**Flow Chart Structure**

**Start**

* **User Registration/Login**
  + Input: Email/Social Account
  + Output: User Dashboard
  + Decision: Is the user new or existing?
    - New User → Profile Setup
    - Existing User → Direct to Dashboard

**1. Dashboard**

* Main Menu Options:
  1. **Find a Member**
  2. **Join a Team**
     + Includes **Create a Post**.
  3. **Mentorship Portal**
  4. **Admin Panel** (For Admins Only)

**2. Find a Member Flow**

* User clicks on **Find a Member**.
  + Input: Search Filters (Skills, Interests, Competition Type).
  + Process: Query database for profiles.
  + Output: List of Profiles.
  + Decision: Does the user want to connect?
    - Yes → Send Connection Request.
    - No → Return to Dashboard.

**3. Join a Team Flow**

**(a) Browse Posts**

* User clicks on **Join a Team**.
  + Input: Browse Posts.
  + Process: View details of posts (competition, skills required).
  + Decision: Does the user want to join a team?
    - Yes → Send Join Request.
      * Request sent → Await poster's approval (Notification sent).
    - No → Return to Dashboard.

**(b) Create a Post**

* User clicks on **Create a Post** under **Join a Team**.
  + Input: Post details (e.g., Competition Name, Skills Required, Description).
  + Process: Save the post in the database and publish it.
  + Output: Post appears in the "Join a Team" listing.
  + Decision: Does the user want to edit/delete the post?
    - Yes → Go to Post Management.
    - No → Return to Dashboard.

**4. Mentorship Portal Flow**

* User clicks on **Mentorship Portal**.
  + Input: View Mentor Profiles.
  + Process:
    - Search for mentors by category (Placement, Hackathon).
    - View mentor availability.
  + Decision: Does the user want to book a session?
    - Yes → Send Request (Date/Time).
      * Request sent → Await mentor’s approval (Notification sent).
    - No → Return to Dashboard.

**5. Admin Panel Flow**

* Admin clicks on **Admin Panel**.
  + Manage Users:
    - Approve/reject mentor applications.
    - View and moderate posts.
  + View Statistics:
    - Usage data, number of active users, mentorship sessions.
  + Log Out.

**End**

* All flows return to the Dashboard or Log Out.

**New Flow Addition: Post Creation**

1. **Dashboard → Join a Team → Create a Post**
   * User provides post details:
     + Competition Name.
     + Required Skills.
     + Description.
2. **Post Saved** → Appears in the listing for other users.
3. **Post Management:**
   * User can edit or delete their post.
   * Admin can moderate the post if necessary.