**Daily Report** 

**Date:** May 5, 2025

Submitted by: Etsubdink Yewale

## Overview

Today's development efforts were centered on building and refining the **user authentication interface** for the **Al-Jake** application. Significant progress was made in resolving component integration issues in the **LoginForm**, refactoring it for better usability and accessibility, and implementing a fully functional **SignupForm** with consistent styling and validation. Both components now provide a user-friendly and visually coherent experience, laying the groundwork for future enhancements such as social authentication.

# **Key Activities**

1. Login Form (LoginForm.tsx) - Refactoring & Enhancement

## **Initial Challenges:**

- Encountered **TypeScript errors** related to a custom InputField component that lacked support for required props such as labels.
- Determined the custom input component was unsuitable for form-level control and accessibility requirements.

#### **Solutions & Improvements:**

- Replaced the custom InputField with standard HTML elements (<label> and <input>), enabling native form behavior and improved accessibility.
- Applied Tailwind CSS for styling:
  - o Focus styles: focus:ring-blue-500, focus:border-blue-500
  - Error indication: Conditional classes (border-red-500 vs border-gray-300)
- Implemented Validation Feedback:
  - o Displayed error messages below relevant fields using conditional rendering.

Styled messages for clarity and visibility.

## Added Accessibility Features:

 Included aria-invalid and aria-describedby attributes for screen readers.

#### • Event Handling:

 Introduced well-typed handlers (handleEmailChange, handlePasswordChange, handleRememberMeChange) to manage input state.

#### • UI Improvements:

- Switched link and focus colors from indigo to blue for consistency.
- Added a placeholder "Sign in with Google" button.
- o Improved checkbox UX with cursor-pointer styling.

# 2. Signup Form (SignupForm.tsx) - New Component Creation

# Structure & Functionality:

- **Scaffolded** the new component based on the refactored LoginForm.tsx.
- Expanded form fields to include Full Name in addition to Email and Password.

# • State Management:

- Added useState for the name input.
- Implemented handleNameChange event handler.

# Validation Logic:

 Extended validateForm to check for name input and display relevant error messages.

## • Submission Handling:

• Updated onSubmit prop and handleSubmit logic to include the full name field.

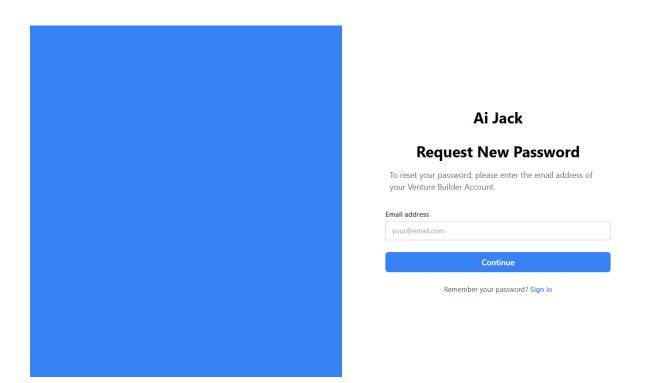
# **Styling & Content:**

- Ensured consistent Tailwind CSS styling with the login form.
- Added introductory copy:

o Title: "Ai Jack"

o Subtitle: "Welcome to Ai Jack"

- Description: Placeholder "Lorem Ipsum" text to be replaced with branding content.
- Included a **non-functional "Sign Up with Google"** button for visual parity with the login page.
- Updated the bottom prompt to redirect users to the Sign In page (/login) if they already have an account.





# Ai Jack

# **Welcome Back**

Sign in to access your account and continue your journey with us.

Email address	
your@email.com	
Password	
******	
Remember me	Forgot your password?
	Sign in
	Sign in with Google
Dor	n't have an account? Sign up