FOURTH YEAR SEMESTER - 2 MAJOR PROJECT

Report on

ONLINE INTERNSHIP PORTAL

Project report submitted
in partial fulfilment of the requirement for the degree of
Bachelor of Technology
By

R170013 - B. MOUNIKA
R170014 - E. NIROSHA

Under the Supervision of

V. SRAVANI
Assistant Professor
Department Of Computer science and Engineering
Rajiv Gandhi University of Knowledge Technologies, R. K. Valley.

Department Of Computer Science and Engineering
May,2023

CERTIFICATE

RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES

(A.P. Government Act 18 of 2008)

RGUKT, RK VALLEY

Department of Computer Science and Engineering

CERTIFICATE FOR PROJECT COMPLETION

This is Certify that the project entitled "**ONLINE INTERNSHIP PORTAL"** submitted by **B.MOUNIKA(R170013)** , **E.NIROSHA(R170014)** ,under our guidance and supervision for the partial fulfilment for the degree Bachelor of Technology in Computer Science and Engineering during the academic year 2022-2023 at RGUKT, RK VALLEY. To the best of my knowledge, the results embodied in this dissertation work have not been submitted to any University or Institute for the award of any degree.

Project Internal Guide

V.SRAVANI

RGUKT, RK VALLEY

Head of The Department

N. SATYANANDARAM

RGUKT, RKVALLEY

DECLARATION

We certify that as a part of our 4th year academic curriculum, we joined under the guidance of V. SRAVANI (Project Guidance), RGUKT, R.K. VALLEY for our major project program of 2022-2023. Duration of minor project is 06/09/2022 to 04/05/2023. In this minor project, we developed our knowledge and practical experiences. This is our original work and it has not been presented earlier in this manner. This information is purely academic interest.

Students Names & Signatures

B. MOUNIKA

E. NIROSHA

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APPROVAL

The project titled - Online Internship Portal prepared by the following students has been submitted to the following respective member of the board of examiners of the Computer Science and Engineering, RGUKT, R.K. VALLEY in partial fulfilment of the requirements for the degree of Bachelor of Technology in Computer Science and Engineering. The project has been accepted on May,2023 as satisfactory.

Supervisor:
V.SRAVANI
Assistant Professor
Department of Computer Science and Engineering
RGUKT, RK Valley

Head of the Department
SATYANANDARAM N
Assistant Professor
Department of Electronics and Communication Engineering
RGUKT, RK Valley

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ACKNOWLEDGEMENT

We are very much happy that we have taken efforts. However, it would not be possible on our part to complete it without the kind support and help of many individuals and organization. We would like to express our gratitude towards all of them. We are grateful to our supervisor V. SRAVANI for her continuous guidance and also for providing us the necessary information and equipment needed for the project. We highly appreciate her time and encouragement that helps us to complete this project. We would like to express our special thanks to the Head of the Department N. SATYANANDARAM. Our appreciation also goes to our beloved Institution RGUKT, RK Valley for providing us the opportunities to prove ourselves.

B. MOUNIKA

E. NIROSHA

ABSTRACT

An online internship portal is a platform that connects students and recent graduates with employers offering internships. The portal allows students to search for internships based on their interests and qualifications, submit their applications, and communicate with potential employers. Employers can use the portal to post internship openings, review applications, and manage their internship programs. The online internship portal provides a convenient and efficient way for students to find relevant work experience and for employers to find qualified interns. This abstract highlights the importance and benefits of using an online internship portal in the modern job market.

1. INTRODUCTION

An online internship portal is a platform that connects students seeking internships with organizations offering internships. It provides a centralized location where students can search for internships based on their interests, skills, and locations. The portal allows organizers to post internship opportunities and reach out to potential candidates. The portal acts as a medium between students and organizers, facilitating communication and making the internship search process more efficient. By using an online internship portal, students can easily find internships that match their interests and skill sets, while organizations can reach a larger pool of potential candidates. Overall, an online internship portal is a valuable tool for both students and organizations in the search for internships.

2.Software Requirements Specification Document

2.1-Introduction:

The purpose of this document is to provide a comprehensive description of the requirements for the Online Internship Portal (OIP). The OIP is a web-based platform designed to connect students seeking internships with recruiters offering internships. The portal will allow students to search for internships based on various criteria, including the company name, job role, and title, and recruiters to post internship opportunities.

2.2-Functional Requirements:

Student Panel

The student panel shall allow students to search for internships based on the company name, job role, and title. The student panel shall allow students to perform an advanced search with multiple search options simultaneously. The student panel shall allow students to filter search results by various criteria, such as location, duration, and stipend. The student panel shall allow students to view internship details, including the job description, eligibility criteria, and application deadline. The student panel shall allow students to apply for internships by submitting their resume and a cover letter. The student panel shall allow students to receive notifications of new internships that match their preferences.

Recruiter Panel

The recruiter panel shall allow recruiters to post internship opportunities by specifying the job role, job description, location, duration, stipend, and eligibility criteria. The recruiter panel shall allow recruiters to view a list of

applicants who have applied for their internships. The recruiter panel shall allow recruiters to shortlist candidates and schedule interviews. The recruiter panel shall allow recruiters to send messages to candidates regarding their application status.

Admin Panel

The admin panel shall allow the administrator to manage user accounts, including creating, editing, and deleting user profiles. The admin panel shall allow the administrator to monitor and moderate content posted by recruiters and students.

The admin panel shall allow the administrator to generate reports on user activity, including the number of internships posted, the number of applications received, and the number of successful placements.

2.3-Technology Stack:

We used a combination of front-end and back-end technologies to build our online internship portal. The front-end of our portal was built using HTML, CSS, Bootstrap, and JavaScript, while the back-end was built using PHP. Here's a brief overview of each technology:

- HTML: Used for creating the structure and content of web pages.
- CSS: Used for styling web pages and making them visually appealing.
- Bootstrap: Used for creating a responsive, mobile-friendly design that works well on different devices.
- JavaScript: Used for adding interactivity and functionality to web pages.
- PHP: Used for handling user authentication, database operations, and other server-side tasks.

By using these technologies, we were able to create a user-friendly and responsive online portal that meets the needs of both students and recruiters. Each technology played a critical role in the development of our project and helped us achieve our goals.

2.4-Non-functional Requirements:

The portal shall be designed with a user-friendly and intuitive interface. The portal shall be responsive and compatible with various devices and screen sizes. The portal shall be secure and protect user data with appropriate encryption and authentication measures. The portal shall be scalable and able to handle a large volume of traffic and user activity. The portal shall comply with accessibility standards and ensure that users with disabilities can use the platform.

Constraints

The project shall be developed using the following technology stack: HTML, CSS, JavaScript, PHP, MySQL.

The project shall be completed within a timeline of 10 months.

Software Requirements

Operating System : Windows 11

Web Server : XAMPP

Database : MySQL

Client-side Requirements

Browser: Any HTML 4.0 or prior version compliance browser with a minimum screen resolution of 800X600 pixels (best viewed in 1024X768 resolution).

JavaScript: It should be enabled in the browser

Hardware Requirements

The following is a list of minimum requirements on server side.

Hard Disk: 40GB Hard disk with minimum 4GB free space

Interface: Mouse, Keyboard

On client side any hardware that can run a Web browser

Acceptance Criteria

The portal shall be tested and validated to ensure that all functional and non-functional requirements are met. The portal shall be launched and made available to the public. The portal shall receive positive feedback from users, including high user engagement, user satisfaction, and successful internship placements.

2.5-System Design:

Figure 2.5.1 shows us the system architecture which includes: Student: Where system will allow students to register and login into the portal. System will take students personal information to build their profile which will help them to get their desired job. There is a built-in function in the portal where students can search for the job that are in the list of jobs provided by the admin. When students are applying for the job it will be stored in application buffer for temporary purpose. After submit- ting it is going to be stored in list of applications which be displayed on admin side. Admin: Selection criteria will be provided to admin by companies. Admin will sort the list of criteria that are provided by the companies and stored in list of jobs which are displayed on student side. Admin will transfer the list of application to the companies and wait for their approval. Once the companies gives the approval admin will notify the student regarding their selection.

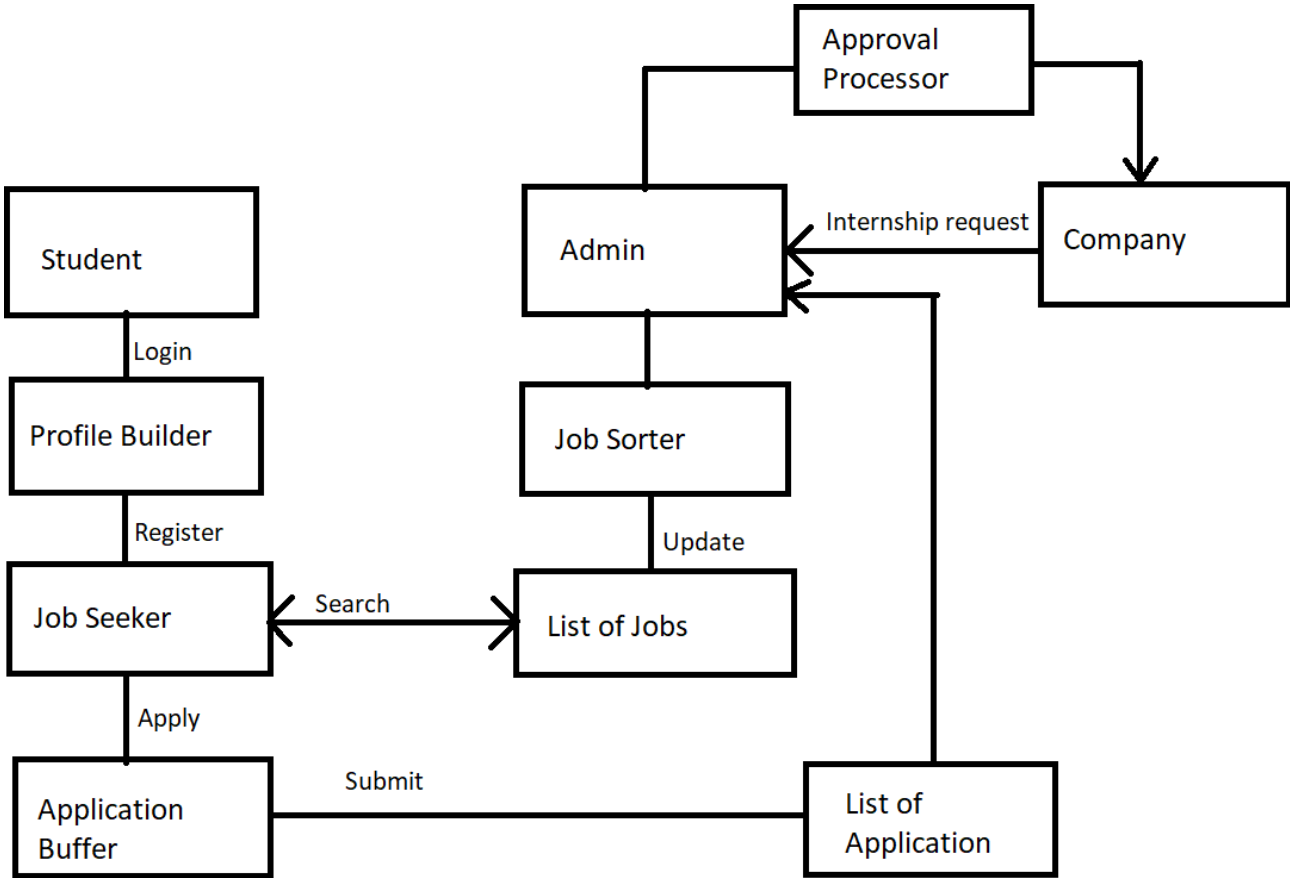


Fig:2.5.1 System Design

Fundamental Model

Fundamental model of the project gives overall idea about the project. . How the entities are related to each other, what are the attributes of the entities, how the data flows between the entities is shown by the fundamental model.

Data Flow Model DFD LEVEL 0

Figure 2.5.2 denotes the Level 0 Data Flow Diagram of the proposed system. It is also known as the context diagram. It contains one process node which is Internship Portal. There are three external entities student, admin and company. Arrows going to and for these entities and the process shows the actions between them.

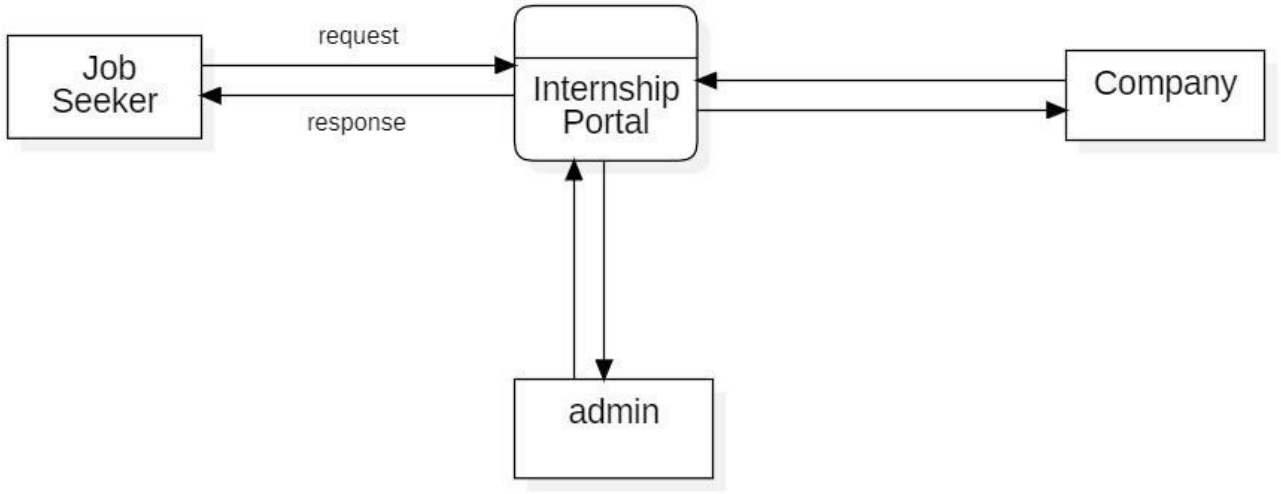


Fig:2.5.2 Data flow diagram

DFD LEVEL 1

Figure 2.3 shows the Level 1 Data Flow Diagram of the proposed system. It is exactly the same as the Level 0 DFD, but much simplified. It breaks down the main processes into subprocesses that can then be analysed and improved on a more intimate level. We can think of a level 1 DFD as an “exploded view” of the context diagram. The Level 1 DFD shows how the system is divided into sub-systems i.e. collect dataset, enter testing dataset, applying algorithm on training and testing dataset, compare training and testing dataset, calculate output, display output, and which together provide all of the functionality of the system as a whole.

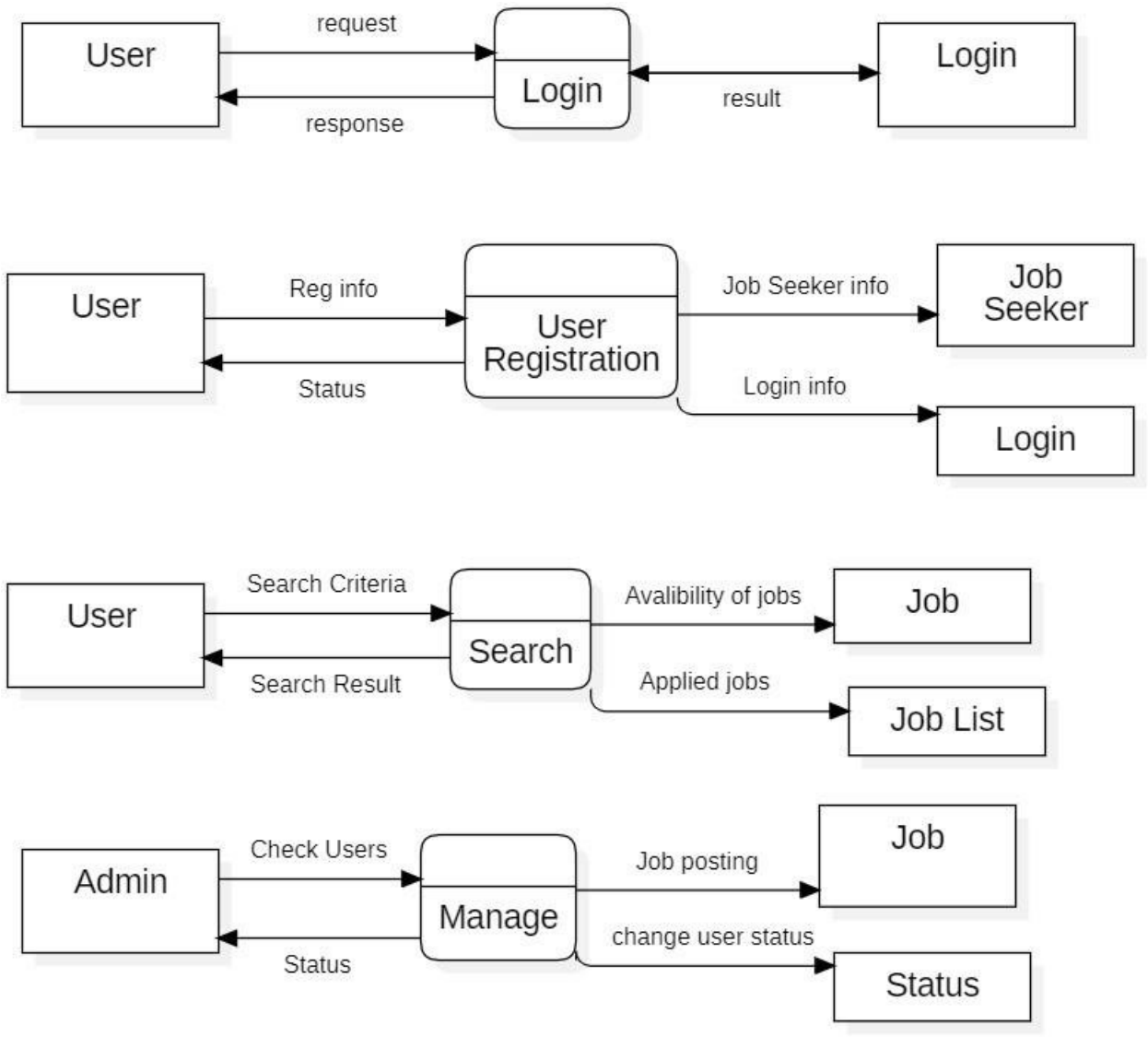


Fig:2.5.3 DFD Level-1 diagram

ER Diagram

Figure 2.5.4 shows the Entity Relationship (ER) Diagram of the proposed system. The Entity Relationship diagram is the data modelling technique that is illustrating entities in the system which are users, system and the database.

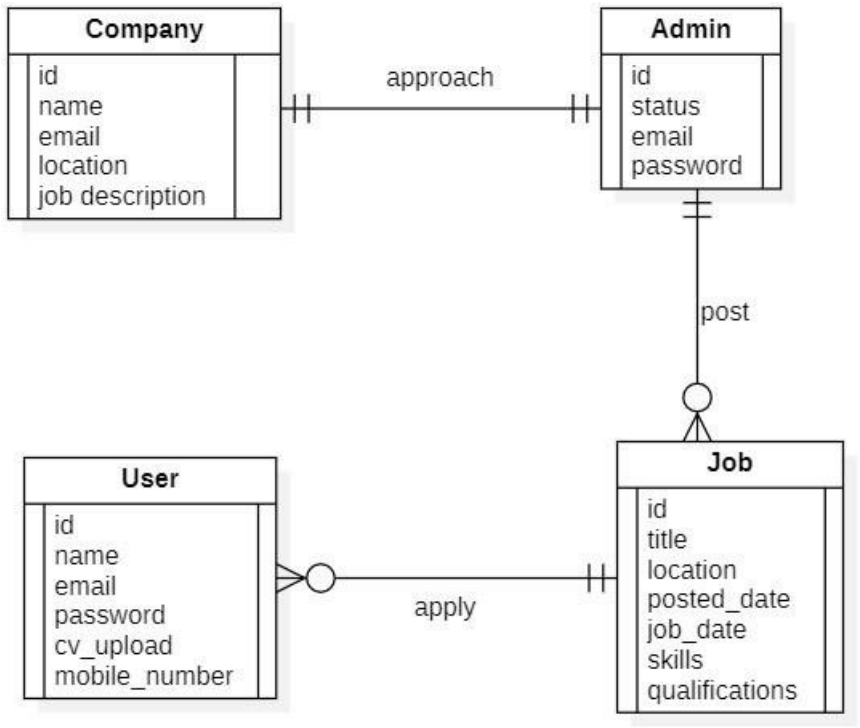


Fig:2.5.4 E-R Diagram

Use Case Diagram

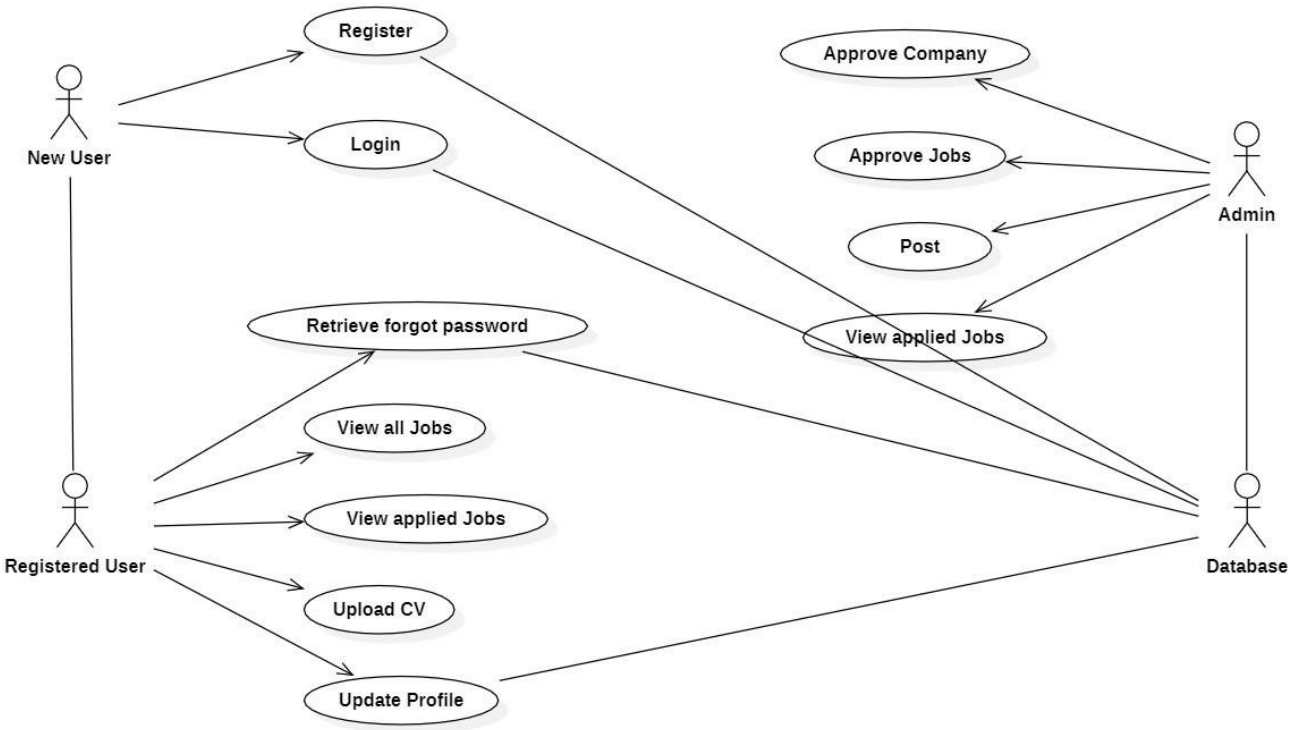


Fig:2.5.5 Use case diagram

Figure 2.5.5 denotes the Use Case Diagram of the proposed system. While understanding only the static nature of a system is insufficient, Use-Case diagrams helps to give the dynamic view of the system. Use Case diagrams models the system and the subsystems of an application. There are some external and internal factors that marks the dynamic nature of the Use Case diagram. We call them actors. While Use case diagrams can be considered as a high-level requirement analysis of the system, they give a clear notion of the actors and their roles (use cases) and hence is an important pictorial representation to understand system specifications early in the project. Use case diagrams are a clear visualization of actors (the internal or external factors), their roles (use cases) and relationship amongst these actors and their roles.

Activity Diagram

Activity Diagram is also one important UML diagram that gives the flow of execution of the system. While not being exact flowcharts activity diagrams have some capabilities like branching or swim lanes or indicating parallel flows. It is a pictorial representation of the different activities of a system, giving the wholistic view. A concept of forking and joining is used inside the activity diagrams to show the activity of the different components of the system. A function performed by the system can be called an activity of the system. Once we make out a mental layout of the entire flow, we proceed in drawing the activity Diagram.

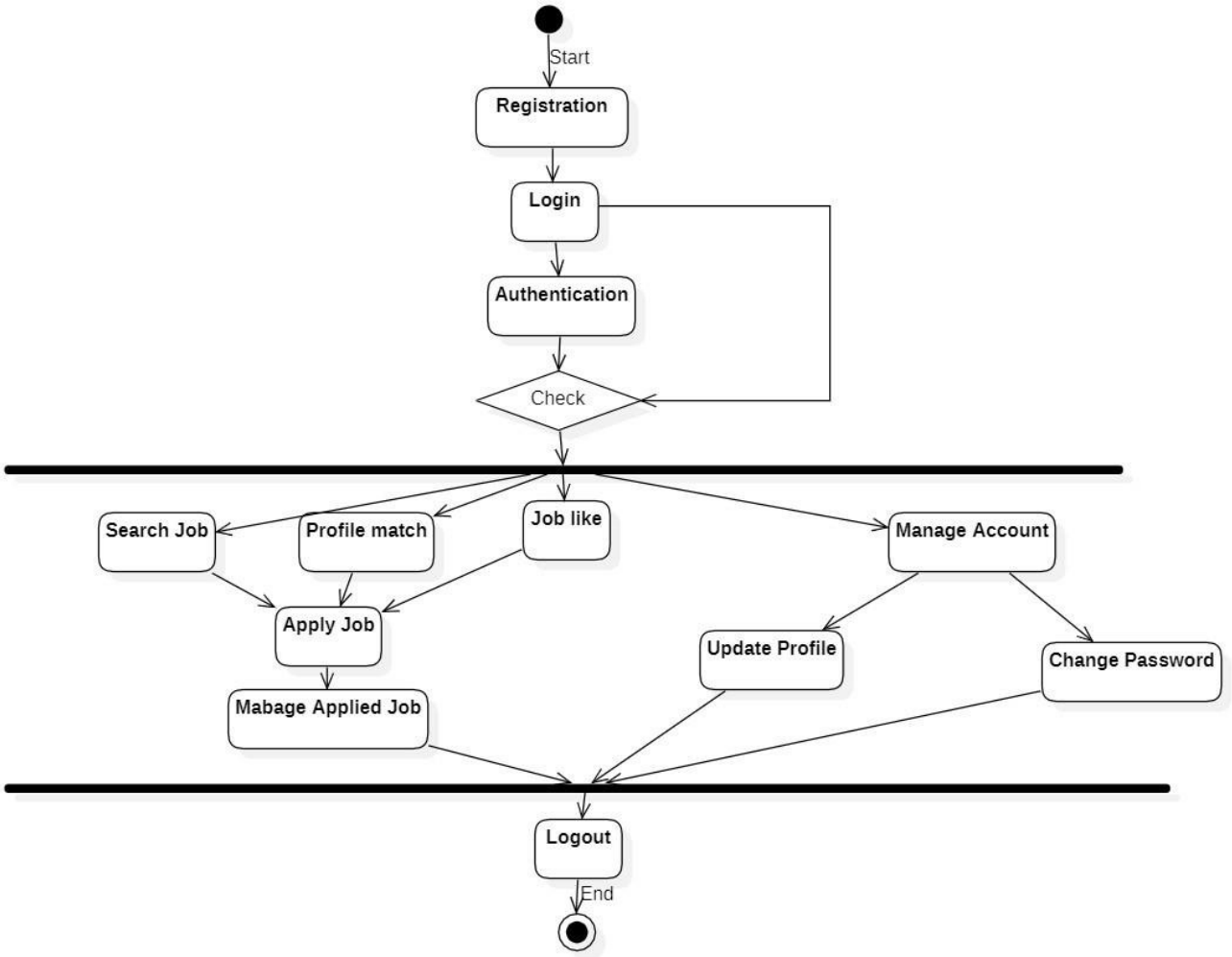


Fig:2.5.6 Activity Diagram

Sequence Diagram

The sequential flow of a system along with its sub system is pictorially represented by the sequence diagram. As the following diagram is an overall system sequence diagram, sequence diagrams can also be drawn at the modular level for every component in the system. Sequence diagrams emphasize more on the system requirements than on the system design. It focuses more on the sequence of messages delivered just after a sequence of activity occurs. Overall a sequence diagram helps in modelling and documenting.

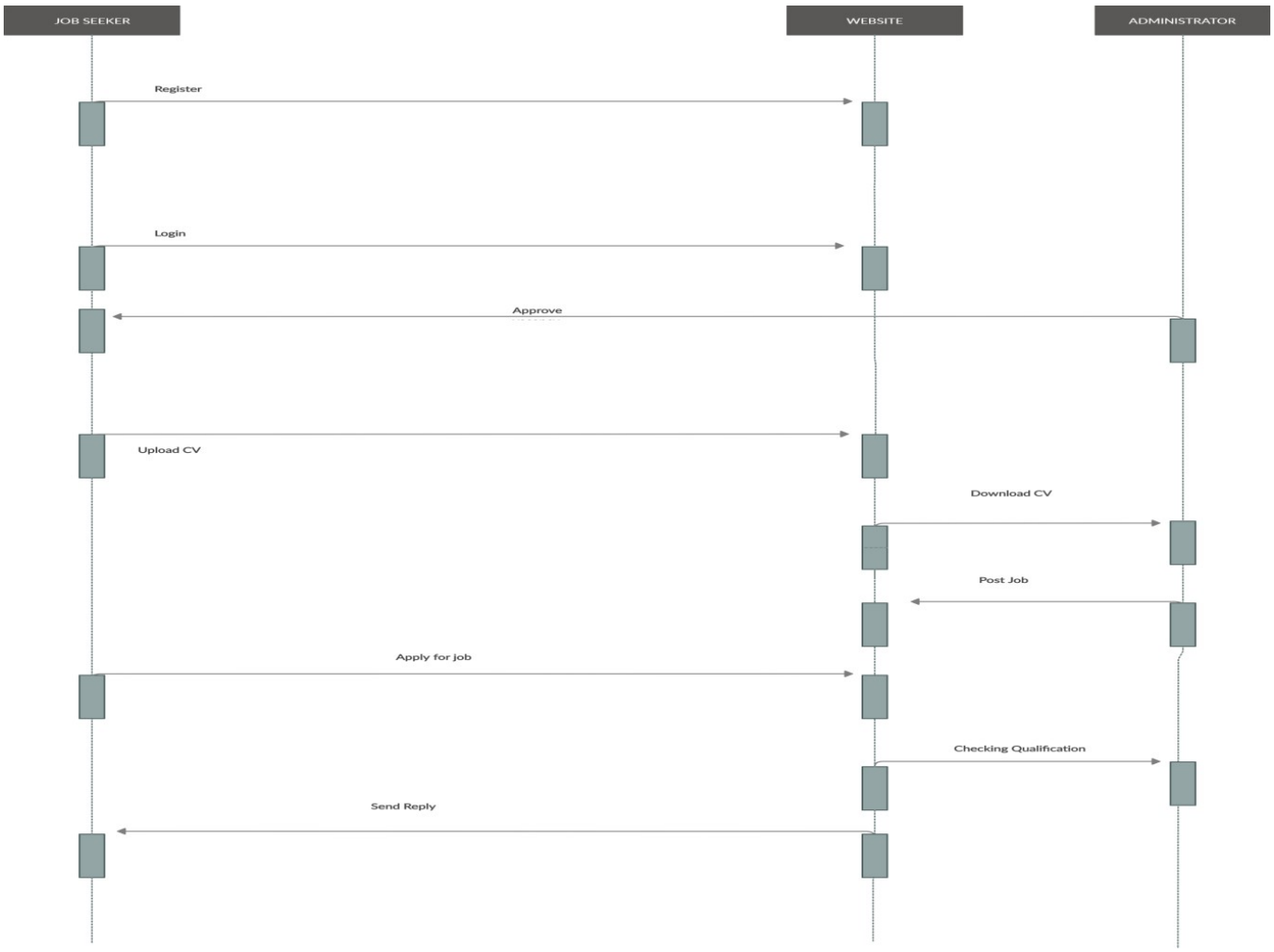
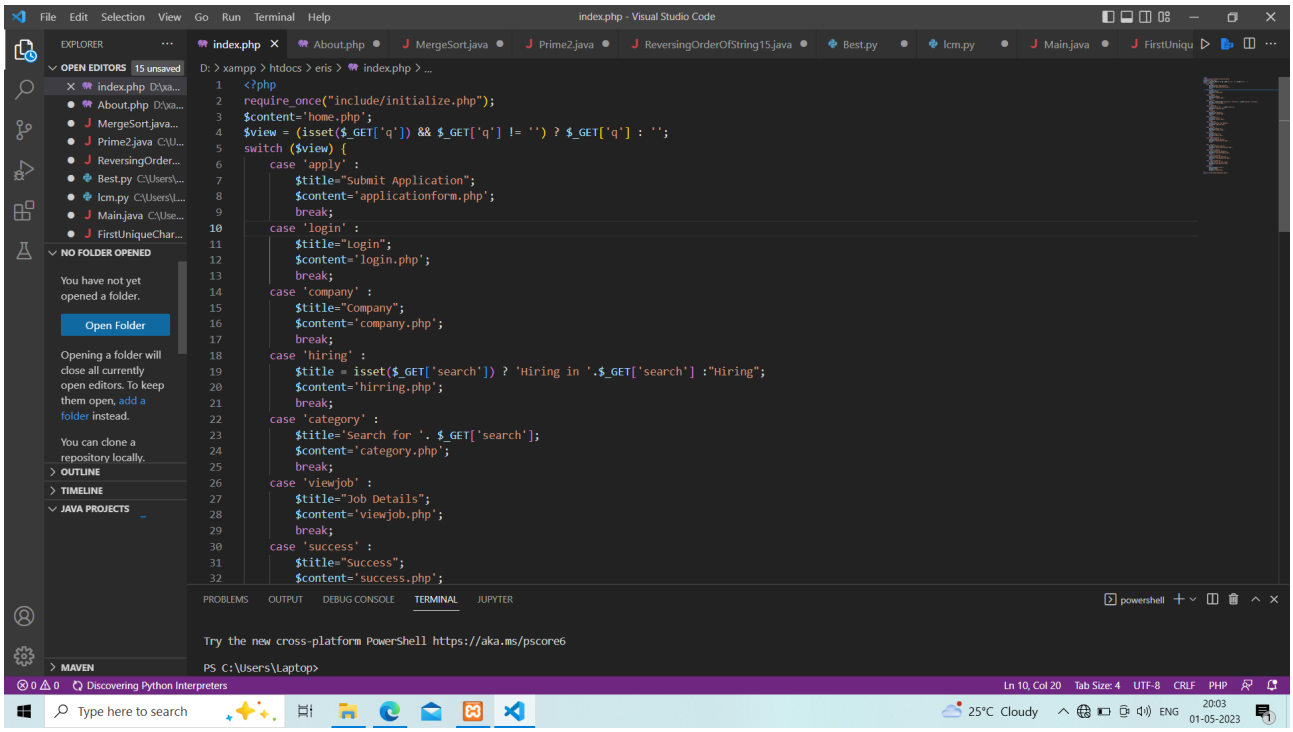
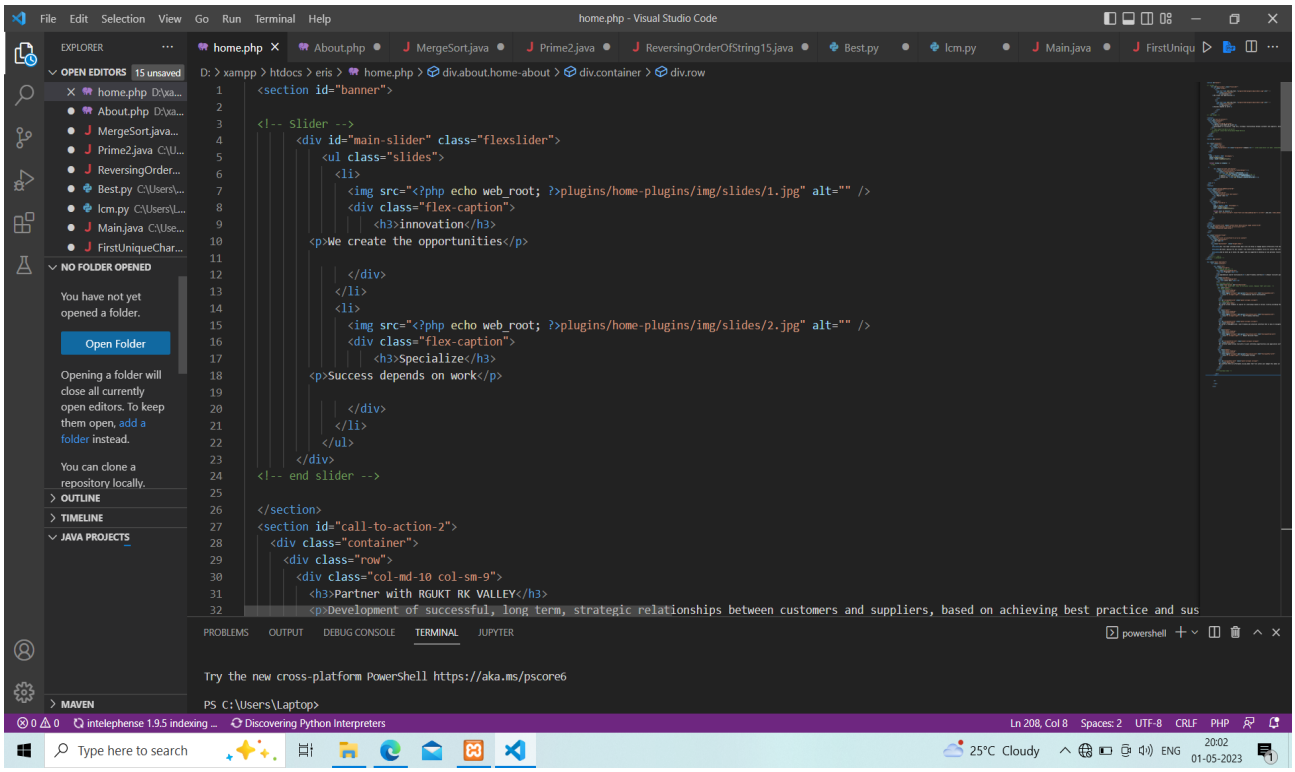


Fig:2.5.7 Sequence Diagram

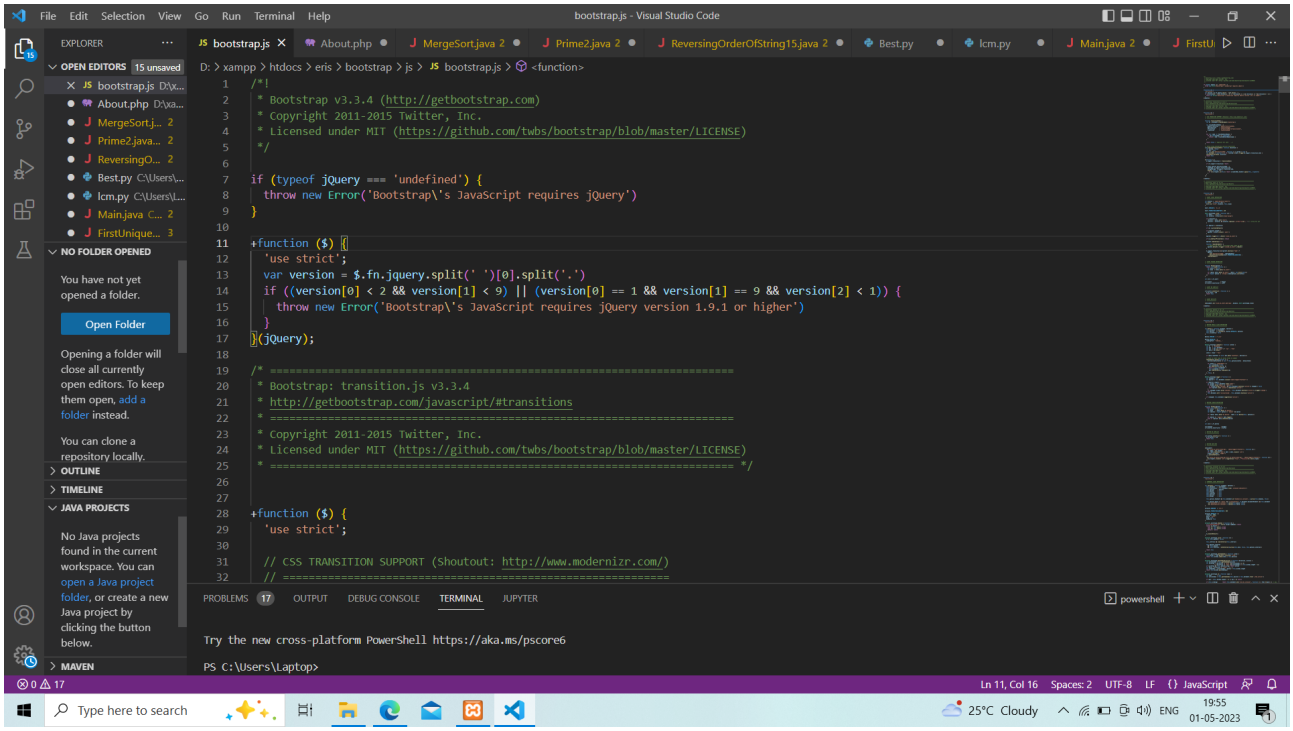
3.Coding:

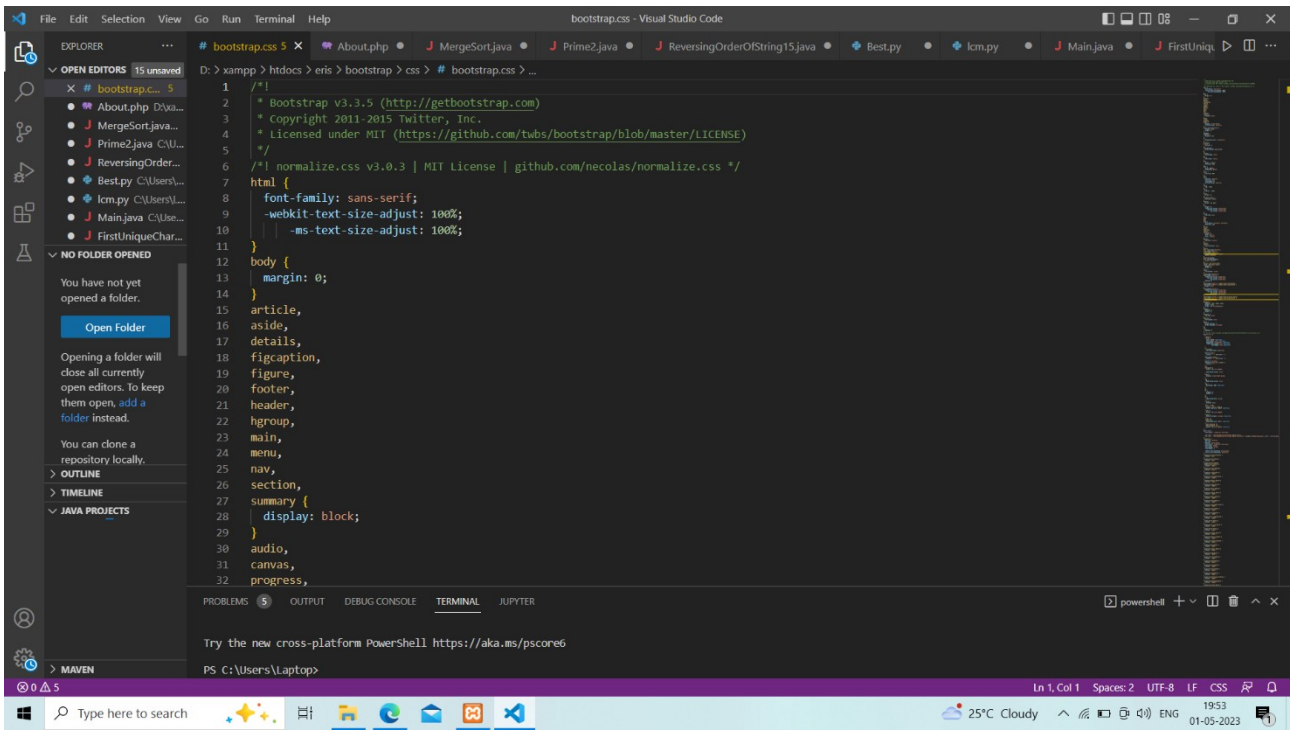


```php
<?php
require_once("include/initialize.php");
$content='home.php';
$view = (isset($_GET['q']) && $_GET['q'] != '') ? $_GET['q'] : '';
switch ($view) {
    case 'apply' :
        $title="Submit Application";
        $content='applicationform.php';
        break;
    case 'login' :
        $title="Login";
        $content='login.php';
        break;
    case 'company' :
        $title="Company";
        $content='company.php';
        break;
    case 'hiring' :
        $title = isset($_GET['search']) ? 'Hiring in '.$_GET['search'] :"Hiring";
        $content='hirring.php';
        break;
    case 'category' :
        $title='Search for '. $_GET['search'];
        $content='category.php';
        break;
    case 'viewjob' :
        $title="Job Details";
        $content='viewjob.php';
        break;
    case 'success' :
        $title="Success";
        $content='success.php';
```



```php
<section id="banner">

<!-- Slider -->
        <div id="main-slider" class="flexslider">
            <ul class="slides">
              <li>
                <img src="<?php echo web_root; ?>plugins/home-plugins/img/slides/1.jpg" alt="" />
                <div class="flex-caption">
                    <h3>innovation</h3>
            <p>We create the opportunities</p>

                </div>
              </li>
              <li>
                <img src="<?php echo web_root; ?>plugins/home-plugins/img/slides/2.jpg" alt="" />
                <div class="flex-caption">
                    <h3>Specialize</h3>
            <p>Success depends on work</p>

                </div>
              </li>
            </ul>
        </div>
    <!-- end slider -->

    </section>
    <section id="call-to-action-2">
      <div class="container">
        <div class="row">
          <div class="col-md-10 col-sm-9">
            <h3>Partner with RGUKT RK VALLEY</h3>
            <p>Development of successful, long term, strategic relationships between customers and suppliers, based on achieving best practice and sus
```


bootstrap.js - Visual Studio Code
bootstrap.js
About.php
MergeSort.java 2
Prime2.java 2
ReversingOrderOfString15.java 2
Best.py
lcm.py
Main.java 2
EXPLORER
OPEN EDITORS 15 unsaved
NO FOLDER OPENED
You have not yet opened a folder.
Open Folder
Opening a folder will close all currently open editors. To keep them open, add a folder instead.
You can clone a repository locally.
OUTLINE
TIMELINE
JAVA PROJECTS
No Java projects found in the current workspace. You can open a Java project folder, or create a new Java project by clicking the button below.
MAVEN
D: > xampp > htdocs > eris > bootstrap > js > bootstrap.js > <function>
/*!
* Bootstrap v3.3.4 (http://getbootstrap.com)
* Copyright 2011-2015 Twitter, Inc.
* Licensed under MIT (https://github.com/twbs/bootstrap/blob/master/LICENSE)
*/
if (typeof jQuery === 'undefined') {
throw new Error('Bootstrap\'s JavaScript requires jQuery')
}
+function ($) {
'use strict';
var version = $.fn.jquery.split(' ')[0].split('.')
if ((version[0] < 2 && version[1] < 9) || (version[0] == 1 && version[1] == 9 && version[2] < 1)) {
throw new Error('Bootstrap\'s JavaScript requires jQuery version 1.9.1 or higher')
}
}(jQuery);
/* ==
* Bootstrap: transition.js v3.3.4
* http://getbootstrap.com/javascript/#transitions
* ==
* Copyright 2011-2015 Twitter, Inc.
* Licensed under MIT (https://github.com/twbs/bootstrap/blob/master/LICENSE)
* == */
+function ($) {
'use strict';
// CSS TRANSITION SUPPORT (Shoutout: http://www.modernizr.com/)
PROBLEMS 17
OUTPUT
DEBUG CONSOLE
TERMINAL
JUPYTER
powershell
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\Laptop>
Ln 11, Col 16
Spaces: 2
UTF-8
LF
JavaScript
Type here to search
25°C Cloudy
ENG
19:55
01-05-2023


bootstrap.css - Visual Studio Code
bootstrap.css 5
About.php
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Prime2.java
ReversingOrderOfString15.java
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You can clone a repository locally.
OUTLINE
TIMELINE
JAVA PROJECTS
MAVEN
D: > xampp > htdocs > eris > bootstrap > css > bootstrap.css > ...
/*!
* Bootstrap v3.3.5 (http://getbootstrap.com)
* Copyright 2011-2015 Twitter, Inc.
* Licensed under MIT (https://github.com/twbs/bootstrap/blob/master/LICENSE)
*/
/*! normalize.css v3.0.3 | MIT License | github.com/necolas/normalize.css */
html {
font-family: sans-serif;
-webkit-text-size-adjust: 100%;
-ms-text-size-adjust: 100%;
}
body {
margin: 0;
}
article,
aside,
details,
figcaption,
figure,
footer,
header,
hgroup,
main,
menu,
nav,
section,
summary {
display: block;
}
audio,
canvas,
progress,
PROBLEMS 5
OUTPUT
DEBUG CONSOLE
TERMINAL
JUPYTER
powershell
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\Laptop>
Ln 1, Col 1
Spaces: 2
UTF-8
LF
CSS
Type here to search
25°C Cloudy
ENG
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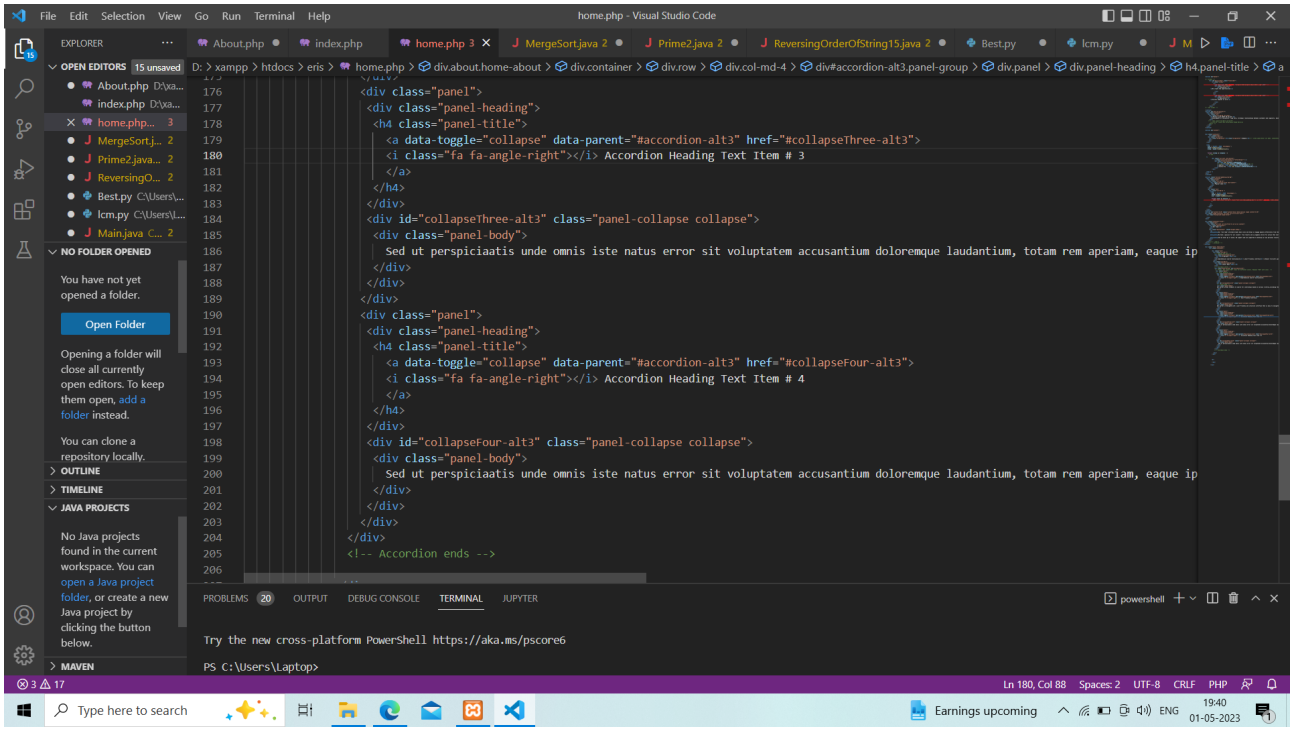
01-05-2023


File Edit Selection View Go Run Terminal Help
home.php - Visual Studio Code
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You have not yet opened a folder.
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TIMELINE
JAVA PROJECTS
No Java projects found in the current workspace. You can open a Java project folder, or create a new Java project by clicking the button below.
MAVEN

<h4 class="panel-title">
<a data-toggle="collapse" data-parent="#accordion-alt3" href="#collapseThree-alt3">
 Accordion Heading Text Item # 3

</h4>

Sed ut perspiciaatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ip

<h4 class="panel-title">
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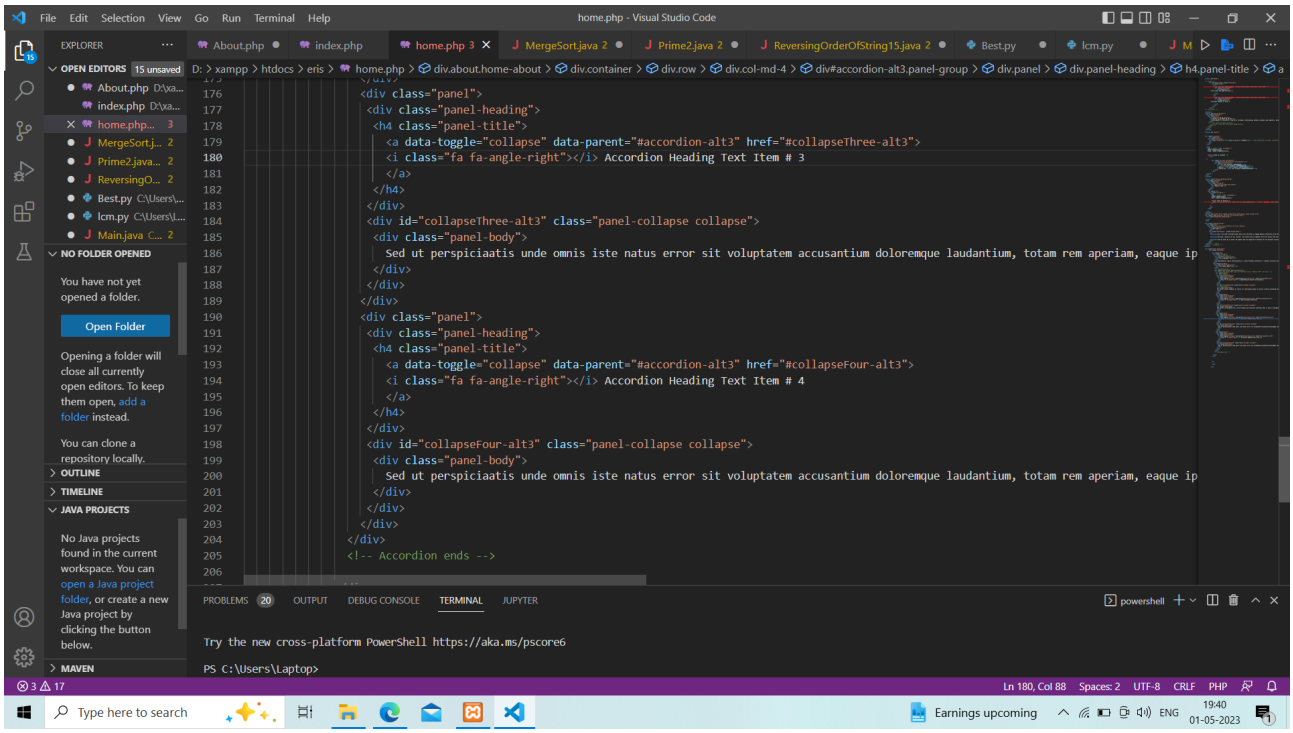
 Accordion Heading Text Item # 4

</h4>

Sed ut perspiciaatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ip

<!-- Accordion ends -->
PROBLEMS 20
OUTPUT
DEBUG CONSOLE
TERMINAL
JUPYTER
powershell
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\Laptop>
Ln 180, Col 88 Spaces: 2 UTF-8 CRLF PHP
Type here to search
Earnings upcoming
ENG
19:40
01-05-2023


File Edit Selection View Go Run Terminal Help
home.php - Visual Studio Code
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index.php
home.php 3
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MAVEN

<h4 class="panel-title">
<a data-toggle="collapse" data-parent="#accordion-alt3" href="#collapseThree-alt3">
 Accordion Heading Text Item # 3

</h4>

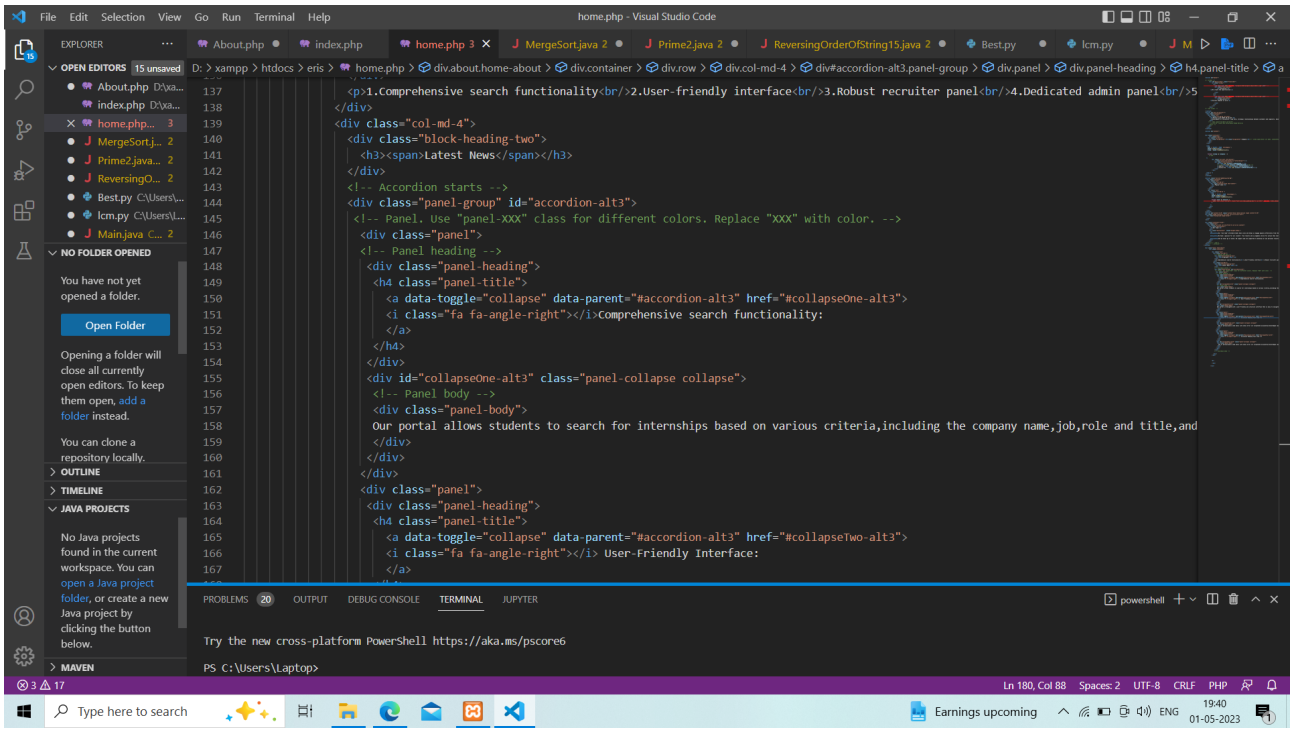
Sed ut perspiciaatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ip

<h4 class="panel-title">
<a data-toggle="collapse" data-parent="#accordion-alt3" href="#collapseFour-alt3">
 Accordion Heading Text Item # 4

</h4>

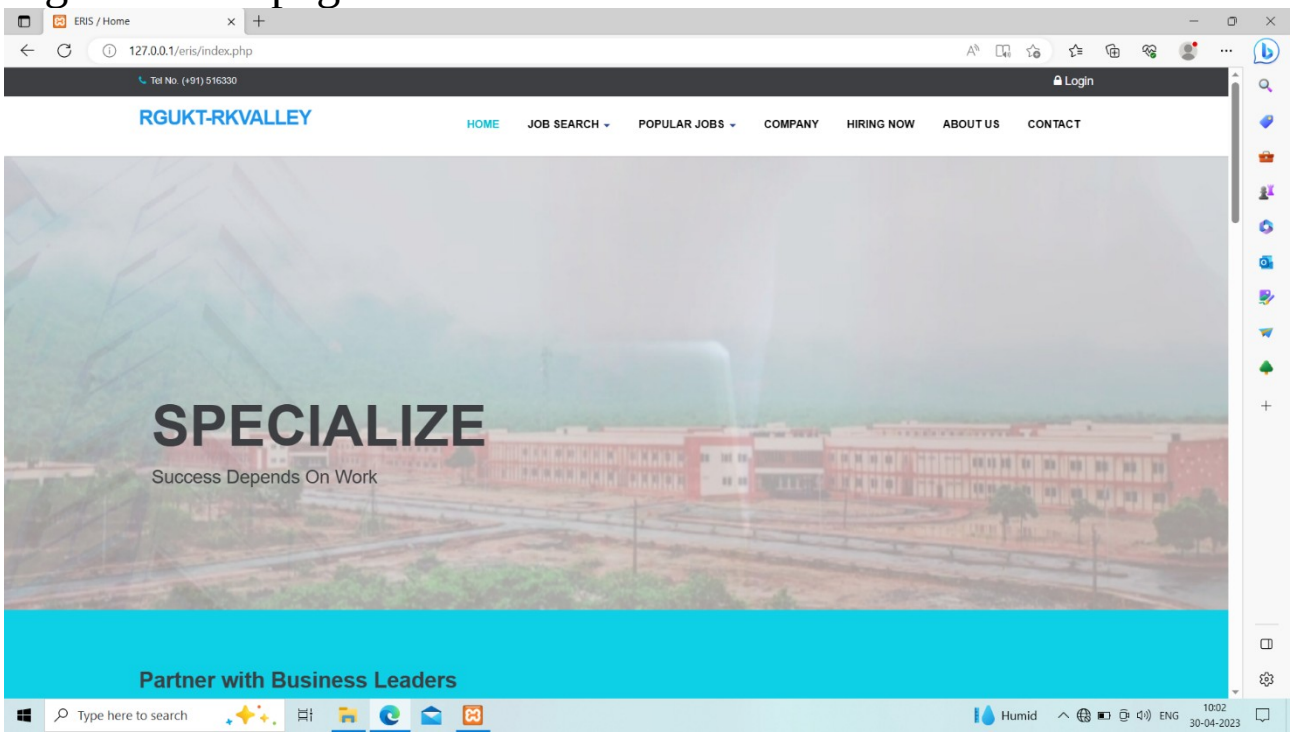
Sed ut perspiciaatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ip

<!-- Accordion ends -->
PROBLEMS 20
OUTPUT
DEBUG CONSOLE
TERMINAL
JUPYTER
powershell
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\Laptop>
Ln 180, Col 88 Spaces: 2 UTF-8 CRLF PHP
Type here to search
Earnings upcoming
ENG
19:40
01-05-2023



4.Testing

Fig:4.1Home page of our Website



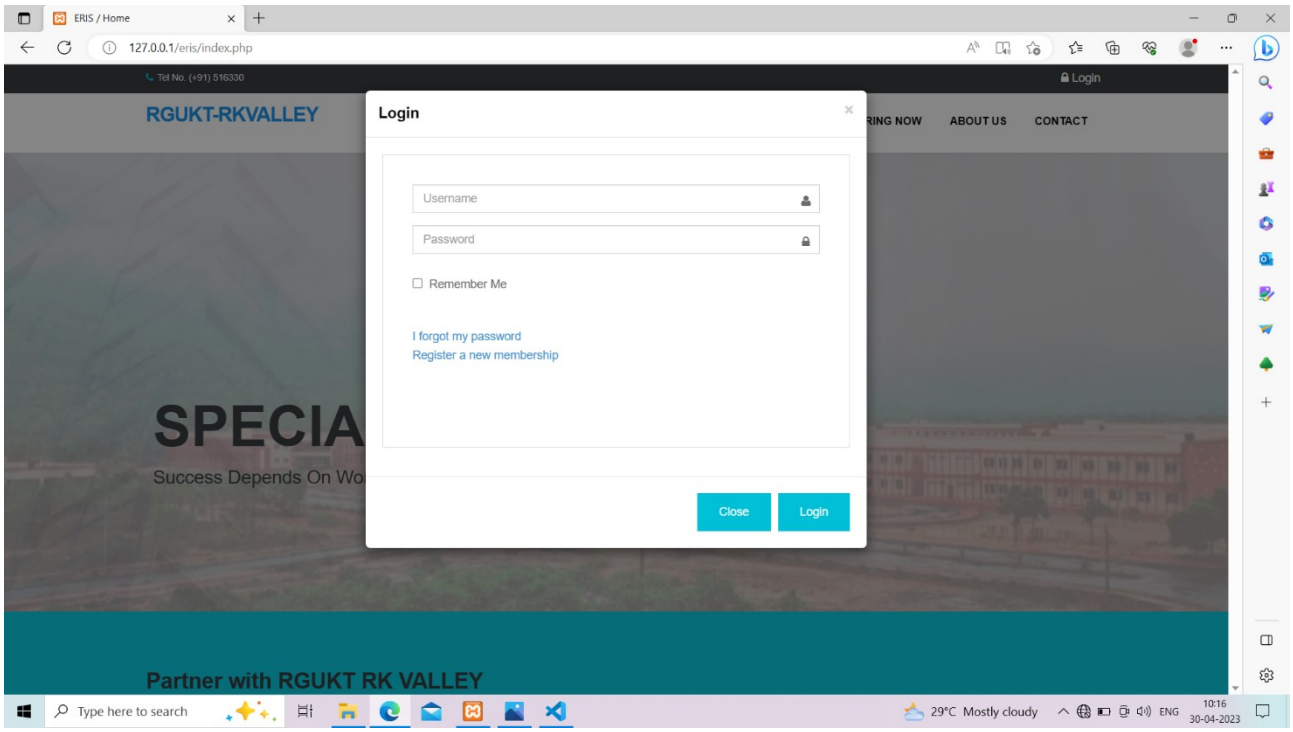


Fig:4.2 Login page

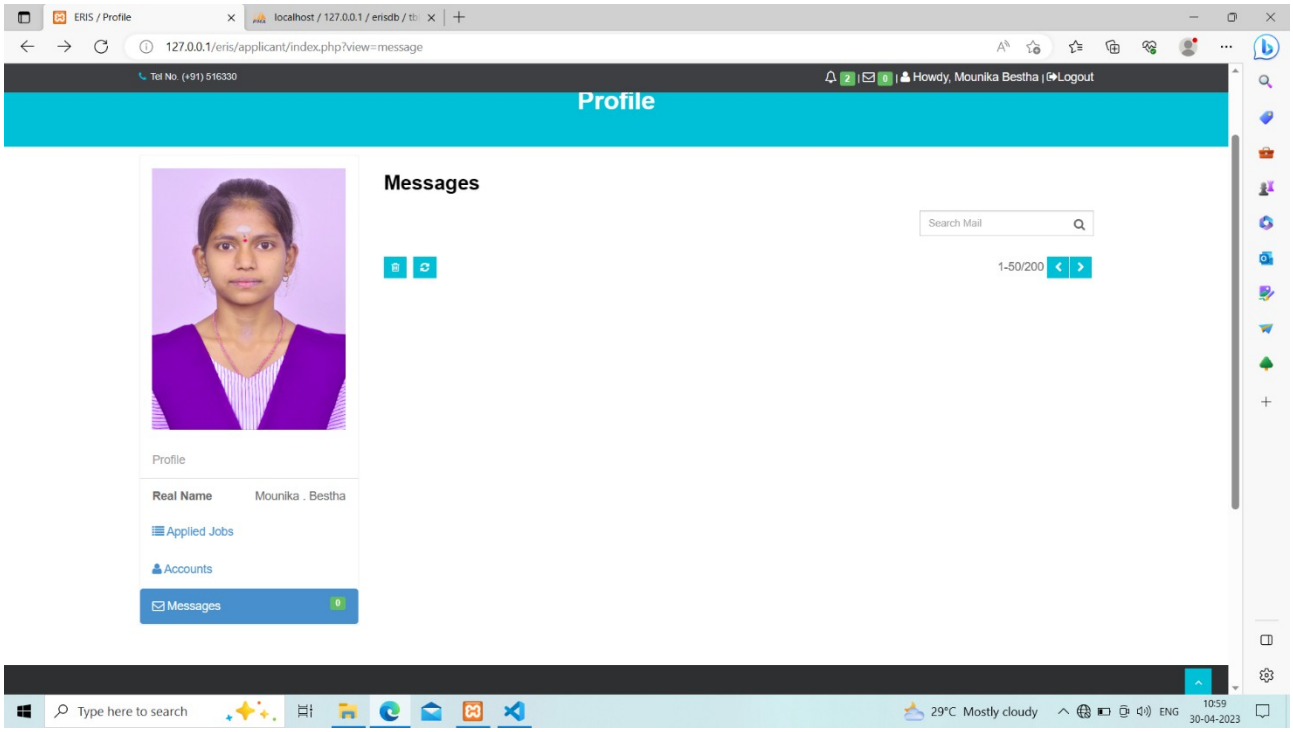


Fig:4.3Student Dashboard

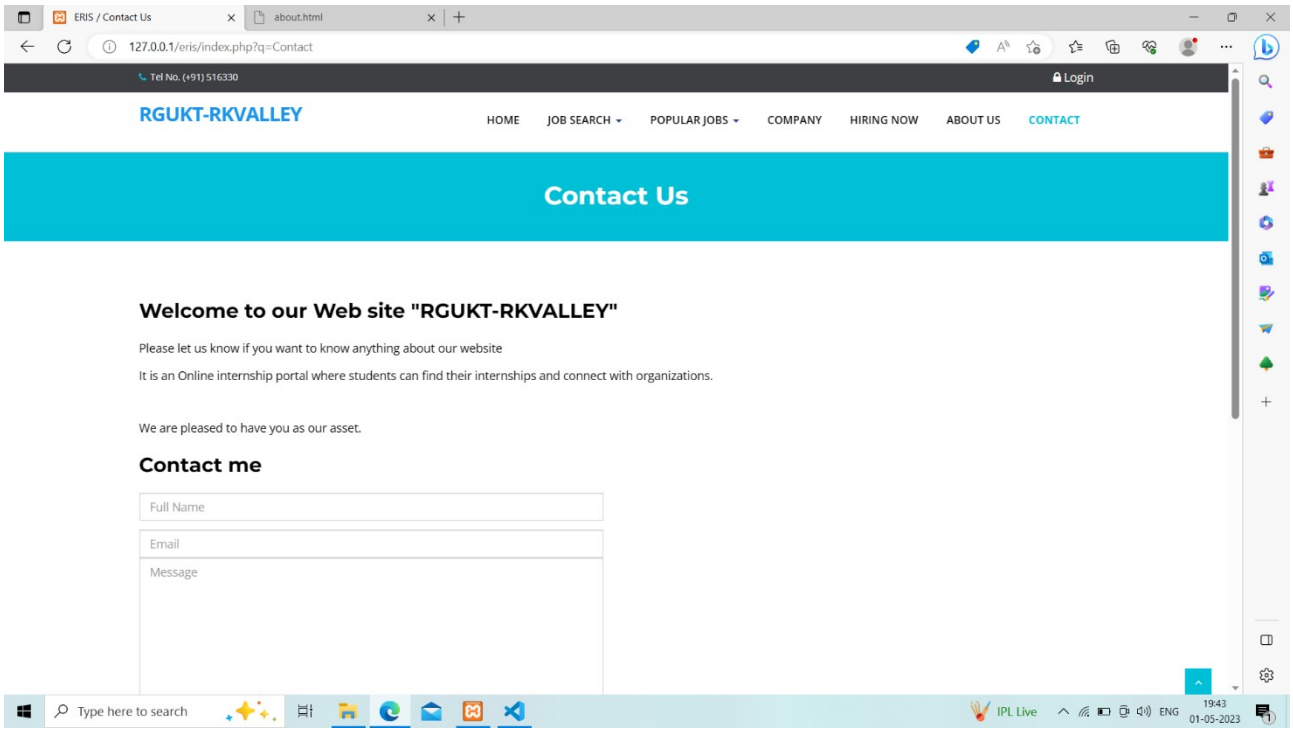


Fig:4.4 Contact us page

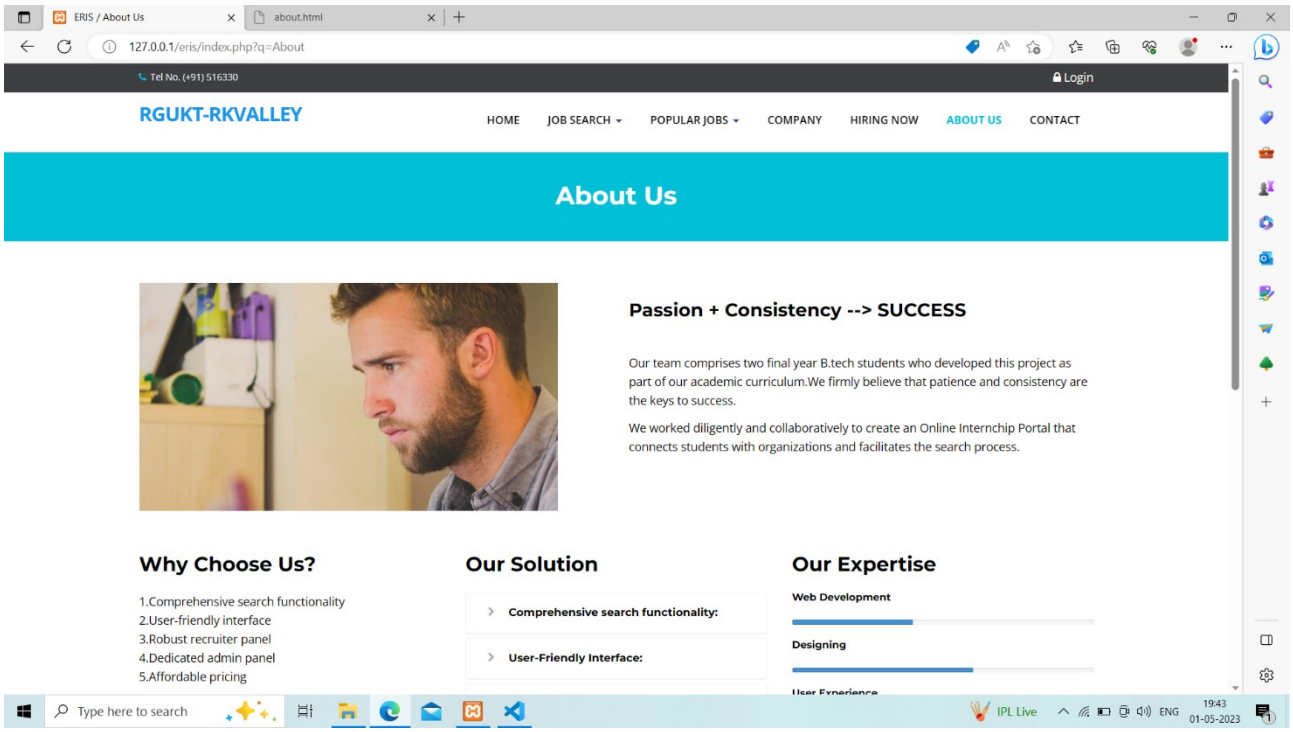


Fig: 4.5About Us Page

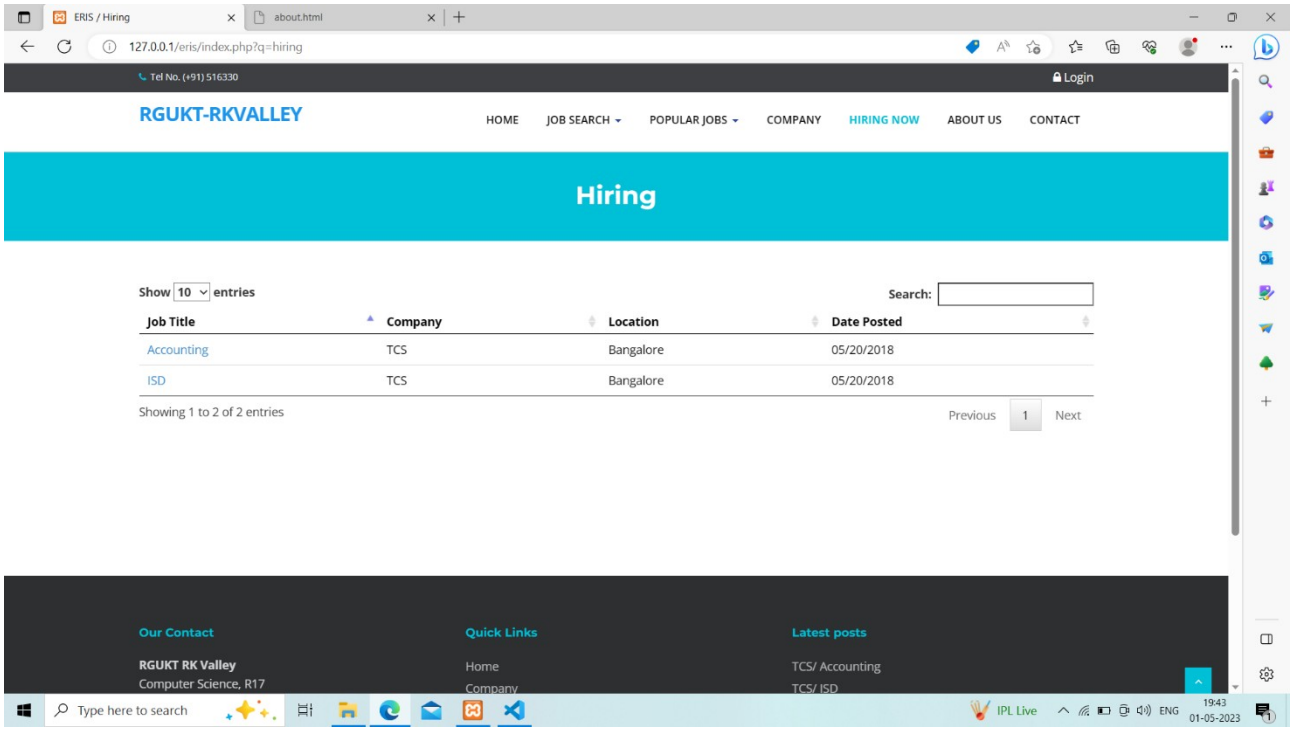


Fig:4.6 Hiring page

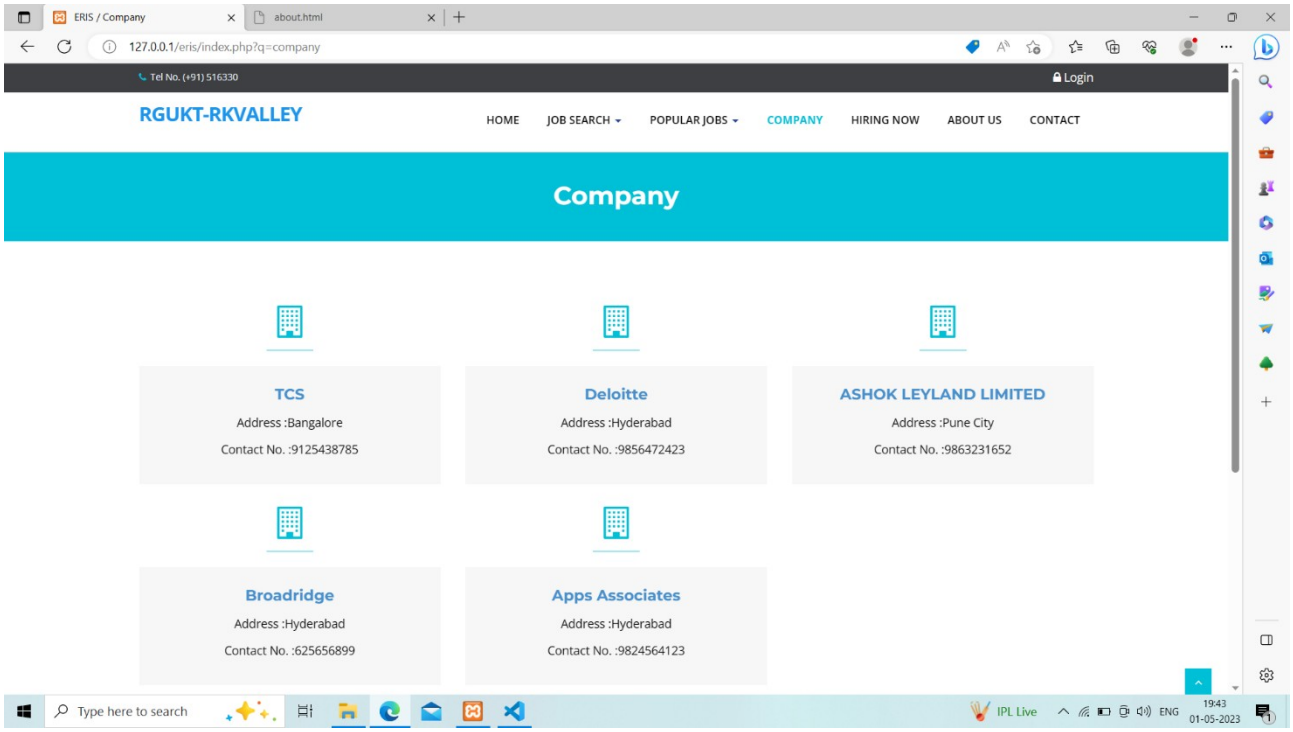


Fig:4.7 Company Page

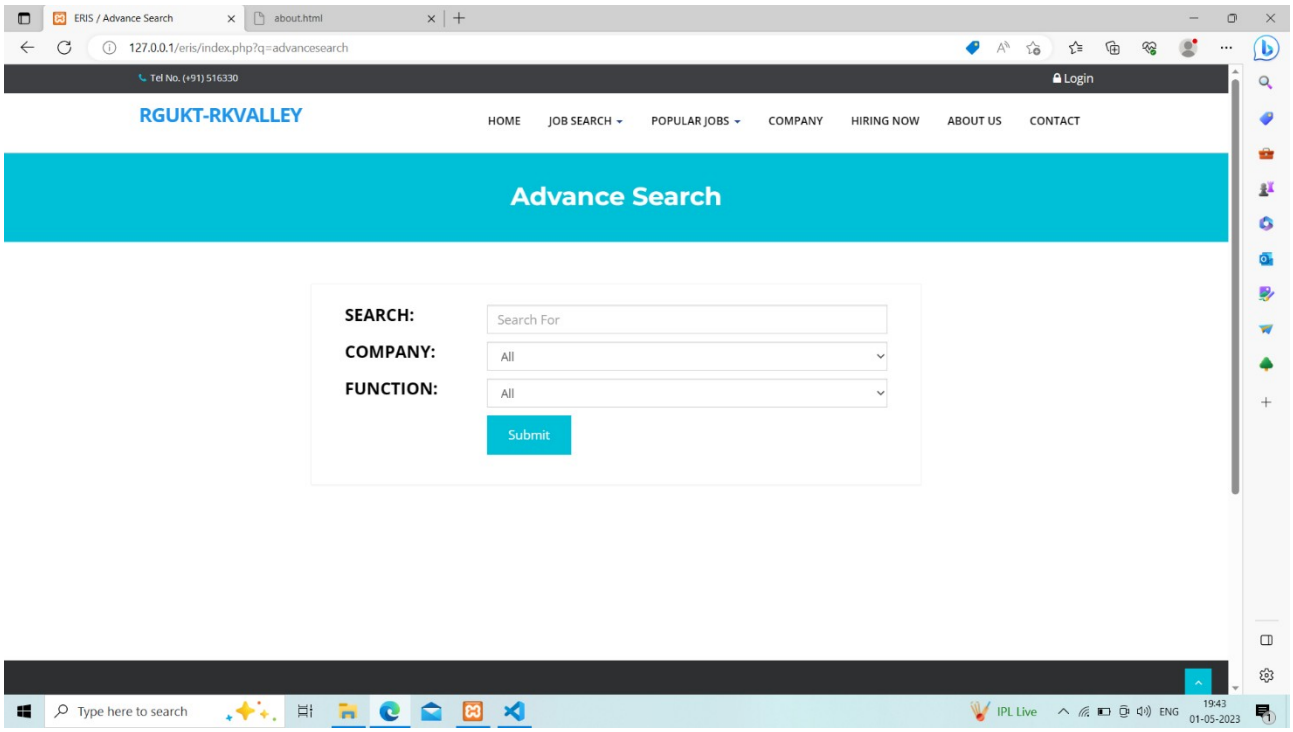


Fig: 4.8 Search page

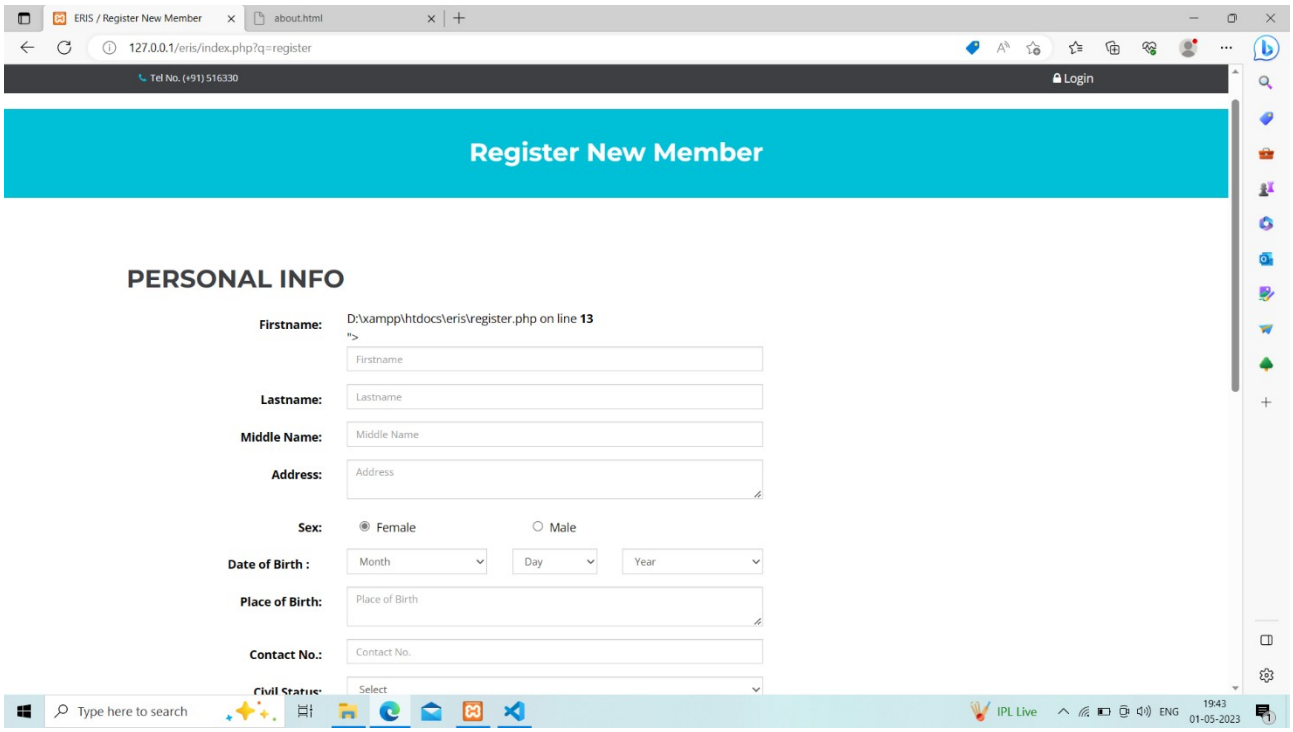


Fig:4.9 Student Registration Page

5.Future Scope:

The Online Internship Portal is a comprehensive system that fulfils the needs of both students and recruiters. However, there is always room for improvement and expansion. Here are some future scope and enhancements that can be made to the project:

1. Social media integration: Integrating social media platforms like LinkedIn, Twitter, and Facebook can provide more exposure and reach to the portal, making it easier for students and recruiters to find each other.
2. Machine learning-based recommendation system: Implementing a machine learning-based recommendation system can suggest relevant internships to students based on their search history, interests, and skills.
3. Mobile application: Developing a mobile application version of the portal can make it more accessible and convenient for users to access the platform on the go.
4. Enhanced communication features: Adding features like video conferencing, chat, and messaging can improve communication between students and recruiters.
5. Analytics and reporting: Implementing analytics and reporting features can provide

6.Conclusion

Overcoming traditional methods of recruiting intern has bought a revolutionary change in the world of interviews and recruitment. While this application aims in giving a user- friendly experience to the users with a simple but logical front-end it has achieved so at its completion. This application also achieves certain functional capabilities with the latest technology stack used in the industries today. The testing results shows that the application is scalable and can handle decent load. Also, this application does not have any geographical constraints as anyone from any part of the world can get registered to the application and search for jobs or post jobs.

Developing this project with a primary goal of learning new technologies, we have got immense exposure in understanding technologies like HTML and PHP not only at the implementation level but also in understanding the background of such technologies. Some of the major challenges faced was in understanding the call back/promise concepts and implementing them in the application. To debug, test and run the application I have encountered many cutting-edge technologies and learnt about them. This invariably have enhanced my hands on knowledge with a broad spectrum of technologies which would come handy once we start facing the industry after our graduation.

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