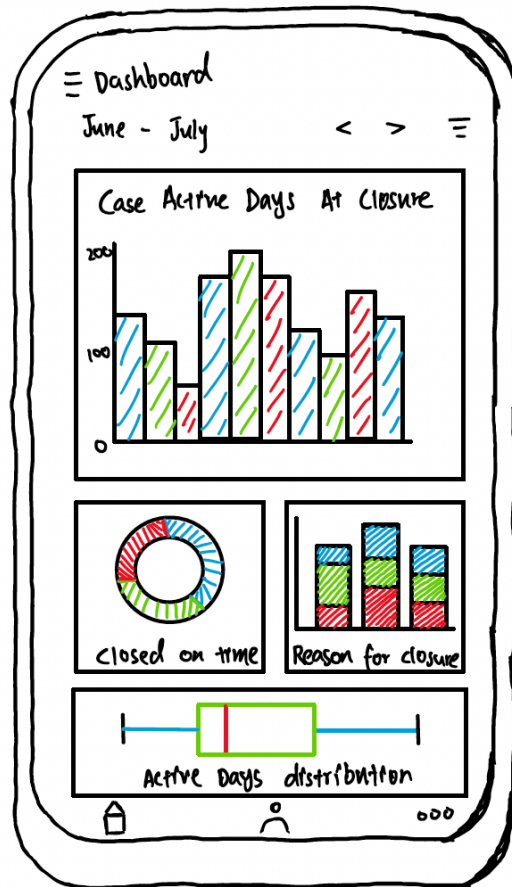


Application design:



Title and Settings Icon: The top section features a title "Dashboard" and three horizontal lines for settings, ensuring easy navigation and access to customization options.

Filter Section: A filter section allows users to select and customize the date range (e.g., "June-July"). This includes navigation arrows for easy date range adjustment and a manual selection option for precise customization.

Main Dashboard: The primary focus of the dashboard is a histogram titled "Case Active Days At Closure," providing a visual representation of data related to active case durations.

Secondary Dashboards: Below the main section, there are two smaller dashboards. One presents a pie chart titled "Closed on Time" and the other showcases a stacked bar chart titled "Reason for Closure," offering different insights into closed cases.

Final Dashboard: At the bottom, there's a dashboard displaying a boxplot titled "Active Days Distribution," potentially offering a different perspective on case durations.

Navigation Icons: The bottom of the page includes icons for easy navigation—home, profile, and about/more.

In terms of design choices and implications:

User-Friendly Navigation: The use of intuitive icons for settings, date range selection, and navigation enhances user experience and accessibility.

Data Visualization Hierarchy: The layout emphasizes the main histogram, followed by supporting visualizations, ensuring the primary focus is on the most critical data while offering supplementary insights.

Dashboard Composition: The combination of different chart types (histogram, pie chart, stacked bar chart, and boxplot) enables varied data representation, catering to different user preferences or analytical needs.

Interactivity: Consider adding interactive elements to the charts (e.g., tooltips, click functionality) to enhance user engagement and data exploration capabilities.

Scalability: Ensure the design accommodates scalability, allowing for additional visualizations or functionalities in the future without cluttering the dashboard.

Backend design:

