PLACEMENT READY CANDIDATE FINDER

Project submitted in Partial fulfilment of the Requirement for the award of the Degree of

BACHELOR OF COMPUTER APPLICATION
Semester VI

JAN-MAY, 2023

UNDER THE GUIDANCE OF:

Dr. Sanjay Tanwani

Submitted By:

Name: Pinkush Gole

Roll No. – 2011121 (Batch-A)

School of Computer Science & Information Technology
DAVV, INDORE

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DECLARATION

I, Pinkush Gole hereby declare that the project entitled "Placement Ready Candidate Finder" is an original and authentic work carried out by me under the guidance of Dr. Sanjay Tanwani. All the information and data presented in this project report are authentic and have been collected from reliable sources. Any reference to the work of others has been duly cited and acknowledged. We further declare that this project work has not been submitted in any other institution or university for the award of any degree or diploma.We take full responsibility for the content of this project report and We understand that any misconduct or plagiarism will be dealt with according to the rules and regulations of the institute.

Signature: _____

Date: _____

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DAVV, INDORE

CERTIFICATE

It is to certify that we have examined the dissertation on "Placement Candy Finder". submitted by Mr. Tilakraj Singh Ranawat to the School of Computer Science & IT, DAVY Indore and hereby accord our approval of it as a study carried out and presented in a manner required for its acceptance in partial fulfilment for the award of the degree of Bachelor of Computer Applications

Internal Examiner

Signature: _____

Name: _____

Date: _____

External Examiner

Signature: _____

Name: _____

Date: _____

Acknowledgement

We would like to express our sincere gratitude to all those who have contributed to the successful completion of this project report on “Placement Ready Candidate Finder”. We would first like to thank our project guide, **Dr. Sanjay Tanwani**, H.O.D of SCSIT for providing us with valuable guidance and support throughout the project. Their expertise and insights have been instrumental in shaping our project and ensuring its successful completion. We are also grateful to our colleagues and peers who have provided us with their support, advice, and feedback throughout the project. Their contributions have been invaluable in helping us refine our ideas and improve the quality of our work. We would like to thank Nayan Birla for their valuable contributions to this project. Their insights, suggestions, and feedback have been instrumental in shaping our project and ensuring its success. Finally, we would like to express our heartfelt thanks to our families and loved ones for their unwavering support and encouragement throughout the project. Their love and support have been a constant source of inspiration and motivation for us. Thank you all for your contributions to this project report. We hope that our work will be of value to the industry and academia, and will contribute to the advancement of knowledge and innovation in the field.

Signature of student

Date:

Place:

ABSTRACT

The Project Placement Ready Candidate Finder is an innovative platform designed to revolutionize the college placement process. It serves as a bridge between students and employers, providing a streamlined and efficient approach to matching qualified candidates with job opportunities. This ensures that students are presented with relevant opportunities that align with their career aspirations, increasing their chances of securing meaningful employment.

For employers, the platform offers a comprehensive database of qualified candidates, allowing them to efficiently search and review profiles based on specific criteria. Direct messaging capabilities facilitate seamless communication between employers and candidates, simplifying the interview process and ensuring efficient hiring decisions. The platform utilizes cutting-edge web development technologies, robust database management systems, and secure authentication protocols to ensure a user-friendly and secure experience for all users. It also incorporates data analytics and reporting features, enabling stakeholders to track key metrics, gain valuable insights, and make informed decisions. With a focus on continuous improvement, the Project Placement Ready Candidate Finder aims to enhance its features and expand its reach. Future developments include mobile optimization, integration with external platforms, and further customization to cater to specific industries and regions.

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1. Introduction

Are you tired of sifting through numerous resumes and spending countless hours searching for the perfect candidate for your job opening? Look no further! The Placement Ready Candidate Finder is here to revolutionize your recruitment process. The Placement Ready Candidate Finder is a software tool designed to streamline and optimize the candidate search and selection process. An innovative solution designed to connect college graduates with organizations seeking top-notch talent.

1.1 Background

The Project Placement Ready Candidate Finder was born out of a deep understanding of the challenges faced by both college students and employers in the recruitment process. Historically, students have struggled to effectively showcase their skills and experiences to potential employers, while employers have faced difficulties in identifying the right candidates for their job openings. Recognizing these pain points, we set out to create a solution that would bridge the gap and revolutionize the way students are placed in suitable career opportunities.

1.2 Objective

The objective of the Project Placement Ready Candidate Finder is to revolutionize the recruitment process by providing a comprehensive, data-driven, and efficient platform that connects college students with suitable career opportunities. The primary goals of the project include:

- Enhancing Student Employability: The platform aims to empower college students by enabling them to effectively showcase their skills, projects, and experiences to potential employers. By providing a centralized platform for students to create detailed profiles and highlight their accomplishments, the objective is to increase their visibility and improve their chances of securing meaningful job placements.

- Facilitating Efficient Talent Acquisition: The Project Placement Ready Candidate Finder aims to simplify and optimize the recruitment process for employers. This will help save time and resources traditionally spent on manual resume screenings and increase the chances of finding the right fit for each position.

- Promoting Direct Interaction: The platform aims to facilitate direct interaction between students and employers, fostering meaningful connections and communication. By providing features such as messaging capabilities, employers can engage with students, discuss job opportunities, provide feedback, and gain a deeper understanding of each candidate's potential.

1.3 Purpose and Scope

1.3.1 Purpose

The purpose of the Project Placement Ready Candidate Finder is to create a robust and efficient platform that connects college students with suitable career opportunities, while simultaneously assisting employers in finding the best-fitting candidates. The ultimate aim is to facilitate successful placements that align with the skills, qualifications, and aspirations of students, while meeting the specific requirements and needs of employers. By bridging the gap between students and employers, the purpose is to contribute to the growth and success of both parties, ultimately strengthening the overall job market ecosystem.

1.3.2 Scope

The scope of the Project Placement Ready Candidate Finder encompasses the following key areas:

Student Profile Creation: The platform enables college students to create comprehensive profiles that showcase their academic qualifications, skills, projects, internships, and other relevant experiences. Students can input and highlight their achievements, certifications, and personal attributes to present a holistic view of their capabilities.

Employer Job Postings: Employers can post job openings, providing detailed descriptions of the roles, required qualifications, desired skills, and organizational culture. The platform allows employers to specify their expectations and preferences, ensuring that the right candidates are targeted for each position.

Direct Interaction: The platform facilitates direct communication between students and employers, enabling messaging capabilities for discussions related to job opportunities, interview arrangements, and feedback exchange.

2. SUREVY OF TECHNOLOGY

A survey of technologies used in the development and implementation of the Project Placement Ready Candidate Finder reveals a comprehensive and cutting-edge approach to creating an efficient platform. The following technologies have been utilized:

Web Development Technologies: The platform is built using web development technologies such as Bootsrap and Java and MySql for database. These foundational technologies ensure a user-friendly and interactive interface for both students and employers.

By leveraging these technologies, the Project Placement Ready Candidate Finder creates a robust and efficient platform that effectively connects students and employers, streamlines the recruitment process, and maximizes the potential for successful placements.

The various technologies available for consideration are as follows:

Operating System: Windows 10

Client-Side Scripting:

- HTML
- CSS
- Bootstrap

Server-Side Scripting: Java

Database Tool: My SQL

Testing Server: Chrome

3. REQUIREMENTS AND ANALYSIS

This analysis helps ensure that the platform meets the desired objectives and provides a comprehensive solution for both students and employers. The following are some key aspects of requirement analysis:

3.1Software requirement specification

Introduction:

- Provide an overview of the system and its purpose.
- Specify the stakeholders involved, including students, employers, and administrators.
- Define the scope and boundaries of the system.

Functional Requirements:

2.1 Student Module:

- User Registration: Colleges should be able to create an account by providing necessary details and completing the registration process.
- Profile Creation: Colleges should have the ability to create comprehensive profiles, including academic qualifications, skills, projects, internships, certifications, and personal attributes.
- Job Search: Colleges should be able to search and view job postings based on their preferences, skills, and qualifications.

2.2 Employer Module:

- User Registration: Employers should be able to create an account by providing necessary details and completing the registration process.
- Candidate Search: Employers should be able to search and view student profiles based on specific criteria, including skills, qualifications, and preferences.

2.3 Administrator Module:

- User Management: Administrators should be able to manage user accounts, including student and employer registrations, approvals, and user access levels.
- Analytics and Reporting: Administrators should be able to access data analytics and reporting features, including metrics on student engagement, job placements, and system performance.

Non-Functional Requirements:

- Security and Privacy: Implement robust security measures to protect user data, ensure secure authentication, and maintain privacy throughout the platform.
- Scalability and Performance: Design the platform to handle a large volume of users, ensuring scalability and responsiveness to support concurrent user activity.
- User Experience: Focus on creating an intuitive and user-friendly interface that is easy to navigate for both students and employers, optimizing for different devices including mobile devices.

3.2 External Interface Requirements:

User Interface:

User of the system will be provided with the Graphical user interface, there is no command line interface for any functions of the product.

Hardware Interface:

Hardware requirements for running this project are as follows:

Processor: - Pentium I or above.

RAM: - 128 MB or above.

HD: - 20 GB or above.

Software Interface: -

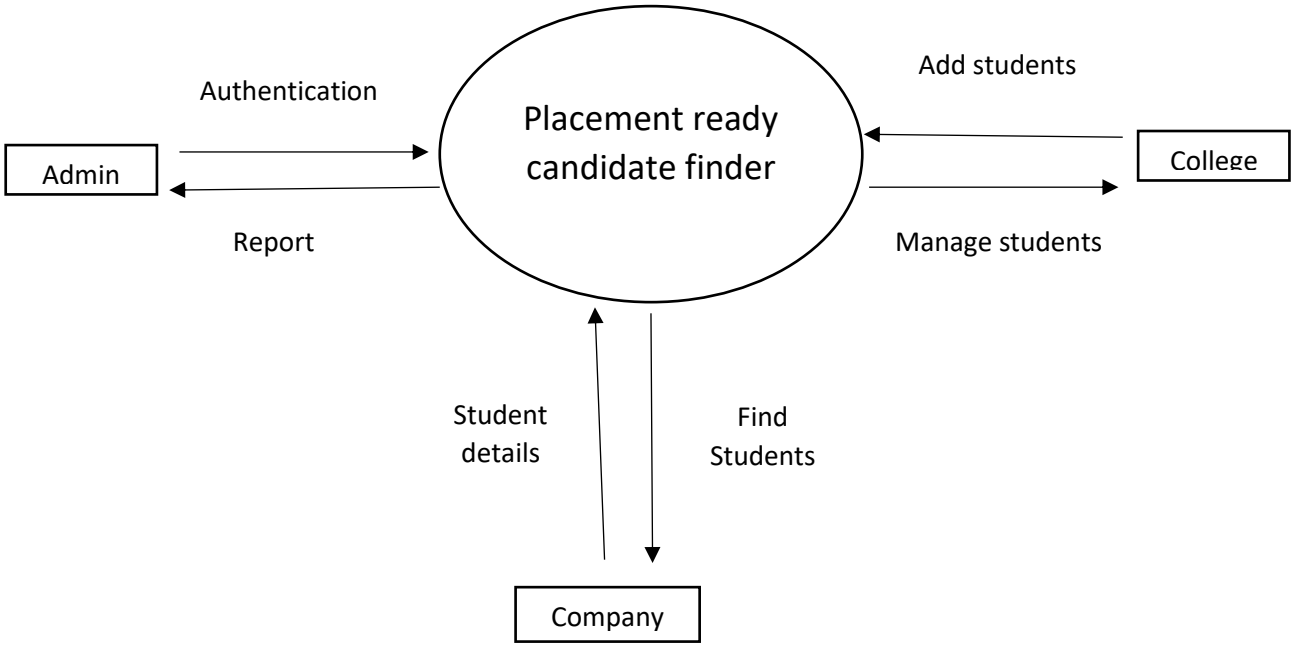
Software required to make working of product is: -

Front end- BootStrap

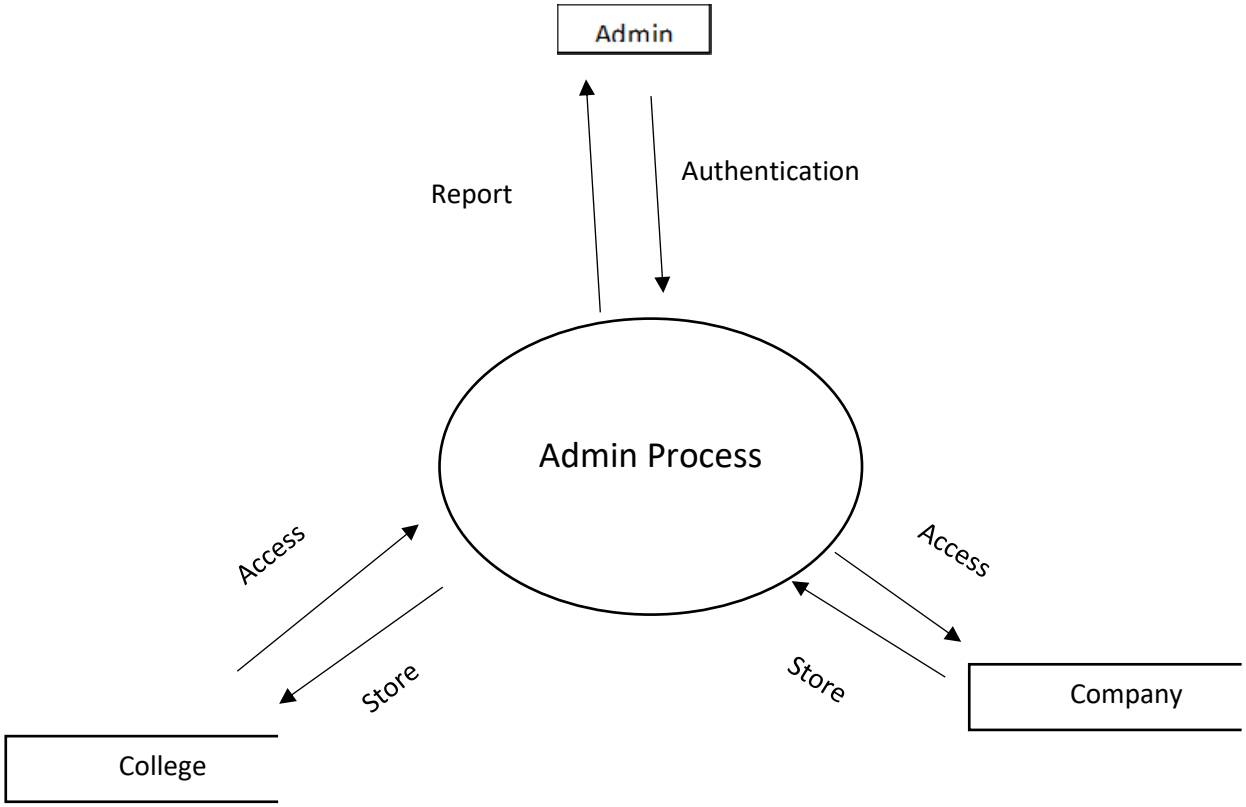
Back end- Java

Database - My SQL

3.4 **Conceptual Design**



Context Diagram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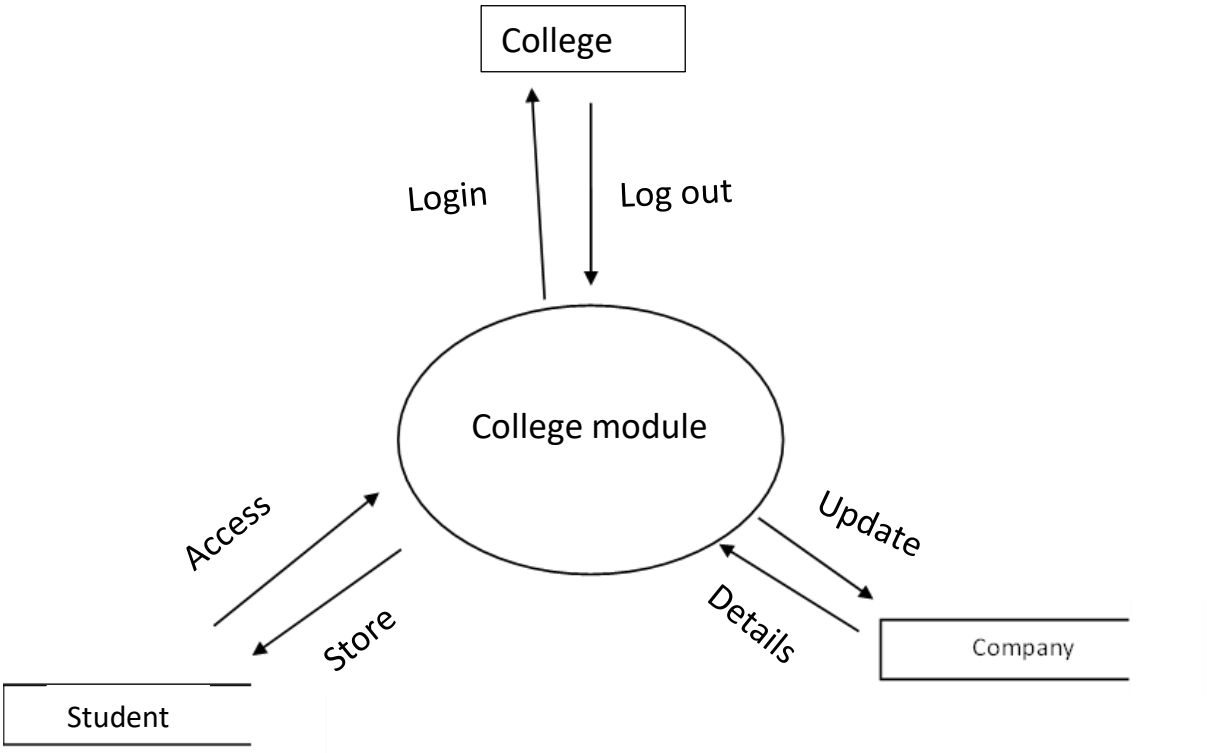
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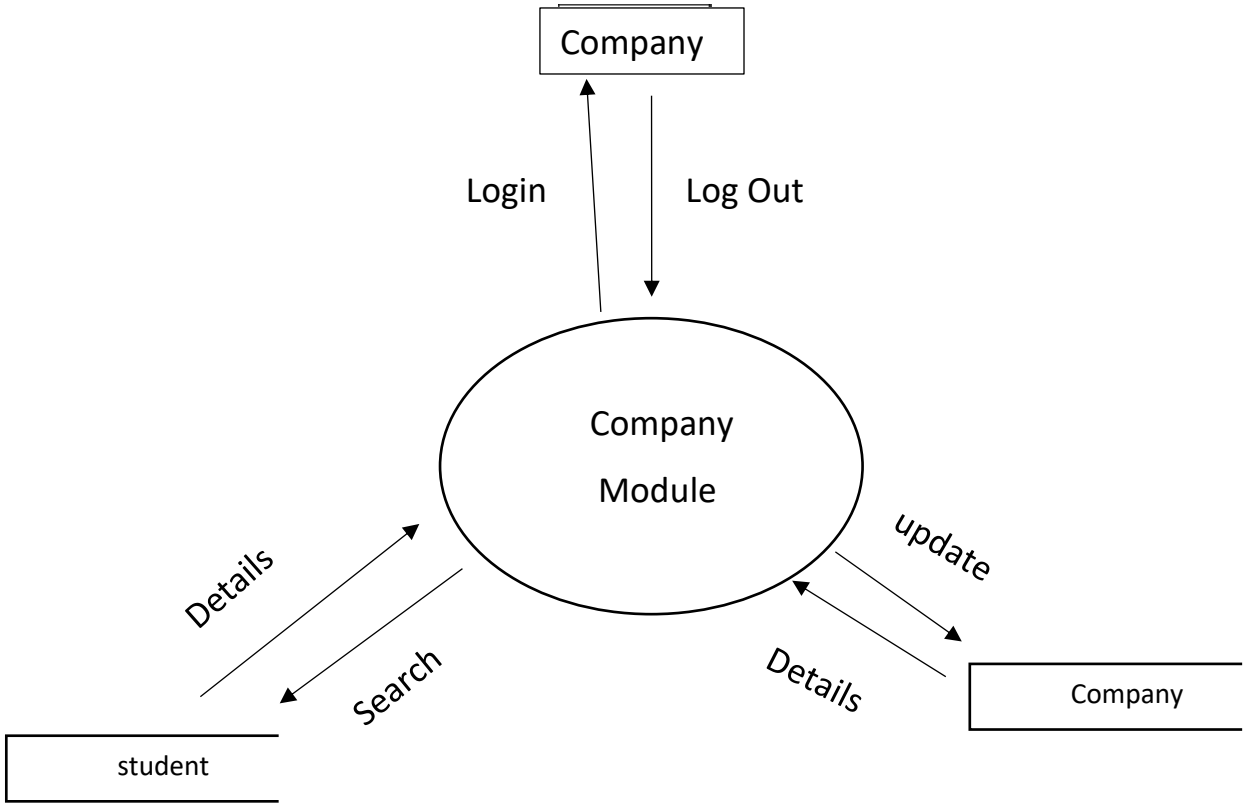
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Log Out
Company
Module
Details
Search
update
Details
Company
student

Level -1

4. SYSTEM DESIGN

Input Design

Very careful attention had to be given to input design, which is a major part of the overall system design. In order to make the data entry as easy, logical and error free as possible, specific standards had been followed. Validation checks, provided in the system prevented the user in entering incorrect, erroneous data. This made sure that, only valid data had been available for data processing. If valid data was entered, then meaningful error messages had been prompted to enter correct data. The interactive screen formats facilitate the entry of valid data.

VALIDATIONS:

Some fields are having only number, as an I/P. For this key ASCII is checked. If they entered characters, it would display the message to enter number only. Exchange rates field will be validated for number and dot symbols.

INPUT DESIGN OBJECTIVES:

- The numbers of clear objectives of input design are,
- To produce a cost effective method of input
- To achieve the highest possible level of accuracy
- To ensure that the input is acceptable to and understand by the user staff

OUTPUT DESIGN:

Output, as you probably know, generally refers to the results and information that are generated by the system. For many end-users, output is the main reason for developing the system and the basis on which they will evaluate the usefulness of the application. Most end users will not actually operate the information system or enter data through workstations, but they will use the output from the system. When designing output, systems analysts must accomplish the following.

- Determine what information to present
- Decide whether to display, print, or "speak" the information and select the output
- medium.
- Arrange the presentation of information in an acceptable format.
- Decide how to distribute the output to intended recipients.

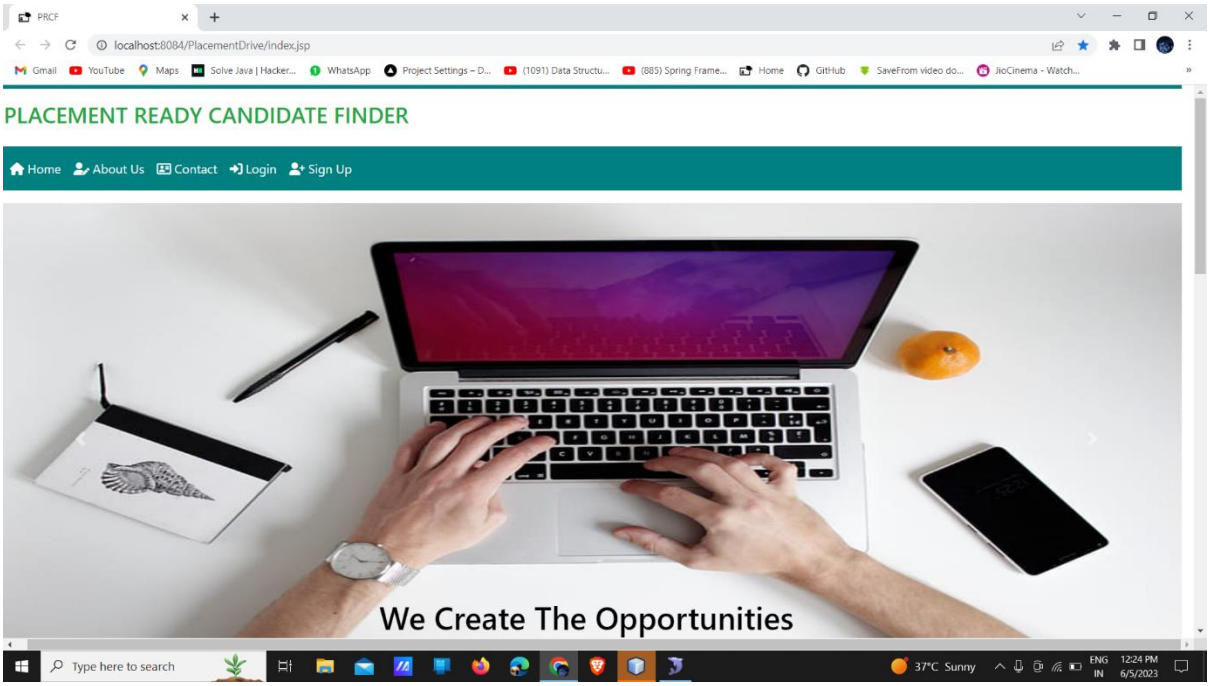
That alignment of information on a display or printed document is termed as layout. Accomplishing the general activities listed above will require specific decisions, such as whether to use pre-printed forms when preparing reports and documents, how many lines to plan on a printed page, or whether to use graphics and clothe output design is specified on layout performs, sheets that describe the location characteristics, and format of the column headings and pagination. As we indicated at the beginning of this discussion, these elements are analogous to an architect's

5. IMPLEMENTATION AND TESTING

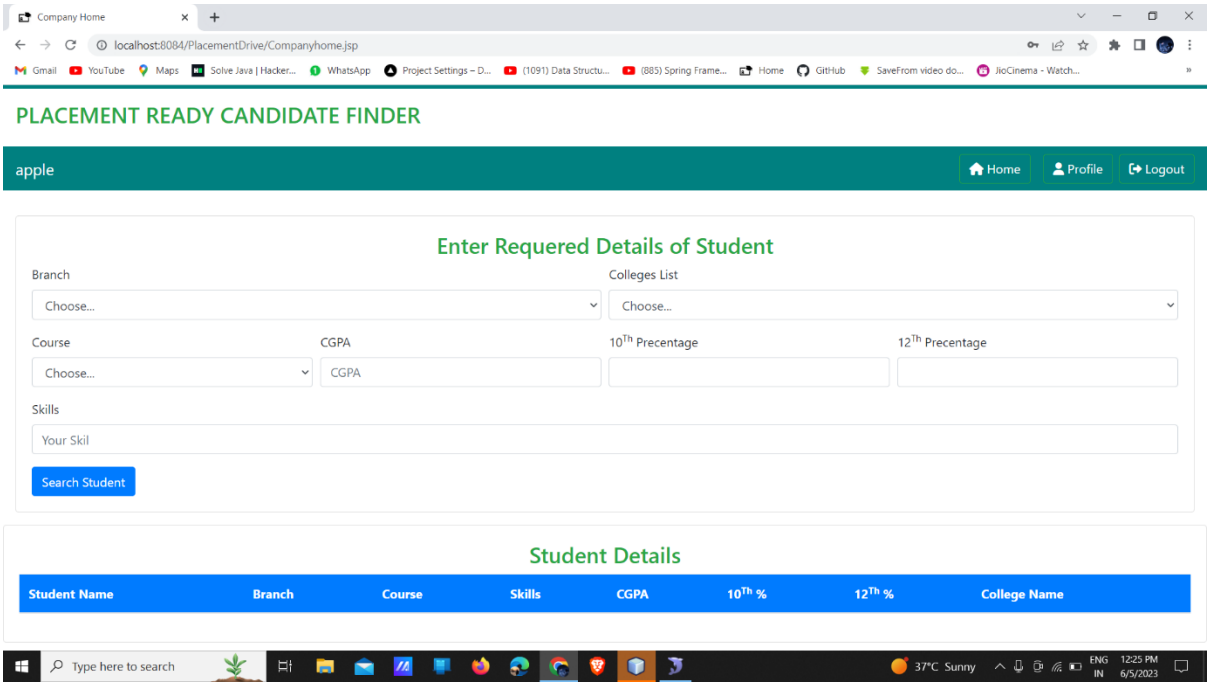
The Software Design Description Document has been used as input in the implementation process. The actual implementation has been done using Java. Java has been used to interact with the backend database. In this implementation, My SQL Server has been used as the backend RDBMS. Java processes the inputs or commands given by the user and translates them in the commands understandable to the backend database. The output produced by the backend database is also handled by Java which then displayed on the Browser screen blue print that shows the location of each component.

Screenshots

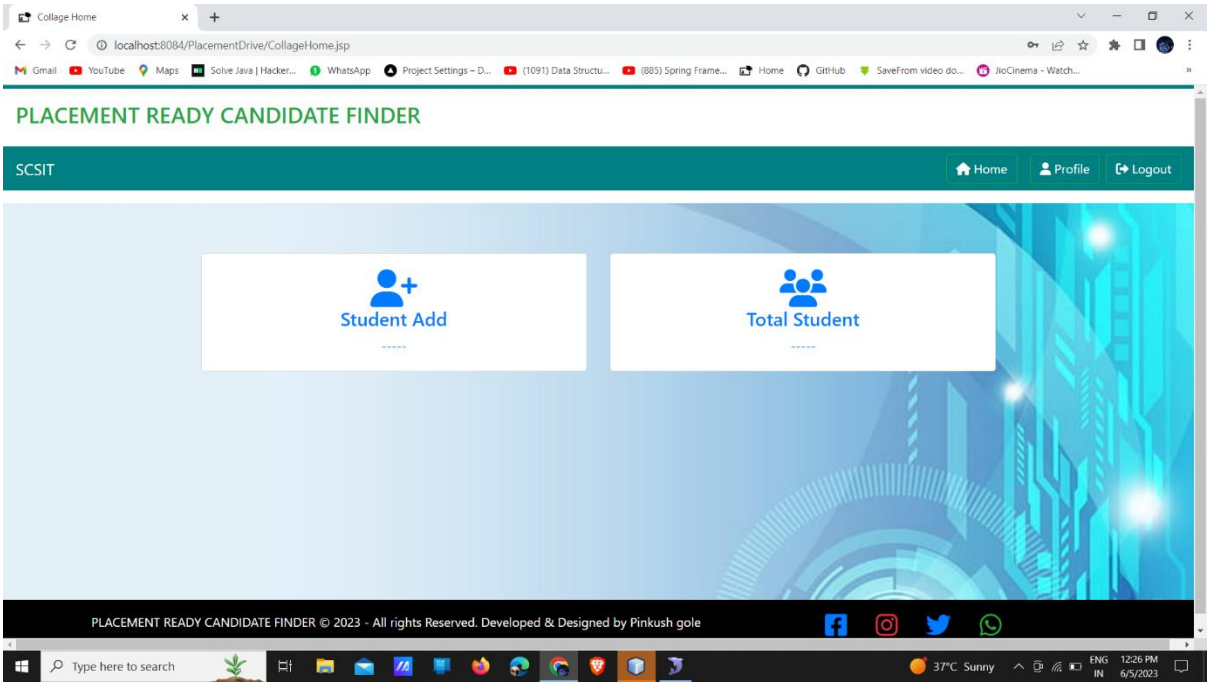
Homepage



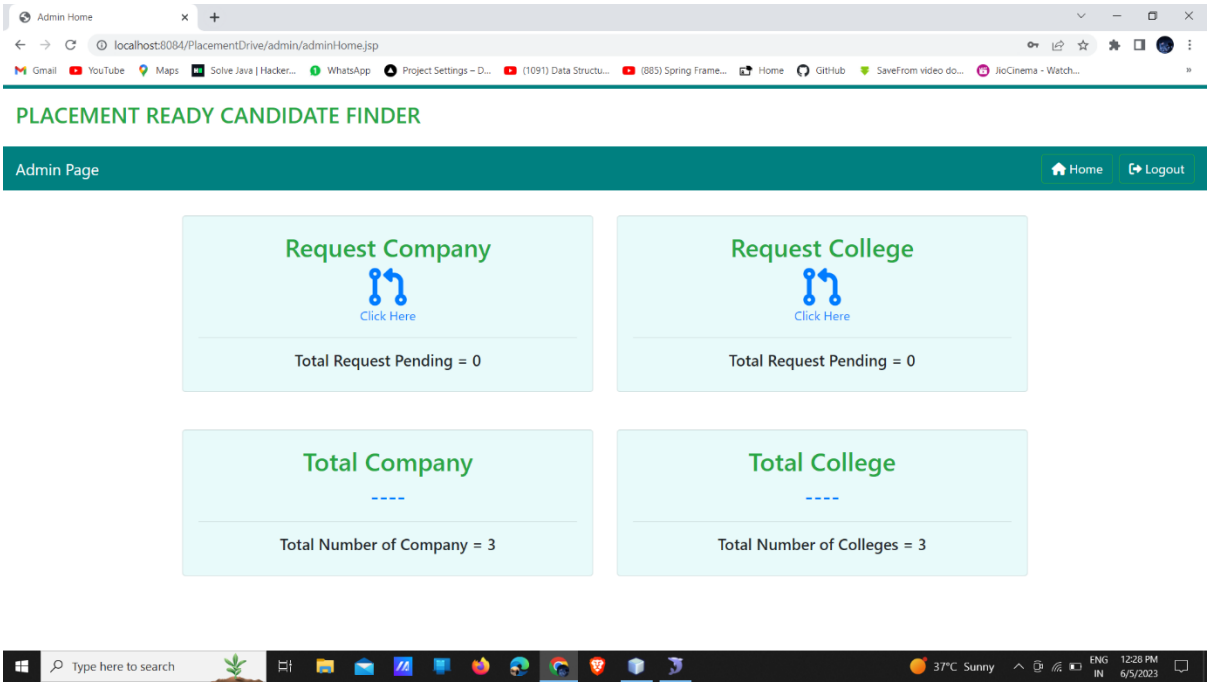
Company Homepage



College Homepage



Admin Homepage



TESTING PROCEDURES

Unit Testing:

A Unit corresponds to a form/class in the package. Unit testing focuses on verification of the corresponding form or class. In this level we have tested all our forms/classes individually. This testing includes testing of control paths, interfaces, local data structures, logical decisions, boundary conditions, and error handling. From

This testing we were able to save, retrieve, update, delete and the search records on a table.

Integration Testing

Integration testing is used to verify the combination of thesoftware modules.

In this level, we have tested by combining all unit tested formsinto a subsystem. Here we found that the subsystems are performing well.

System Testing:

System testing is used to verify, whether the developed system meets the requirements.

Acceptance Testing:

Acceptance is the part of the project by which the customer accepts the product. The system under consideration is tested for user acceptance by constantly keeping in touch with the system users at time of developing and making changes whenever required.

We hope that after the acceptance testing the system will perform the best result for the organization. When modification will be made, we will use regression testing during the maintenance of the system. The Software System delivered to the customer may undergo changes. Changes may be due to addition of new functional modules or performance enhancement. For this purpose proper maintenance of the system is must.

6. FUTURE APPLICATION

The future of the Project Placement Ready Candidate Finder holds exciting possibilities for further growth and enhancement. Some potential areas for development and improvement include:

AI-Driven Recommendations: Implement more sophisticated artificial intelligence algorithms to improve the accuracy and precision of candidate matching. By analyzing a broader range of data points and incorporating machine learning techniques, the platform can provide even more precise and personalized job recommendations for students and employers.

Enhanced User Experience: Continuously refine the user interface and user experience (UI/UX) design to provide a seamless and intuitive platform for students, employers, and administrators. Incorporating user feedback and conducting usability testing can help identify areas for improvement and optimize the overall user experience.

Mobile Application: Develop a dedicated mobile application for the Project Placement Ready Candidate Finder to enable students and employers to access the platform conveniently from their smartphones or tablets. This mobile app can provide a streamlined experience, push notifications for new job opportunities, and seamless communication features.

Expanded Industry Partnerships: Forge strategic partnerships with a broader range of companies and organizations across various industries. By expanding the network of employers, the platform can offer a wider range of job opportunities and enhance the chances of successful placements for students.

Data Analytics and Insights: Further enhance the data analytics and reporting capabilities of the platform to provide more comprehensive insights for students, employers, and administrators. Advanced analytics can help track and measure key metrics, identify trends in job market demands, and offer actionable insights to improve recruitment strategies and career planning.

7. CONCLUSION

After implementing the application, it will contain the advantages were incomparable to the present contemporary systems used by company. The most admirable feature founded was its simplicity in terms of application to the user but its highly beneficial outputs can't be ignored. The users will be highly benefited after using the system.

It is hoped that this project will help the future developers to modify and implement the system. After modifying some techniques of the programs, it will give us the best performance as our requirements. The project will be very useful for the users. In conclusion, the Project Placement Ready Candidate Finder is a dynamic and innovative platform that has revolutionized the college placement process. By connecting students and employers in a seamless and efficient manner, the platform has successfully facilitated job placements and enhanced career prospects for students while streamlining the recruitment process for employers.

Through advanced algorithms, data-driven matching techniques, and the integration of artificial intelligence, the platform has achieved remarkable accomplishments. It has increased the success rate of placements, improved student employability, and fostered collaborations with leading companies and organizations. The positive feedback and testimonials from both students and employers serve as a testament to its effectiveness and success.

The use of web development technologies, backend frameworks, database management systems, and cloud computing has ensured a robust and scalable platform. The integration of messaging and communication features, along with analytics and reporting capabilities, has further enhanced the user experience and provided valuable insights for stakeholders.

Looking towards the future, there are exciting opportunities for growth and improvement. From AI-driven recommendations and mobile applications to expanded industry partnerships and alumni engagement, the platform can continue to evolve and cater to the evolving needs of students and employers. Continuous iteration, learning, and customization will be crucial in staying ahead and delivering a cutting-edge platform.

In summary, the Project Placement Ready Candidate Finder has proven to be a game-changer in the college placement landscape.

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