

MyProfile Component — Line-by-line Documentation

React + AntD component used for user profile and phone verification flow. This document explains each line and behaviour, followed by diagrams and a flow chart.

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Source: MyProfile Component (excerpt)

```
import React, { useEffect, useState } from "react";
import { Form, Input, Button, message, Typography, Spin } from "antd";
import { InfoCircleOutlined, CloseCircleOutlined, CheckCircleOutlined } from
"@ant-design/icons";
import { Tooltip } from "antd";
import { GetUserProfile, UpdateUserProfile, UpdateUserAddress } from "../api/api";
import Address from "../../components/Address";
```

Imports

Imports React hooks and Ant Design components. Icons and Tooltip are used for phone verification UI. API functions (GetUserProfile, UpdateUserProfile, UpdateUserAddress) are imported from ../api/api. Address component is nested for address UI.

Title alias

Extracts Title component from AntD Typography for page heading.

Component & form setup

Initializes the functional component MyProfile and creates AntD form instance via Form.useForm().

State variables

editable: toggles edit/view mode.
loading: shows spinner while async ops occur.
messageApi, contextHolder: AntD message instance for in-component toast notifications.
remountKey: integer to force Address child remount after save.
isPhoneVerified: boolean flag whether phone is verified (initially false).
isVerifying: whether OTP input is visible during verification.
otp: stores user's entered OTP digits.
canResend: toggles showing Resend button when timer hits 0.
timer: countdown seconds for OTP resend.
otpLoading: spinner for OTP verification API call.

handleChildLoaded

Callback passed to Address child; sets loading=false when child signals ready.

useEffect: loadProfile (mount)

Runs on component mount. Calls GetUserProfile(). On success sets form fields: name, phoneNumber, email. Wraps in try/catch and shows messageApi.error on failure. Finally sets loading=false.

handleSave

Async function to validate form, then send profile and address updates to backend in sequence. Uses UpdateUserProfile and UpdateUserAddress. Shows success or error messages and toggles editable and remountKey accordingly. Loading state is managed.

useEffect: isPhoneVerified placeholder

A placeholder effect preventing ESLint warnings; no behavioural change. Intended for future verification logic.

useEffect: OTP timer

Starts countdown when isVerifying is true and canResend is false. Uses setInterval to decrement timer using functional state update. When timer reaches 1 -> decrements to 0, clears interval and sets canResend=true to display Resend OTP button. Cleanup clears interval.

Timer / Resend UI

Conditional JSX: displays timer (e.g. '59s') while canResend is false; when canResend true shows a Resend OTP button which resets timer to 60 and hides the button again.

useEffect: phone change resets verification

Observes form.getFieldValue('phoneNumber') and if isPhoneVerified true marks it false—this makes changing the phone after verification un-verify it.

VerifyPhoneOtp placeholder

A stub async function returning {success:false}. Intended to be replaced by real API call for OTP verification.

JSX: Layout and form fields

Renders a centered container with Title and AntD Form. Fields: Name (input), Phone Number (input with verification icon), Email (read-only input), Address child component (Address), and Save/Edit buttons.

Phone Form.Item details

Label shows dynamic icon: red cross (CloseCircleOutlined) when unverified with Tooltip 'Please verify phone number'; green check (CheckCircleOutlined) when verified. Phone input bound to form's phoneNumber field with validation (required, 10-digit).

Send OTP & OTP UI

When editable and phone is unverified and not currently verifying, shows 'Send OTP' button. When isVerifying true shows OTP input, Verify button (calls VerifyPhoneOtp), timer/resend toggle and Cancel link.

Address child

Renders Address component with props form, editable, loading, and onChildLoaded; remountKey forces re-mount on save to reload saved address data.

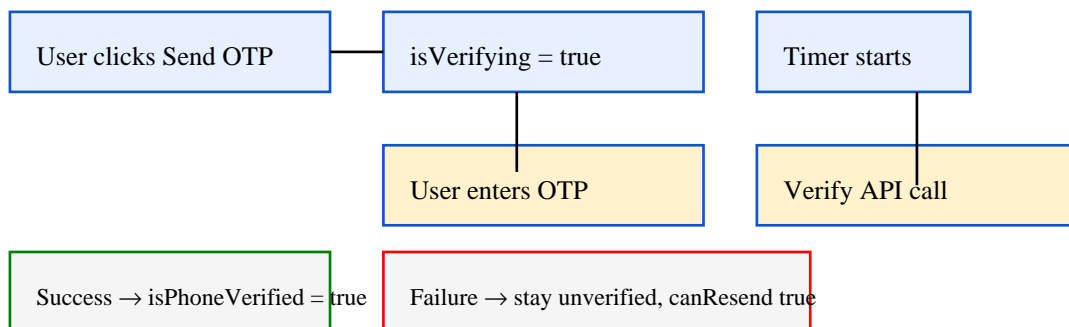
Save/Edit Buttons

If editable true shows Save button wired to handleSave; otherwise shows Edit button toggling editable state.

Export

Exports MyProfile as default export.

Flow Diagram — Phone Verification Flow



State	Type	Initial	Purpose
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editable	boolean	false	Toggle edit/view mode
loading	boolean	true	Show spinner during async op
isPhoneVerified	boolean	false	Phone verification status
isVerifying	boolean	false	OTP UI visible state
timer	number	60	Countdown seconds for reser
canResend	boolean	false	Show Resend OTP when true

Notes & Best Practices

- Notes & Best Practices:
- Keep side effects (useEffect) scoped and include only necessary dependencies. For form field watching prefer `Form.useWatch`.
 - Avoid calling setFieldsValue during render; do it inside effects or callbacks.
 - When verifying phone numbers consider storing the original verified phone to compare changes for security.
 - Use upsert for seeding but ensure unique fields in Prisma schema (use name or unique code).
 - Add backend API endpoints for sendOtp and verifyOtp and handle retries and rate-limiting.

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