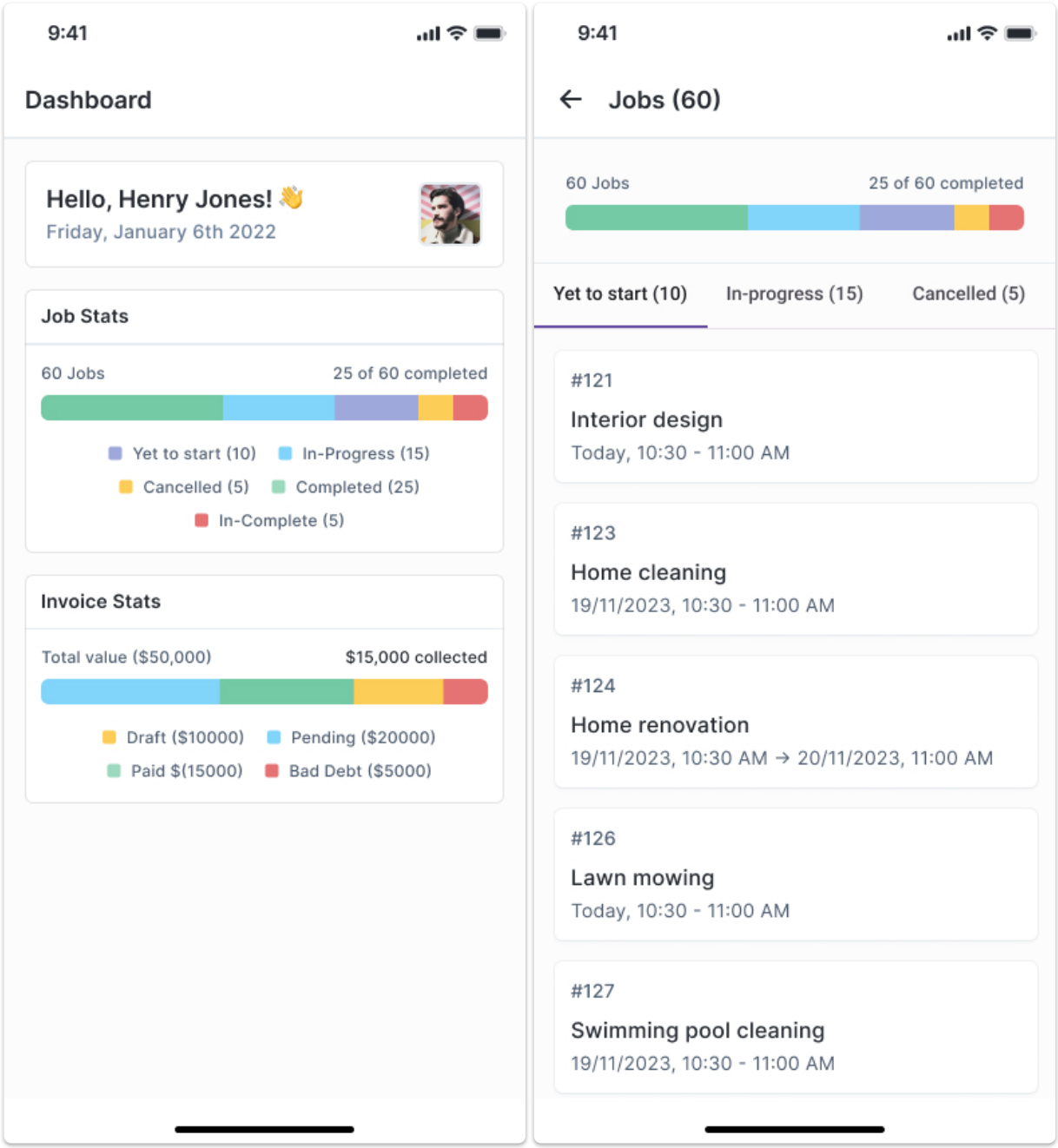
Dashboard Project

Design



Project Details

- The app has 2 screens, the dashboard and the jobs screen
- Dashboard
  - A simple profile card with a greeting, today's date and a profile picture. You can use any profile picture
  - Job stats card

        - Consider "Jobs" as small tasks to be done. For eg, "Home Cleaning", "AC installation" can be considered as jobs
        - A job can be in any one of the following statuses : "Yet to Start", "In Progress", "Canceled", "Completed", "Incomplete"
        - Job stats chart shows a visual representation of the stats
        - The numbers shown in this card are the total number of jobs in each status. For eg, in the UI design, 10 jobs are in "Yet to start" status
    - Invoice stats card
        - Invoice is a document which has the cost of the parts and services for a Job
        - An invoice is meant to be paid by the customers once a Job is completed
        - Invoice can be in any of the following statuses : "Draft", "Pending", "Paid", "Bad Debt"
        - The numbers shown in this card are sum of the value (total) of invoices in each status
        - In the UI design,
            - the total value of invoices is 50k USD out of which 15K is collected i.e paid
            - There may be few invoices in draft status which sums up to 10K
            - Other statuses follow the same respective
    - Chart
        - Dashboard charts are not interactive, but a simple view
        - The chart values are sorted by descending order of the total. For eg, in the UI design, completed has the maximum which is placed first (green), followed by in-progress (sky blue)
    - The stats shown on the dashboard are considered realtime. The sample project attached has a repository which emits sample data every 30 seconds using kotlin `Flow`. We're just simulating realtime behaviour for the interview purpose and not using any real data
    - The jobs page is not realtime, and can have swipe to refresh functionality to refresh the list
- Jobs screen
    - Upon clicking Job stats card in dashboard, the jobs page is shown
    - Jobs page has the chart at the top, below which jobs are shown in tabs by job status

Requirements

- Project has to be built as a **single activity jetpack compose app** with any navigation frameworks of your choice to navigate from dashboard to jobs page
- Project should be built using Kotlin
- Dashboard charts should be built without using any chart libraries
- Usage of other frameworks (like DI frameworks) are opinionated and are not mandatory
- No API integration is required. The boilerplate project already has the sample data to iterate on