



# Academic Guide

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# NCSU Campus Jobs System 2.0

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## ABSTRACT

The application empowers North Carolina State University students to explore and evaluate campus job opportunities through shared reviews and experiences. Designed as a user-friendly platform, it enables students to make informed decisions about on-campus roles by reading and posting anonymous reviews. Employers benefit, too, with a dedicated interface to post jobs and manage applications, fostering a streamlined campus recruitment process. Features like email notifications, secure login, Dockerized deployment, and an admin dashboard ensure a seamless and secure experience for all users, creating a vibrant and supportive campus employment community.

# ENHANCEMENTS

# Email Alerts & Dockerized Deployment

We've enhanced our application by allowing applicants to receive email alerts upon sign-up, providing real-time notifications about their application status. To facilitate easy deployment, we created a Docker image of this feature, which is now available on GitHub for streamlined access and integration.

## Apply to open Job postings

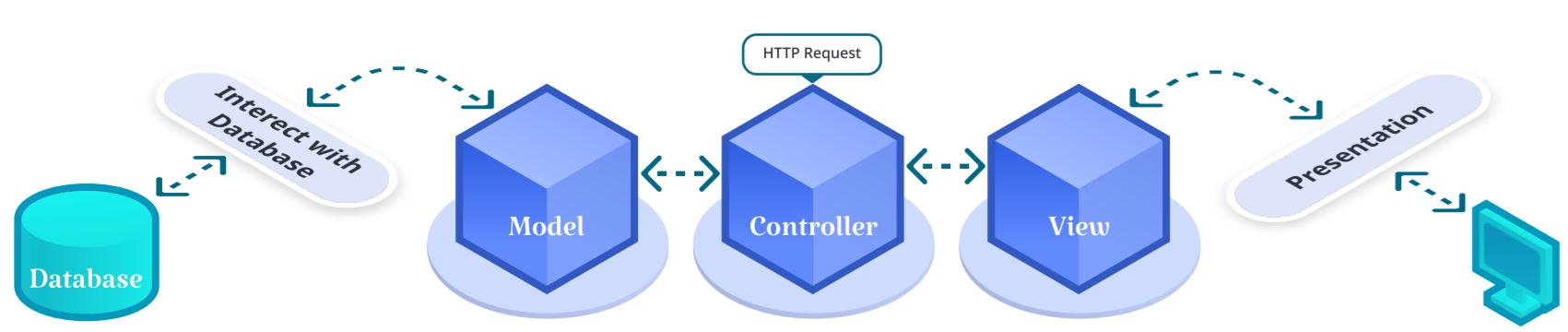
The Applicant Job Application feature allows job seekers to easily browse, search, and apply for open job vacancies posted by employers on the platform. It provides a user-friendly and efficient process for candidates to find suitable job opportunities and submit their applications. Additionally, applicants can track the status of their submissions, ensuring a transparent and organized job application experience.

## **Employer Job Postings**

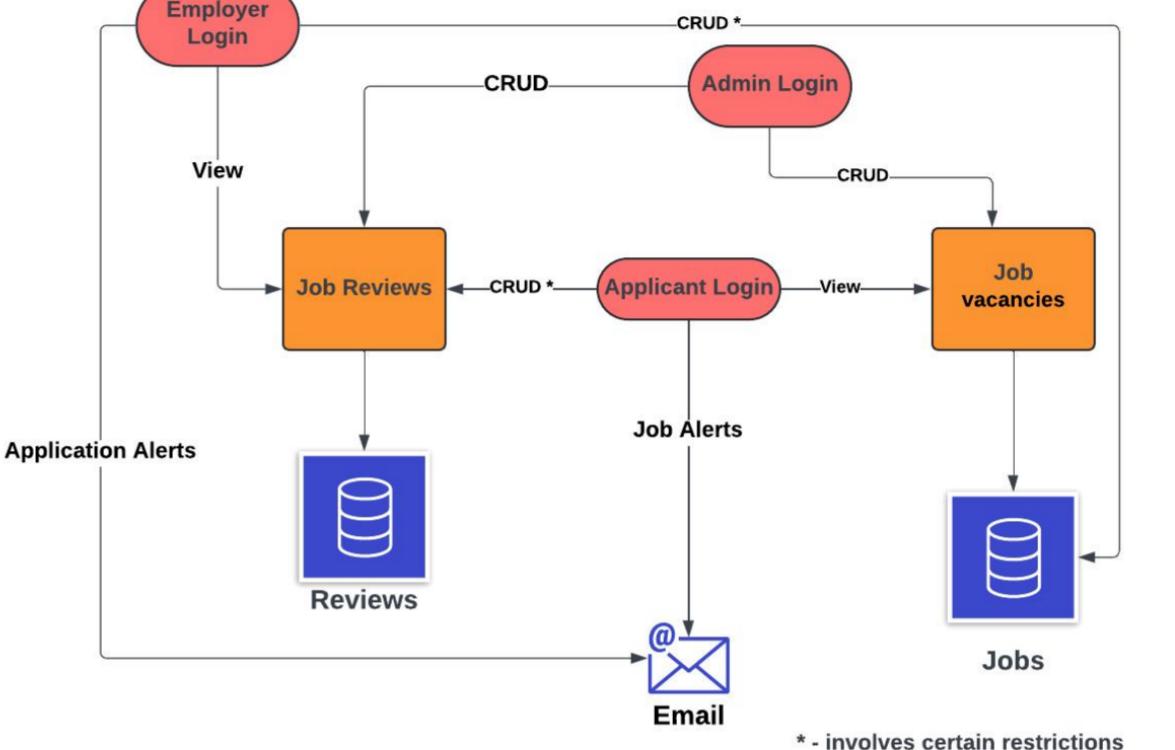
The Employer Account functionality enables companies to create, manage, and maintain an account on the platform, allowing them to post and track job vacancies. This feature is designed to streamline the recruitment process, giving employers a comprehensive tool to post openings, review applications, and manage job listings.

# Model View Controller (MVC)

MVC is an architectural design which divides the whole application into three components



# INTRODUCTION & FLOW-CHART



## Features

The system enables students to securely create accounts and submit anonymous reviews for on-campus jobs, ensuring only authenticated users can post while maintaining privacy. Students can also browse reviews from peers, gaining insights into various job roles. With SQL Database Integration, user accounts, reviews, and job information are efficiently managed, ensuring data security and smooth performance. While the current implementation includes six test cases, we plan to expand this to 50 test cases to further enhance the system's robustness and reliability.

# FUNCTIONALITY & USER INTERFACE

The diagram illustrates the NC State Campus Jobs website interface, organized into five main sections:

- APPLICANTS**: Shows the "Applicants for Your Jobs" page where users can view job reviews from peers.
- USERS**: Shows the "User Management" page where administrators can manage user accounts.
- JOB**: Shows the "Jobs" page where users can view and apply for various job listings.
- REVIEWS**: Shows the "Reviews" page where users can search for and read reviews of different job roles.
- CONTACT US**: Shows the "Contact Us" page where users can get in touch with the administration.

Each section is represented by a screenshot of the website's interface, with arrows pointing from the left towards the center. The website has a dark header with the title "FUNCTIONALITY & USER INTERFACE". The footer of the website includes links for HOME, ABOUT, CONTACT, LOGOUT, and Welcome, admin.

# TECHNOLOGY STACK



## FUTURE WORK

The next version enhances user experience by introducing a dashboard with insights on job satisfaction and common feedback themes. Gamified features like badges and leaderboards encourage quality reviews, while AI-powered summaries provide concise insights for each job. Customizable alerts send personalized job notifications, and a new mobile app improves access to reviews and applications on the go.

SCAN ME

