

Collaborative Community App

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Abstract — The Collaborative Community App is a dynamic platform that bridges the gap between job seekers and companies through an integrated job posting and application system. It enables streamlined interactions among admins, companies, and users. The platform supports vacancy tracking, real-time updates, automated post removal, and user-friendly job search, ensuring an efficient and collaborative recruitment process.

Keywords: Collaborative Community App, Job Seekers, Job Posting and Application System

I. INTRODUCTION

The "Collaborative Community App" is an innovative recruitment platform to streamline hiring for companies and job seekers. It addresses inefficiencies in traditional job portals by offering real-time updates, automated vacancy management, and user-friendly dashboards. Companies can easily post jobs, track applicants, and remove filled vacancies automatically, reducing manual effort. Job seekers benefit from advanced search filters and up-to-date listings, ensuring a smooth and efficient job application experience. The app fosters a collaborative and dynamic environment that modernizes user recruitment.

II. EXISTING SYSTEM

The existing job recruitment platforms often lack centralized control and automation features. They typically do not provide real-time updates or efficient tools for managing job applications and company profiles. The absence of a dedicated, user-friendly interface leads to fragmented processes that hinder effective collaboration. Furthermore, job seekers often struggle with outdated job listings and inefficient search functionalities. These limitations highlight the need for a more advanced, automated, and collaborative recruitment solution like the Collaborative Community App.

A. Needs of the System

- Centralized job and collaboration management
- Secure admin and user access
- Automated vacancy tracking and removal
- Easy navigation and real-time interaction
- Improved recruitment efficiency and reduced redundancy

B. Proposed System

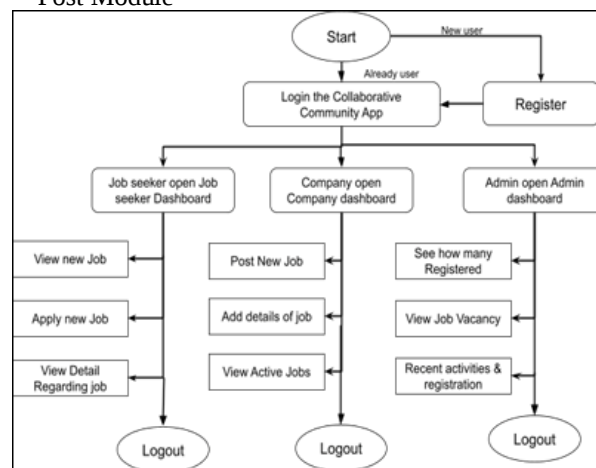
The system includes:

- Centralized Collaboration Platform for streamlined interaction
- Job Posting Management with tracking and control features
- Secure Admin Setup for robust access control

1) Number of Modules:

After careful analysis, the system has been identified to have the following modules:

- Admin Module
- Company Module
- Post Module



C. Admin Module

- User Management: Create, edit, delete users; assign roles & permissions.
- Company Management: Approve/reject company profiles; manage company info.
- Job Management: Approve, edit, delete job postings.
- Communication Management: Monitor and control communications.
- Security Management: Set up authentication and access controls.
- Analytics & Reporting: Generate usage stats and insights.
- System Settings: Customize platform features.

D. Job Seeker (Post Module)

- Job Search: Filtered browsing of job listings.
- Application Submission: Apply to jobs directly.
- Communication: Message potential employers.
- Profile Management: Update details and resumes.
- Job Alerts: Notifications for new jobs.
- Analytics: Monitor search and application activity.
- Settings: Manage account preferences.

E. Company Module

- Profile Management: Edit company details.
- Job Posting: Create and manage job listings.
- Communication Tools: Interact with job seekers.
- Project Collaboration: Collaborate with other teams/companies.
- Analytics: Track job post-performance and engagement.
- Settings: Customize system and account preferences.

III. TECHNOLOGIES USED

- Frontend: Flutter
- Backend: [Optional: Firebase / Node.js / Spring Boot]

- Database: SQLite
- IDE: VS Code, Android Studio, JDK 11

IV. RESULT

The job portal integrates three user roles—Admin, Company, and Job Seeker—into a unified platform with role-specific dashboards. Companies can post jobs, manage applications, and view analytics; job seekers can browse listings, apply, and track their status. Admins oversee users, jobs, and platform activity. The clean, user-friendly interface streamlines the hiring process through real-time interaction and simplified workflows. The system enhances transparency, reduces communication gaps, and offers insights into job market trends. Its modular design supports future features like AI-based recommendations, resume parsing, and interview scheduling, modernizing recruitment with ease.

A. User Statistics

User Type	Number Registered	Activity
Admin	1	Approved Companies, Monitored Jobs
Companies	5	Posted 18 jobs
job Seekers	15	Submitted 32 applications

B. App Implementation Steps

1) STEP 1: Registration Page

On this page, three types of users can create an account: Job Seekers, Companies, and Admins.

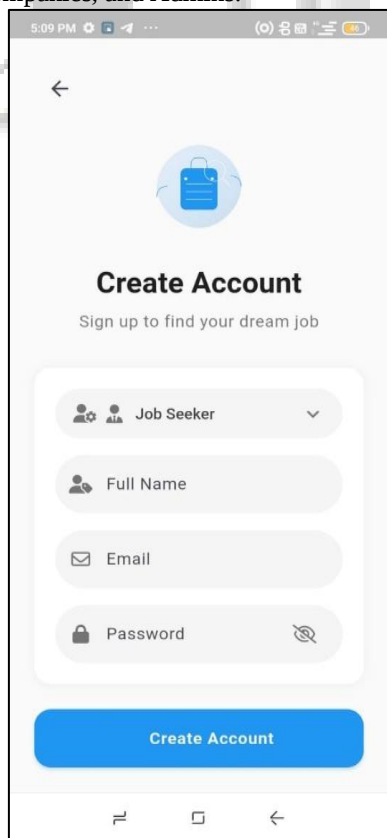


Fig. 5.1: shows the Registration page

To register, simply select your profile type and provide your full name, email address, and password. To log in, you'll just need your registered email and password.

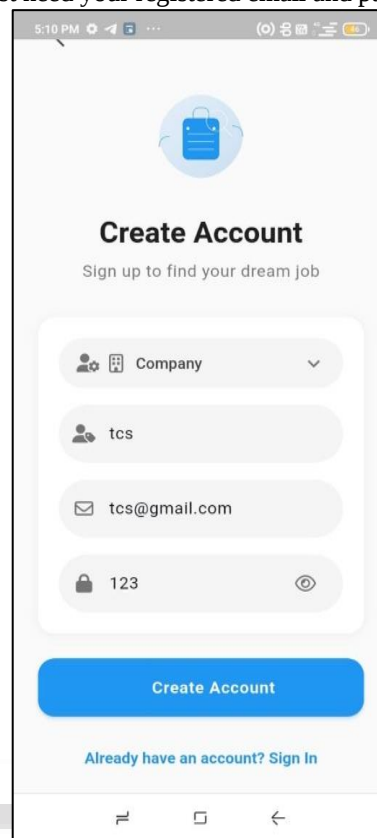


Fig. 5.2: shows the Company Account Create page

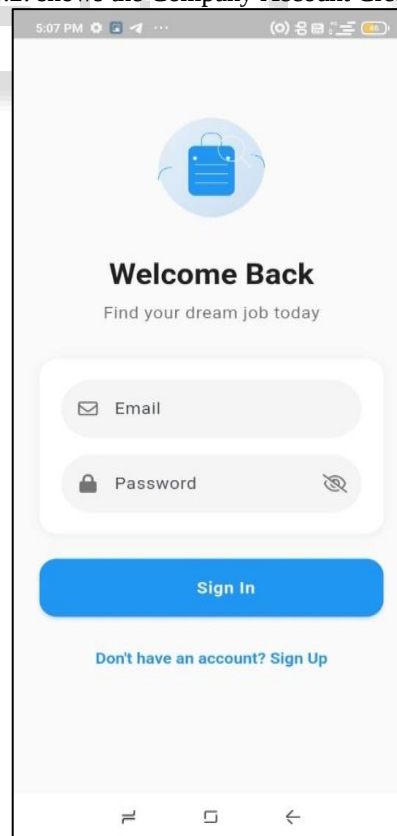


Fig. 5.3: shows the login page

2) STEP 2: Company Dashboard & Job Posting

After logging in, companies are directed to their personalized dashboard.

In the Quick Actions section, companies can:

- Post a new job
- View received applications
- Access analytics for posted jobs

The dashboard also displays:

- Total Jobs Posted
- Currently Active Jobs
- Recent Activities for real-time updates

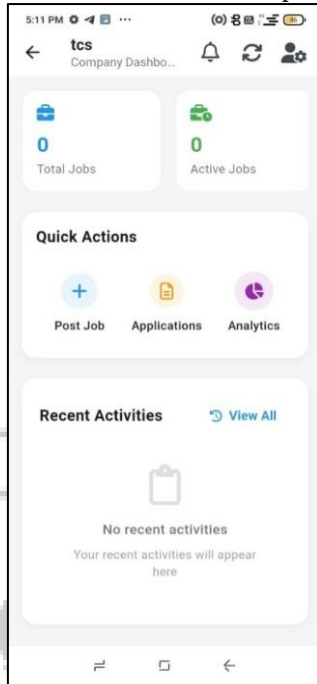


Fig. 5.4: shows the Company dashboard

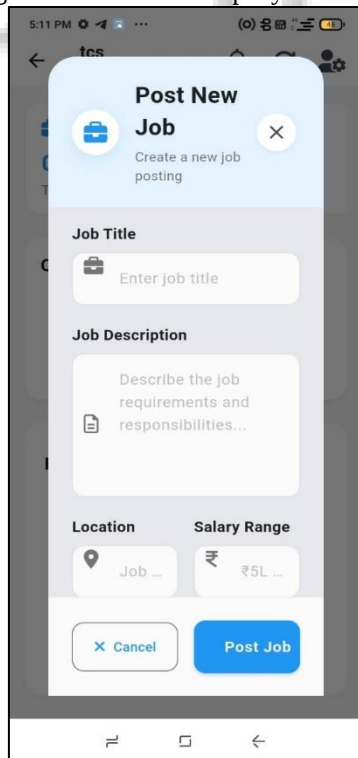


Fig. 5.5: shows the Company posting job feature app

When posting a job, the company must provide the following details:

- Job Title
- Job Description
- Location
- Salary Range
- Number of Vacancies
- Once all fields are filled, the job can be posted with a single click.

3) Step 3: Admin Dashboard Overview

- Upon logging in, the admin gains full visibility through the dashboard.
- The admin can:
- View a complete list of users, including the number of Job Seekers and Companies
- Monitor total Jobs Posted and Applications Submitted
- See recent user activities, such as who registered and who applied for jobs Activate or manage users as needed for platform moderation

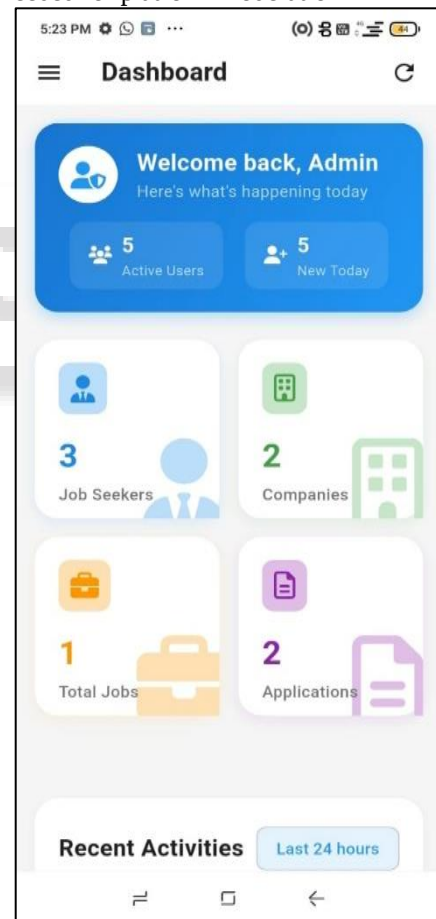


Fig. 5.6: shows the admin dashboard

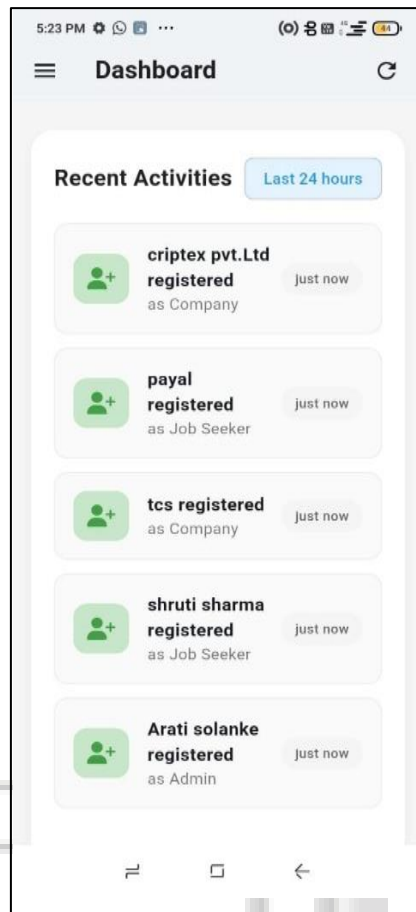


Fig. 5.7: shows the admin dashboard side registered list
Everything is organized in one place to keep the system running smoothly and transparently.

4) STEP 4: Job Seeker Dashboard

Once logged in, Job Seekers are directed to their personalized dashboard.

From here, they can:

- Browse available job listings
- View details of each job, including description, location, and salary

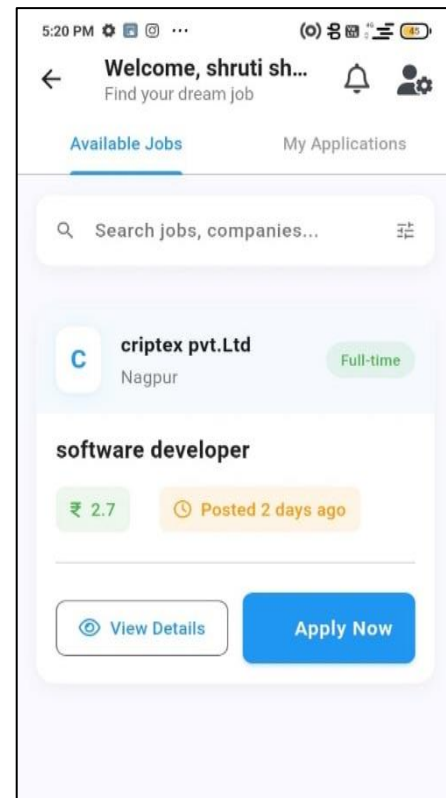


Fig. 5.8: shows Job seeker Dashboard
It's a simple, streamlined hub to manage their journey to landing the perfect job.

V. CONCLUSION

In conclusion, this job portal application efficiently streamlines the job recruitment process by integrating three key modules: Admin, Company, and Dashboard. Developed using Flutter with SQLite as the database, the system enables admins to manage company profiles and job postings, while companies can register, post jobs, and track applicants. The automated job removal feature enhances efficiency, ensuring only active listings remain. Job seekers benefit from an intuitive interface that allows easy job searches and applications. Built using VS Code.

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