6th GLOBAL POWER PLATFORM BOOTCAMP 2025

Building for Scale: Mastering Power Apps Component Library and Reusable Components

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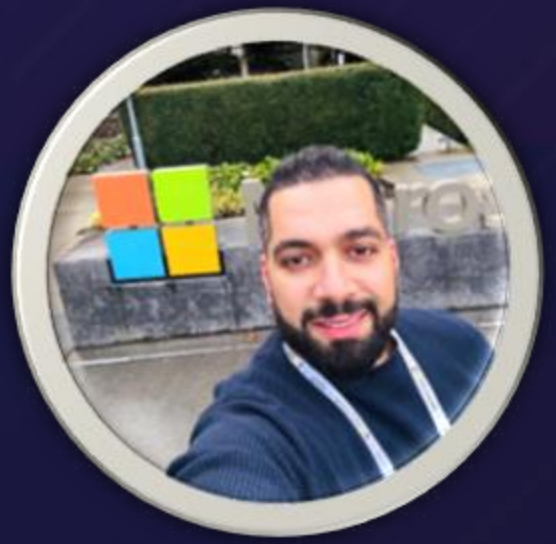

- Microsoft MVP, Business Applications – Power Apps
- 20 Microsoft Certifications, Power Platform, SharePoint, M365, SQL Server & .NET.
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Agenda

- 10 Design principles
- Why components ?
- 1st Demo 😊
- Reusability of components
- Component libraries
  - Benefits & Limitations
- 2nd Demo 😊
- QnA

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10 DESIGN PRINCIPLES

1. **Clarity & Simplicity** – Keep interfaces clean and intuitive to reduce user frustration.
2. **Consistency & Familiarity** – Follow standard UI patterns to make navigation predictable.
3. **Visual Hierarchy** – Highlight key elements using size, color, and placement for easy scanning.
4. **Accessibility & Inclusivity** – Design for all users by following WCAG guidelines for readability and usability.
5. **Feedback & Responsiveness** – Provide clear visual cues (e.g., progress bars, error messages) to guide users.

10 DESIGN PRINCIPLES (NEXT)

6. **Performance & Efficiency** – Ensure fast loading times and smooth interactions to prevent user frustration.
7. **User Research & Testing** – Validate designs through real user feedback to improve usability.
8. **Adaptability & Responsiveness** – Ensure the UI works seamlessly across different devices and screen sizes.
9. **Brand Consistency** – Align UI elements with the brand's personality for a cohesive experience.
10. **Continuous Improvement** – Regularly update and refine the UI based on user data and evolving trends.

WHY USE COMPONENTS IN POWER APPS? BECAUSE WORK SMARTER, NOT HARDER! 😎

- Imagine building a button **once** and using it **everywhere**—that's the magic of components! 🧩✨ They make your apps **faster to build**, **easier to maintain**, and **more consistent** (no more mismatched buttons haunting your UI 👀).

- Plus, with the **Component Library**, updates happen in one place instead of fixing the same thing in 10 different apps. **Less work, fewer headaches, and more time for coffee.** ☕🚀

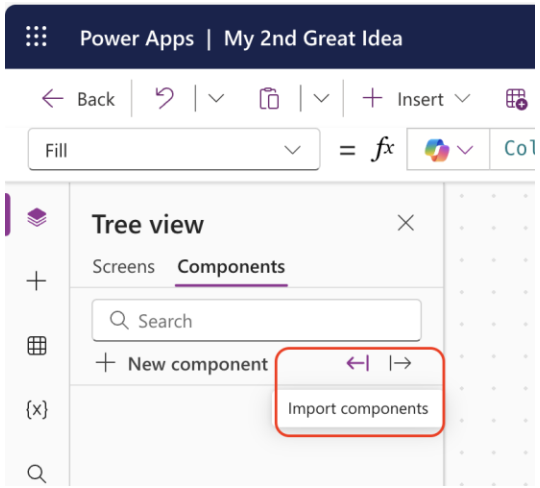
1st Demo ☺

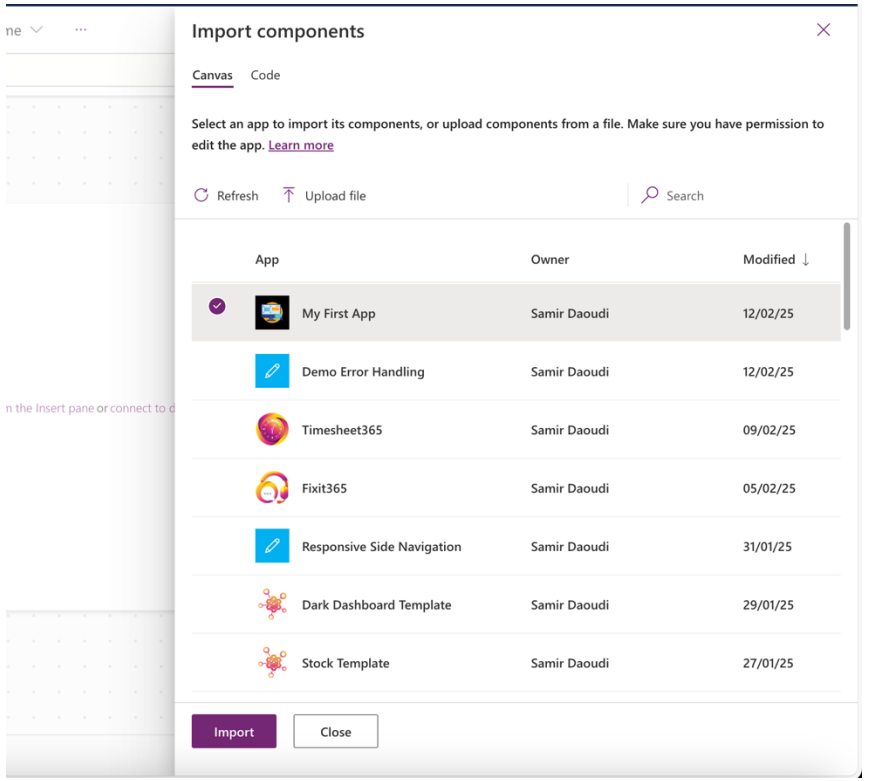
- Progress Bar
- Accordion
- Gradient button
- KPI Card

REUSABILITY OF COMPONENTS

- There are two primary ways to reuse components across apps:
  - Import components
  - Use a component Library

IMPORT COMPONENTS





PROS AND CONS OF THE IMPORT APPROACH

- Pros ✅
  - Quick and simple way of copying components between apps
  - Assets used by components will also be copied to target app
  - Style and state will be copied as well.

- Cons ❌
  - Creates a copy of the components.
  - Any changes made to a previous component will need to be re-copied, which might cause a loss of any customisations

PROS AND CONS OF A COMPONENT LIBRARY

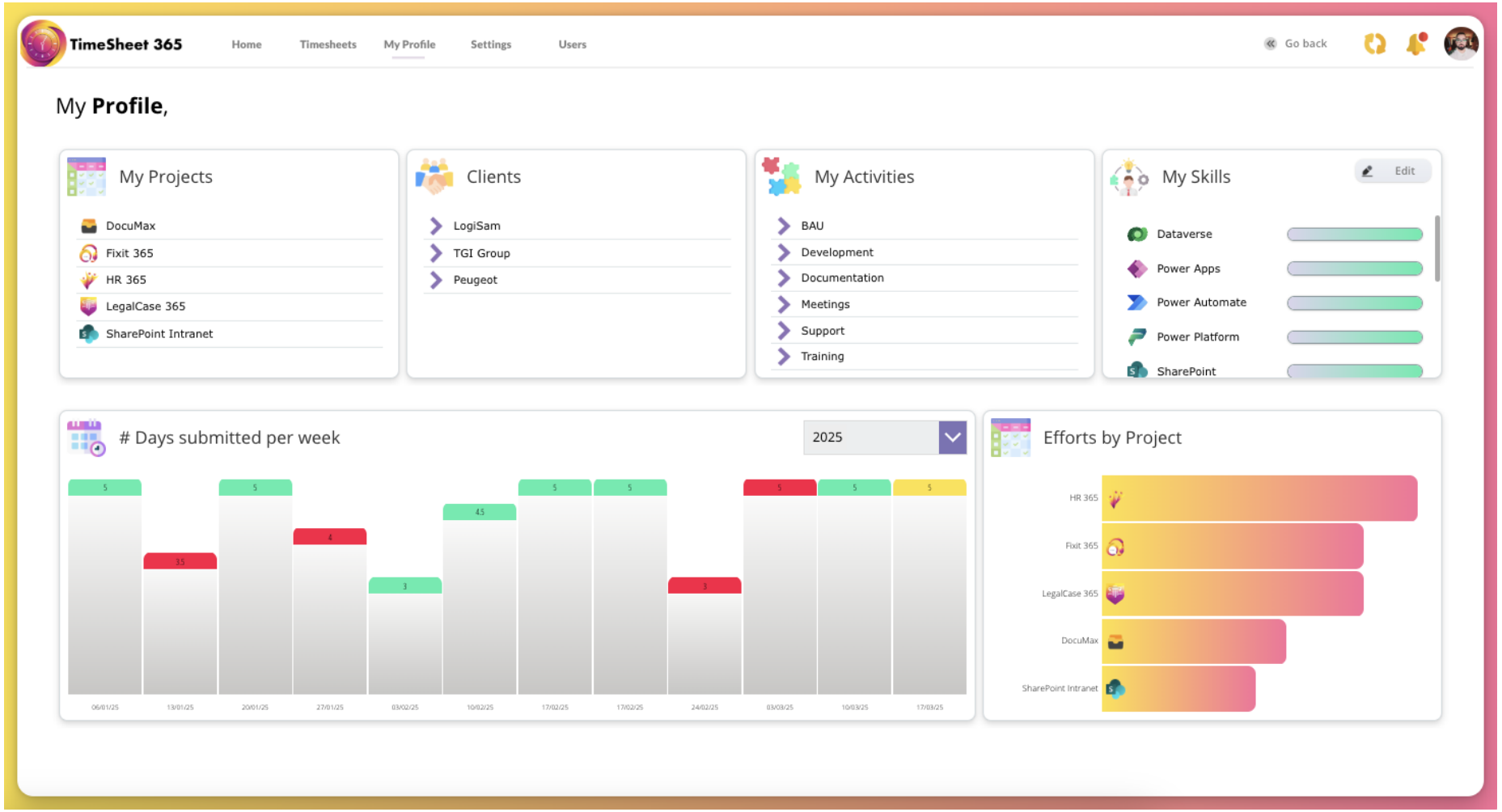
- Pros ✅
  - Central repository of all your components
  - Enforces brand and identity
  - Easy to deploy

- Cons ❌
  - Scope limited to the current environment
  - No force publish, apps will need to refresh the components each time there is an update
  - Components have no access to app wide variables and data sources

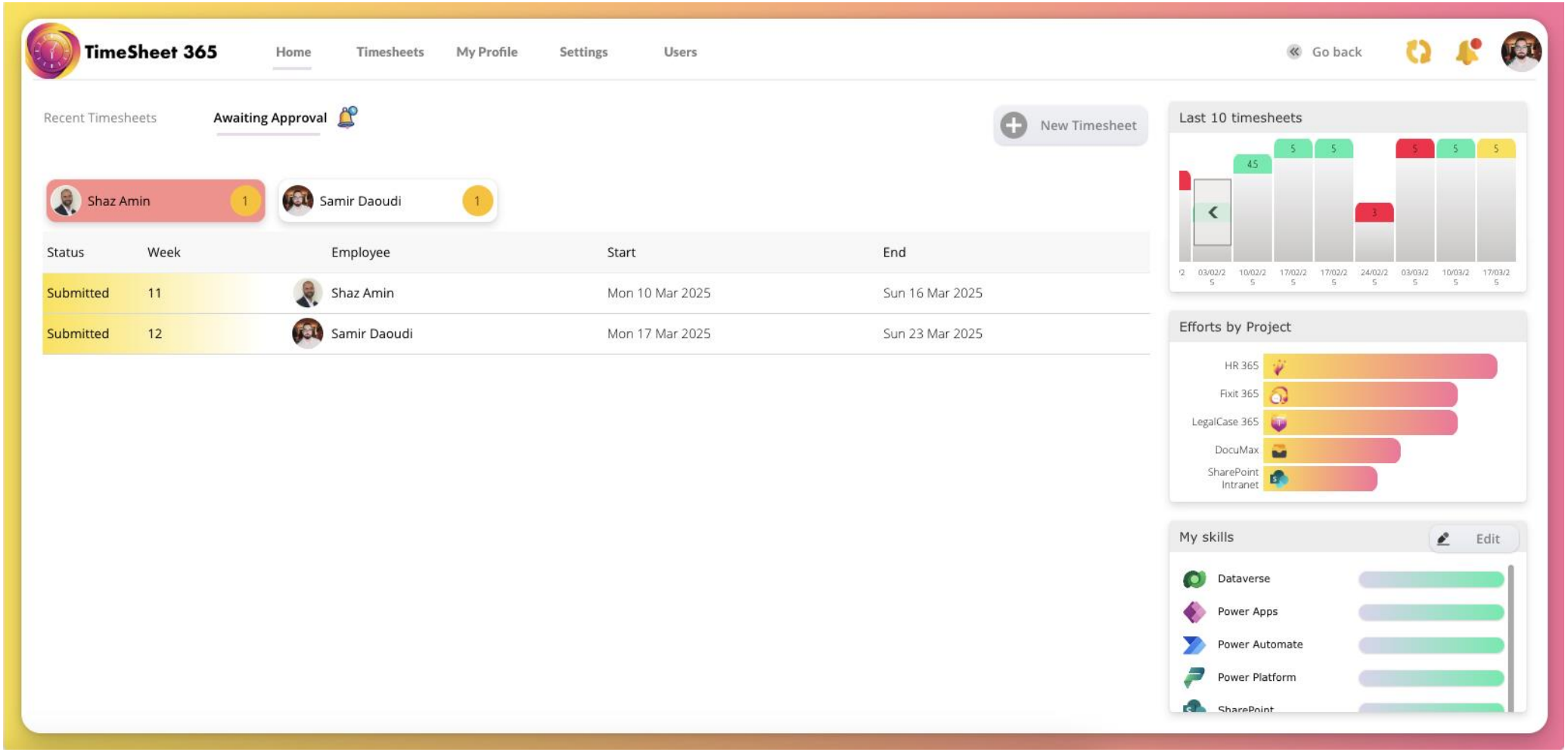
2nd Demo 🤞

- Import the components to a library
- Use components from a library
- Update a component definition
- Refresh consuming apps.

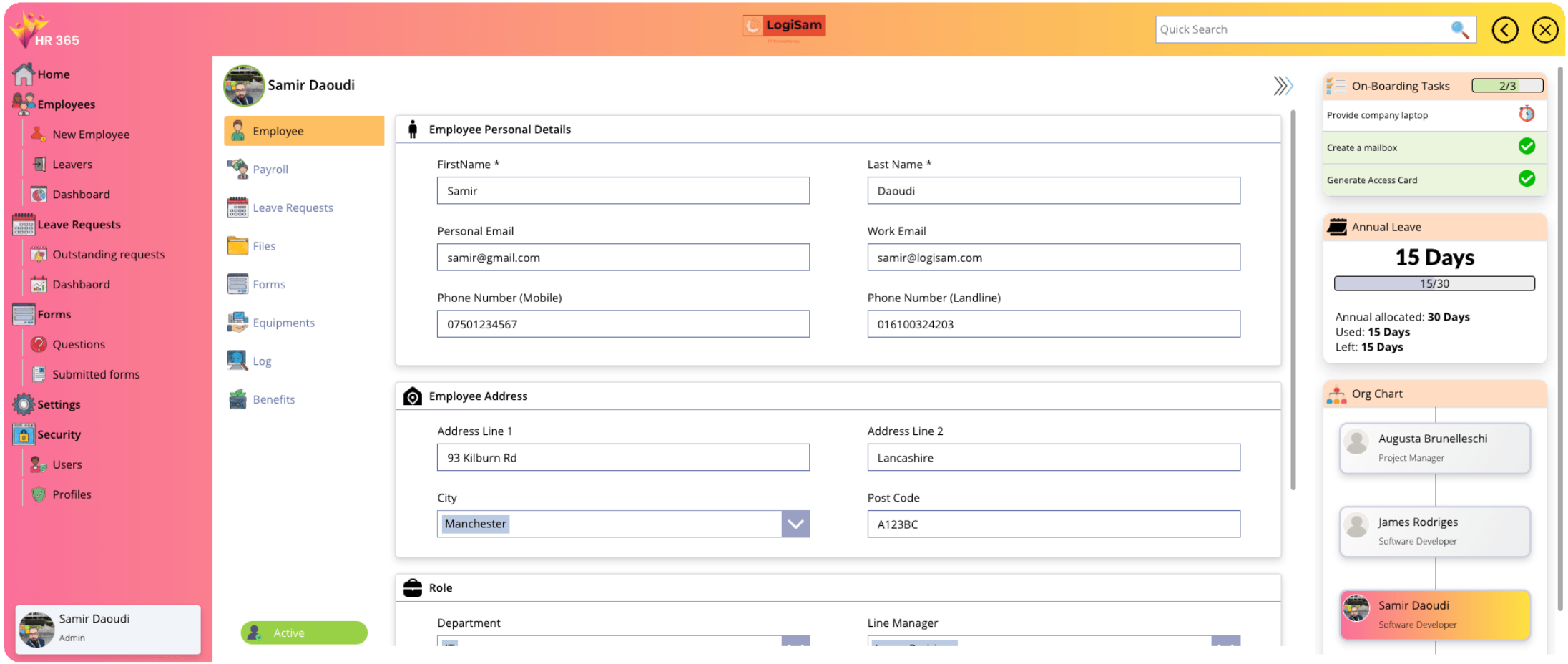
TIMESHEET APP



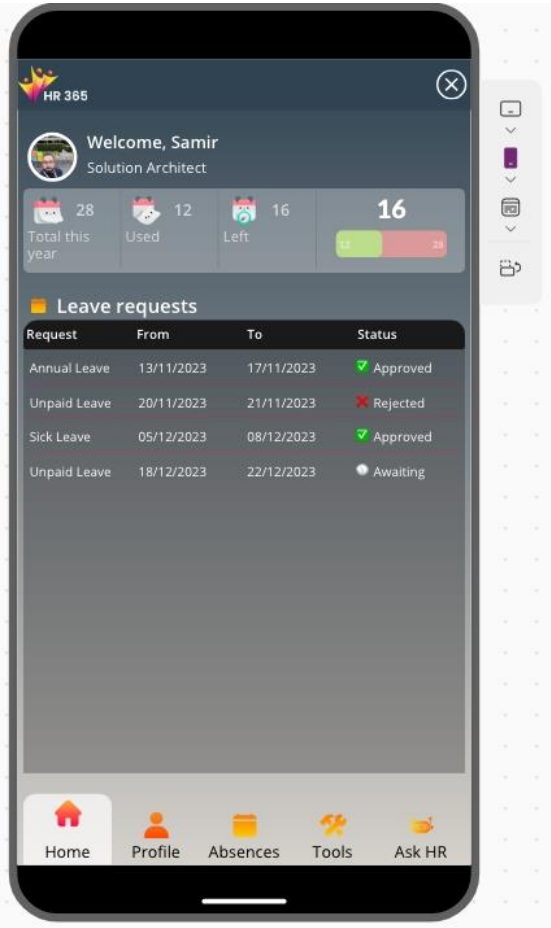
TIMESHEET APP

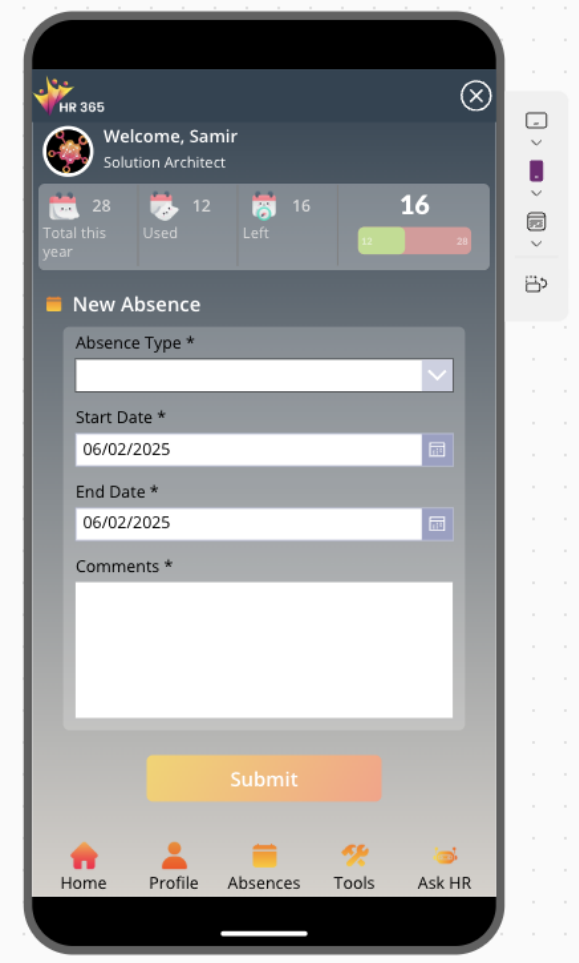


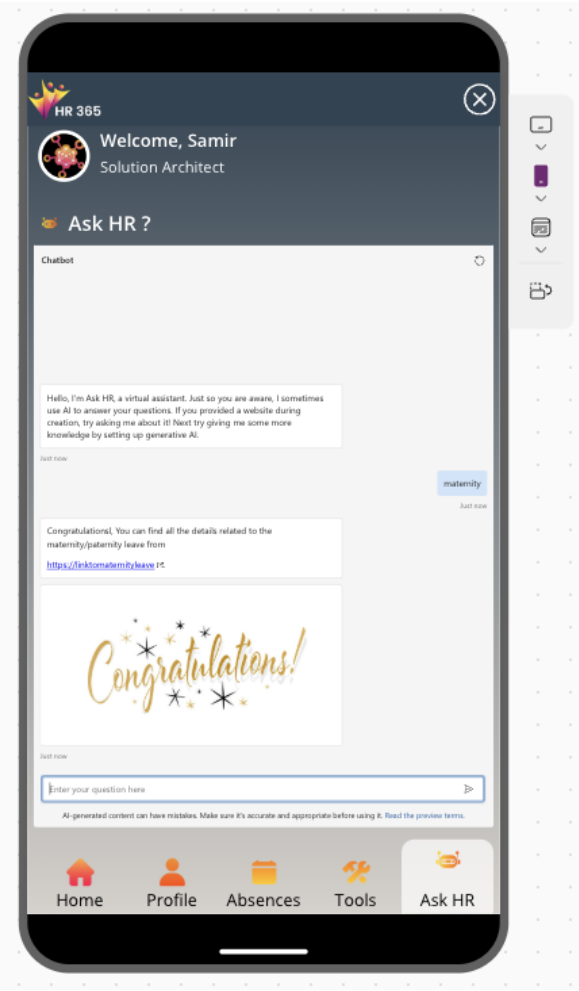
HUMAN RESOURCES APP



HUMAN RESOURCES APP







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