React Hooks Error Fix - Summary

Issue Fixed

Error: "Rendered more hooks than during the previous render"

This error occurred because `useState` hooks were declared **after** conditional return statements in React components, violating React's Rules of Hooks.

React Rules of Hooks

1. **Call hooks at the top level** - Never call hooks inside loops, conditions, or nested functions
2. **Call hooks in the same order** - React relies on the order in which hooks are called
3. **Call hooks before any early returns** - All hooks must be declared before any conditional return statements

Files Fixed

1. MyOnboardingPage (`app/(dashboard)/(modules)/onboarding/my-onboarding/page.tsx`)

Problem:
- `useState` for `loadingFile` was declared on line 167, after two conditional return statements (lines 49 and 52-80)

Solution:
- Moved `const [loadingFile, setLoadingFile] = useState<string | null>(null);` to line 48
- Now declared at the top with all other hooks, before any conditional returns

2. AllOnboardingsPage (`app/(dashboard)/(modules)/onboarding/page.tsx`)

Problem:
- `useState` for `loadingFile` was declared on line 115, separated from other hooks

Solution:
- Moved `const [loadingFile, setLoadingFile] = useState<string | null>(null);` to line 58
- Now grouped with all other state declarations at the component top

Changes Made

MyOnboardingPage

```
export default function MyOnboardingPage() {
  const { data, isLoading, refetch } =
api.onboarding.getMyOnboardingResponses.useQuery();

  // ... mutations ...

  const [openTextModal, setOpenTextModal] = useState(false);
  const [openFileModal, setOpenFileModal] = useState(false);
  const [currentQuestion, setCurrentQuestion] = useState<any>(null);
  const [textValue, setTextValue] = useState("");
  const [file, setFile] = useState<File | null>(null);
  const [uploading, setUploading] = useState(false);
+ const [loadingFile, setLoadingFile] = useState<string | null>(null);

  if (isLoading) return <LoadingState message="Loading your onboarding..." />;

  // ... other conditional returns ...

- const [loadingFile, setLoadingFile] = useState<string | null>(null); // ❌ WRONG
LOCATION

  const handleViewFile = async (filePath: string) => {
    // ... implementation ...
  };
```

AllOnboardingsPage

```
export default function AllOnboardingsPage() {
  const [searchQuery, setSearchQuery] = useState("");
  const [statusFilter, setStatusFilter] = useState<string>("all");
  // ... other useState hooks ...
+ const [loadingFile, setLoadingFile] = useState<string | null>(null);

  const { data: users = [], isLoading, refetch } =
    api.onboarding.getAllUserOnboarding.useQuery();

  // ... mutations ...

- const [loadingFile, setLoadingFile] = useState<string | null>(null); // ❌ SEPARATED
FROM OTHER HOOKS

  const handleViewFile = async (filePath: string) => {
    // ... implementation ...
  };
```

Verification

Build Status

✅ **Successfully compiled** - No TypeScript errors
✅ **Production build passes** - Next.js build completed without issues

Git Status

✅ **Committed:** Commit hash `7d400ad`
✅ **Pushed:** Changes pushed to `fix/enum-casing-mismatch` branch

Benefits of This Fix

1. **Eliminates React Error** - No more "Rendered more hooks than during the previous render" errors
2. **Improves Code Maintainability** - All hooks are clearly organized at the component top
3. **Follows Best Practices** - Adheres to React's official Rules of Hooks
4. **Better Code Readability** - Easy to see all component state at a glance
5. **Prevents Future Issues** - Establishes a clear pattern for hook declarations

Testing Recommendations

1. **Functional Testing:**
   - Navigate to "My Onboarding" page and verify no console errors
   - Test file viewing functionality (click "View File" buttons)
   - Navigate to "All Onboardings" admin page and verify no errors
   - Test approve/reject workflows with file viewing

2. **Edge Cases:**
   - Test with loading states (while data is fetching)
   - Test with no onboarding data (should show "Start Onboarding" screen)
   - Test with multiple files being viewed simultaneously

3. **Browser Console:**
   - Check for any React warnings or errors
   - Verify no hooks-related warnings appear

Related Documentation

- React Rules of Hooks (https://react.dev/reference/rules/rules-of-hooks)
- useState Hook Documentation (https://react.dev/reference/react/useState)

Fixed by: AI Assistant
Date: December 23, 2025
Branch: `fix/enum-casing-mismatch`
Commit: `7d400ad`