HireHub System Documentation (Author: Arion)

1. Features and Stakeholders

Stakeholders:
• Administrators – Manage approvals, users, jobs, and system integrity.
• Employers/Sellers – Post jobs, manage applicants, schedule interviews.
• Applicants – Browse jobs, apply, manage profiles, attend interviews. **Core Features:**
• Role-based access control (Admin / Employer / Applicant)
• Admin approval workflow for all accounts
• Job posting and management system
• Application submission and tracking
• Interview scheduling and status updates
• Profile management for all user types
• Secure database-backed system using SQLite

2. ERD (Entity Relationship Diagram)

Entities:
• tbl_users (ID, Name, Email, Phone, Password, Role, Status)
• tbl_jobs (ID, Title, Description, Location, Experience, DatePosted, AddedBy)
• tbl_applications (ApplicationID, UserID, JobID, Status, DateApplied)
• tbl_interviews (InterviewID, ApplicantID, InterviewerID, Date, Time, Location, Status)
• tbl_approved (mirrors user fields for approved users)
• tbl_rejected (mirrors user fields for rejected applicants) **Relationships:**
• One User → Many Applications
• One Job → Many Applications
• One Applicant → Many Interviews
• One Interviewer (Employer) → Many Interviews

3. Data Dictionary

tbl_users
• ID – INTEGER, Primary Key
• Name – TEXT
• Email – TEXT
• Phone – TEXT
• Password – TEXT (SHA-256 Hash)
• Role – TEXT (Admin/Applicant/Employer)
• Status – TEXT (Pending/Approved/Rejected) **tbl_jobs**
• ID – INTEGER, PK
• Title – TEXT
• Description – TEXT
• Location – TEXT

- Experience – INTEGER
- DatePosted – TEXT
- AddedBy – INTEGER (User ID) **tbl_applications**
- ApplicationID – INTEGER, PK
- UserID – INTEGER, FK
- JobID – INTEGER, FK
- Status – TEXT
- DateApplied – TEXT **tbl_interviews**
- InterviewID – INTEGER, PK
- ApplicantID – INTEGER, FK
- InterviewerID – INTEGER, FK
- Date – TEXT
- Time – TEXT
- Location – TEXT
- Status – TEXT

4. Flowchart (Final Version)

Registration & Approval Flow:
User Registers → Status = Pending → Admin Reviews
→ If Approved → User Gains Role-Based Access
→ If Rejected → User Stored in tbl_rejected **Application Flow:**
Applicant Logs In → Views Jobs → Applies → Employer Reviews → Interview Scheduled → Status
Updated **Admin Actions:**
View Pending Users → Approve/Reject → Manage Jobs & Interviews → Maintain System

5. User Manual

Admin Guide:
- Log in as Admin
- Approve or reject pending accounts
- Manage users, jobs, and interviews
- Monitor system data

Employer Guide:
- Log in as Employer
- Add job postings
- View applicants and schedule interviews
- Update interview results

Applicant Guide:
- Register an account and wait for approval
- Log in and browse job listings
- Apply for jobs
- View interview schedules
- Update profile information