Project: ReciSearch, Group 2

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**Function Points: 22** 

# **➤ 1 Internal Logical File**

#### User Authentication Data (Supabase) – 10

**Function/Output:** Stores and manages user credentials (email, hashed password, session tokens, etc.) using Supabase authentication. This data is maintained and modified within the app's boundaries.

#### Parameters:

- User ID
- Email
- Hashed Password
- Session Token
- Timestamps

**Output:** None – represents the internal user/session data store.

**Justification:** This is a set of logically related data (user credentials and sessions) maintained within the system. It qualifies as an ILF due to its management and persistence inside the app via Supabase.

## > 2 External Inputs

## o processLogin(email, password) - 4

**Function/Output:** Captures user credentials from the frontend login form and sends them to Supabase via supabase.auth.signInWithPassword.

#### Parameters:

- email (string): User's email.
- password (string): User's password.

**Output:** Triggers authentication logic in Supabase.

**Justification:** Data crosses the application boundary for processing. It's considered an EI since it initiates logic based on external user input.

## oprocessLogout() - 3

**Function/Output:** When the user clicks "Logout," the frontend calls supabase.auth.signOut, which invalidates the active session in the Supabase backend.

#### Parameters:

Click Event (implicit)

Output: Triggers backend logic to clear the session.

**Justification:** Initiates backend-side processing from a user event. Counted as an EI due to the user-triggered session-ending request.

# ➤ 1 External Output

## displayLoginOutcome(result) – 5

**Function/Output:** Based on the result from Supabase (success or error), the system either redirects the user to the dashboard or displays an error message on the login page.

#### Parameters:

Authentication result (success or error object)

#### **Output:**

- Redirect to homepage (on success)
- Rendered error message (on failure)

**Justification:** Processes data from the backend and presents it to the user. It's classified as EO due to the formatted UI response based on backend logic.