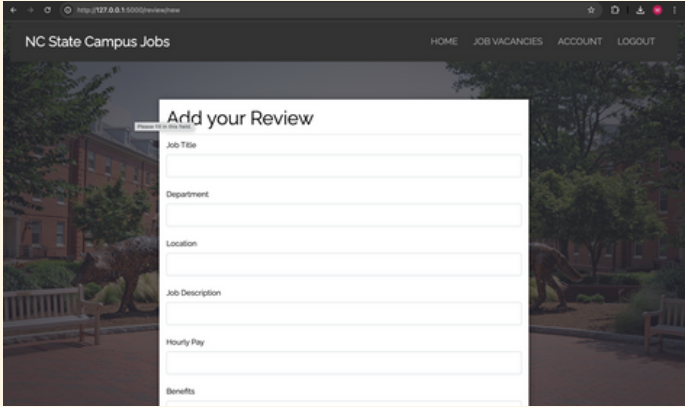# NCSU

CAMPUS JOBS REVIEW SYSTEM
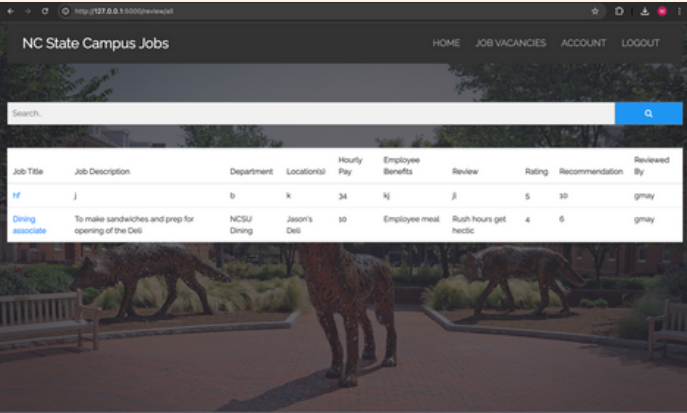
Why this is a Game-Changer?

Our project is focused on developing a centralized platform that simplifies the process for students to review and discover on-campus jobs. The platform features a user-friendly interface designed to help job seekers make informed decisions by providing detailed insights into available positions. Employers and departments can post dynamic job vacancies, ensuring that job listings are updated in real-time, reflecting the most current opportunities. To promote transparency, the platform integrates a review system where students can leave feedback based on their experiences, helping future applicants gauge the work environment. With powerful search and filter functionalities, the platform is designed to be easily accessible, making it straightforward for students to find and apply for positions that best match their skills and interests. This streamlined process aims to enhance the overall experience of both job seekers and employers on campus.

Test cases (version i): 30+

Implementation Milestones:

1. **Containerization for Scalable Deployment:** Containerize the application using Docker, integrating Docker Compose for multi-container environments, and leverage Kubernetes for automated scaling and load balancing.
2. **Dynamic Job Vacancies with Real-time Updates:** Implement real-time updates using WebSockets or SSE, ensuring job vacancies are instantly updated across all user interfaces and synchronized with the backend.
3. **Advanced Search & Job Recommendation System:** Develop a search system using Elasticsearch, with advanced filters like location and salary, and build a recommendation engine for personalized job suggestions.
4. **Job Alerts with Real-time Notifications:** Set up a notification system to send job alerts via email or push notifications, allowing users to customize preferences and receive real-time updates.
5. **Comprehensive Admin Dashboard with Analytics:** Create an admin dashboard for managing job posts and provide performance analytics, with role-based access control for efficient administrative management.

UPCOMING PLANS

ENHANCED RECOMMENDATION SYSTEM
Uses machine learning to suggest jobs based on user profiles and ratings.

ADVANCED SEARCH FILTERS
Adds filters like job type, salary range, and skills for more precise job searches.

DYNAMIC JOB VACANCIES
Real-time updates for job postings without manual refresh.

JOB ALERTS & ADMIN DASHBOARD
Allows users to set job alerts and includes an admin dashboard for managing job posts and reviews.

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