

Online Campus Selection System Documentation

1. Project Summary

The Online Campus Selection System is a web-based application developed using ASP.NET with C# as the front-end and SQL Server 2008 as the back-end database. It serves as a platform for job seekers (students) and recruiters (companies) to connect, facilitating the hiring process for HR departments in colleges and universities.

2. Purpose and Objectives

The purpose of the Online Campus Selection System is to automate the recruitment process, providing HR departments with an efficient tool for student selection. This system helps in maintaining student records, evaluating student performance, and providing an integrated platform for student and company communication.

Objectives:

- Maintain individual and section-wise student records.
- Enable online registrations for the selection test.
- Provide automated technical screening and email integration for recruitment.

3. Features

- ****Admin Features****: Full control over the system, including managing students and companies.
- ****Company Features****: Register, post jobs, search for students, communicate with students, and set up exams.
- ****Student Features****: Register, create a profile, search and apply for jobs, receive job alerts, and communicate with companies.

4. Scope

This system automates the selection activities that HR departments perform before and after the selection process. It saves time and costs associated with student selection and facilitates communication between students and recruiters.

5. System Requirements

- **Frontend**: ASP.NET with C#
- **Backend**: SQL Server 2008
- **Development Environment**: Visual Studio
- **Server Requirements**: XAMPP for local server setup

6. Installation Guide

1. Install Visual Studio with ASP.NET support.
2. Install SQL Server 2008.
3. Import `CampusSelectionDB.sql` from the `/db` folder to set up the database.
4. Update the connection strings in `web.config` with database credentials.
5. Run the application in Visual Studio and access via `http://localhost`.

7. Usage Guide

- **Admin**: Access to manage all users and system settings.
- **Company**: Register to post jobs, view applicants, and communicate with students.
- **Student**: Register to search for jobs, apply, and communicate with companies.

8. Database Schema

The system uses SQL Server to store student, company, job, and message data. The main tables include:

- ****Students****: Stores personal and educational details.
- ****Companies****: Stores recruiter information and job postings.
- ****Jobs****: Contains job details.
- ****Messages****: Manages communication between students and recruiters.

9. System Diagrams

Diagrams used in the system include:

- Use Case Diagram
- Class Diagram
- Entity-Relationship Diagram
- Procedural Design Diagram

10. Screenshots

Include screenshots for:

- Home Page
- Student Registration
- Company Registration
- Job Posting and Search Pages

11. Future Enhancements

- Mobile app integration.
- Additional account types for companies.
- Enhanced user interface features.

12. Conclusion

The Online Campus Selection System facilitates recruitment for educational institutions and companies, providing a centralized platform for seamless communication between students and employers. This system aims to streamline the selection process, reduce manual work, and improve efficiency.