



School of Computer And Information Sciences,
INDIRA GANDHI NATIONAL OPEN UNIVERSITY (IGNOU),
New Delhi

Study Centre
Surat

PROJECT REPORT (MCSP-232)

ONLINE JOB PORTAL

In partial fulfillment of the requirement for the degree
of
MASTER OF COMPUTER APPLICATIONS (MCA)

BY
GOPAL SHARMA
Enrolment No. 2105862556
[Year of Submission : 2024]

Under the Supervision of
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(Note: All entries of the proforma of approval should be filled up with appropriate and complete information.
Incomplete proforma of approval in any respect will be summarily rejected.)

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(**Note: At any given point of time, a guide should not provide guidance for more than 5 MCA students of IGNOU)

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7. Is this your first submission?

Yes

No

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Suggestions for reformulating the Project:

Show data flow/labels in DFD

Discuss SRS in detail

Ensure that you include the following while submitting the Project Proposal:

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AR (B)	✓
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Gujarat Technological University

certify that

MEGHANI MEHULKUMAR GIRISHKUMAR



enrollment No. 115040693084 of

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*has been examined for the degree of Master in Computer Applications
and adjudged to have passed with
Cumulative Grade Point Average (C.G.P.A.) of 6.98.*

*The degree of
Master in Computer Applications
MCA*

*has been conferred on him / her at Ahmedabad,
in the Republic of India
on twentieth day of July two thousand seventeen
In testimony whereof are set the seal of the University
and signature of the Chancellor.*

BbWWSx2RtoSx



Sr. No. 2017MC07704

Meghani
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Chancellor

X. CERTIFICATE OF ORIGINALITY

This is to certify that the project report entitled ONLINE JOB PORTAL

submitted to **Indira Gandhi National Open University** in partial fulfilment of the requirement for the award of the degree of **MASTER OF COMPUTER APPLICATIONS**, is an authentic and original work carried out by Mr. / Ms. GOPAL SHARMA with enrolment no. 2105862556 under my guidance.

The matter embodied in this project is genuine work done by the student and has not been submitted whether to this University or to any other University / Institute for the fulfilment of the requirements of any course of study.

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Chapter 1: Project Introduction

The development of a job portal service aims to revolutionize the process of job seeking and recruitment by providing an interactive platform for both candidates and companies. This web application facilitates seamless updates from job seekers and employers, effectively managing client and candidate information and aligning them with job requirements and vacancies. Through online access, detailed job listings are provided, empowering registered employers to publish vacancy details and search for suitable candidates based on key skills.

✓ Project Objectives:

The primary objective of this project is to develop an online search portal for both job providers and jobseekers, serving as an accessible platform for information related to jobs and candidates availability. Students can upload their CVs, while visitors and company representatives can access and search for relevant student information. The project is designed with a distributed architecture, utilizing centralized database storage and ASP.Net Core technologies for user interface design. The application ensures database connectivity through SQL Server and implements robust security measures to safeguard data. Additionally, it encompasses various modules and associated reports, adhering to applicable strategies and standards mandated by administrative staff.

✓ Identification of Need:

In today's competitive job market, the search for suitable employment opportunities can be daunting, especially in specialized fields. The development of this job portal addresses the need for a simple and effective solution for job seekers to navigate the job search process. By providing a user-friendly platform, job seekers can easily submit their resumes and gain access to a multitude of job opportunities tailored to their profiles. Additionally, this portal serves as a valuable resource for companies and employers, enabling them to discover well-profiled resumes that match their hiring requirements. Thus, the job portal acts as a bridge between job seekers and employers, facilitating seamless connections in the job market.

Chapter 2: Environment Description

2.1 Hardware/Software Requirement

2.2 Tools & Technology

2.1 Hardware/Software

The efficient hardware & software configuration required to run the system is as suggested below. The configuration suggested is adequate. Higher Configuration is always better.

Hardware Requirements:

Processor	: Intel Pentium IV or above
Ram	: 1 GB RAM
Hard Drive	: 50 GB HDD
Input Device	: Keyboard, Mouse
Output Device	: Monitor

Software Requirements:

Operating System	: Windows 10 or higher
Browser	: Microsoft Edge / Google Chrome / Mozilla Safari
IDE	: Visual Studio 2019
Database	: Microsoft SQL Server
Web Server	: IIS (Internet Information Services)
Other Tools	: Git, Github

2.2 Tools & Technology

Asp.Net Core MVC

- 1) Presentation Layer
 - a) HTML
 - b) CSS
 - c) Bootstrap
 - d) JavaScript
 - e) jQuery
 - f) Razor Pages
 - g) AJAX
- 2) Business Logic Layer
 - a) ASP.NET CORE MVC (Model-View-Controller)
 - b) C#
- 3) Database Layer
 - a) Entity Framework Core
 - b) MS SQL
 - c) Linq

HTML

HTML is an acronym which stands for Hyper Text Markup Language which is used for creating web pages and web applications. Let's see what is meant by Hypertext Markup Language, and Web page.

Hyper Text: Hypertext simply means "Text within Text." A text has a link within it, is a hypertext. Whenever you click on a link which brings you to a new webpage, you have clicked on a hypertext. Hypertext is a way to link two or more web pages (HTML documents) with each other.

Markup language: A markup language is a computer language that is used to apply layout and formatting conventions to a text document. Markup language makes text more interactive and dynamic. It can turn text into images, tables, links, etc.

Web Page: A web page is a document which is commonly written in HTML and translated by a web browser. A web page can be identified by entering an URL. A Web page can be of the static or dynamic type. With the help of HTML only, we can create static web pages.

CSS

Cascading Style Sheets, fondly referred to as CSS, is a simply designed language intended to simplify the process of making web pages presentable. CSS allows you to apply styles to web pages. More importantly, CSS enables you to do this independent of the HTML that makes up each web page. It describes how a webpage should look: it prescribes colors, fonts, spacing, and much more. In short, you can make your website look however you want. CSS lets developers and designers define how it behaves, including how elements are positioned in the browser.

While html uses tags, css uses rulesets. CSS is easy to learn and understand, but it provides powerful control over the presentation of an HTML document.

CSS saves time: You can write CSS once and reuse the same sheet in multiple HTML pages.

Easy Maintenance: To make a global change simply change the style, and all elements in all the webpages will be updated automatically.

Search Engines: CSS is considered a clean coding technique, which means search engines won't have to struggle to "read" its content.

Superior styles to HTML: CSS has a much wider array of attributes than HTML, so you can give a far better look to your HTML page in comparison to HTML attributes.

Offline Browsing: CSS can store web applications locally with the help of an offline cache. Using this we can view offline websites.

BOOTSTRAP

Bootstrap is a free and open-source tool collection for creating responsive websites and web applications. It is the most popular HTML, CSS, and JavaScript framework for developing responsive, mobile-first websites. It solves many problems which we had once, one of which is the cross-browser compatibility issue. Nowadays, the websites are perfect for all the browsers (IE, Firefox, and Chrome) and for all sizes of screens (Desktop, Tablets, Phablets, and Phones). All thanks to Bootstrap developers -Mark Otto and Jacob Thornton of Twitter, though it was later declared to be an open-source project. Bootstrap has evolved many versions and every time when we want to use this framework, we can select the version which we want to use.

JAVASCRIPT

JavaScript is a lightweight, cross-platform, and interpreted compiled programming language which is also known as the scripting language for webpages. It is well-known for the development of web pages; many non-browser environments also use it. JavaScript can be used for Client-side developments as well as Server-side developments. JavaScript is both

imperative and declarative type of language. JavaScript contains a standard library of objects, like Array, Date, and Math, and a core set of language elements like operators, control structures, and statements.

Client-side: It supplies objects to control a browser and its Document Object Model (DOM). Like if client-side extensions allow an application to place elements on an HTML form and respond to user events such as mouse clicks, form input, and page navigation. Useful libraries for the client-side are AngularJS, ReactJS, VueJS and so many others.

Server-side: It supplies objects relevant to running JavaScript on a server. Like if the server-side extensions allow an application to communicate with a database, and provide continuity of information from one invocation to another of the application, or perform file manipulations on a server. The useful framework which is the most famous these days is node.js.

Imperative language – In this type of language we are mostly concerned about how it is to be done. It simply controls the flow of computation. The procedural programming approach, object, oriented approach comes under this like async await we are thinking what it is to be done further after async call.

Declarative programming – In this type of language we are concerned about how it is to be done, basically here logical computation required. Here main goal is to describe the desired result without direct dictation on how to get it like arrow function do.

JavaScript can be added to your HTML file in two ways:

Internal JS: We can add JavaScript directly to our HTML file by writing the code inside the <script> tag. The <script> tag can either be placed inside the <head> or the <body> tag according to the requirement.

External JS: We can write JavaScript code in other file having an extension.js and then link this file inside the <head> tag of the HTML file in which we want to add this code.

JQUERY

jQuery is a lightweight, "write less, do more", JavaScript library. The purpose of jQuery is to make it much easier to use JavaScript on your website. jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code. jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation. The jQuery library contains the following features:

- HTML/DOM manipulation
- CSS manipulation
- HTML event methods
- Effects and animations
- AJAX
- Utilities

Razor

Introduced as part of ASP.NET Core, and now included in .NET 5, ASP.NET Razor Pages is a server-side, page-focused framework that enables building dynamic, data-driven web sites with clean separation of concerns. Part of the ASP.NET Core web development framework from Microsoft, Razor Pages supports cross platform development and can be deployed to Windows, Unix and Mac operating systems.

The Razor Pages framework is lightweight and very flexible. It provides the developer with full control over rendered HTML. Razor Pages is the recommended framework for cross-platform server-side HTML generation. Razor Pages makes use of the popular C# programming language for server-side programming, and the easy-to-learn Razor templating syntax for embedding C# in HTML mark-up to generate content for browsers dynamically.

Architecturally, Razor Pages is an implementation of the MVC pattern and encourages separation of concerns.

ASP.NET

ASP.NET is a web development platform, which provides a programming model, a comprehensive software infrastructure and various services required to build up robust web applications for PC, as well as mobile devices.

ASP.NET works on top of the HTTP protocol, and uses the HTTP commands and policies to set a browser-to-server bilateral communication and cooperation.

ASP.NET is a part of Microsoft .Net platform. ASP.NET applications are compiled codes, written using the extensible and reusable components or objects present in .Net framework. These codes can use the entire hierarchy of classes in .Net framework.

The ASP.NET application codes can be written in any of the following languages:

- C#
- Visual Basic.Net
- Jscript
- J#

ASP.NET is used to produce interactive, data-driven web applications over the internet. It consists of a large number of controls such as text boxes, buttons, and labels for assembling, configuring, and manipulating code to create HTML pages.

Components and their Description

- 1) **Common Language Runtime or CLR:** It performs memory management, exception handling, debugging, security checking, thread execution, code execution, code safety, verification, and compilation. The code that is

directly managed by the CLR is called the managed code. When the managed code is compiled, the compiler converts the source code into a CPU independent intermediate language (IL) code. A Just In Time(JIT) compiler compiles the IL code into native code, which is CPU specific.

- 2) **Net Framework Class Library:** It contains a huge library of reusable types, classes, interfaces, structures, and enumerated values, which are collectively called types.
- 3) **Common Language Specification:** It contains the specifications for the .Net supported languages and implementation of language integration.
- 4) **Common Type System:** It provides guidelines for declaring, using, and managing types at runtime, and cross-language communication.
- 5) **Metadata and Assemblies:** Metadata is the binary information describing the program, which is either stored in a portable executable file (PE) or in the memory. Assembly is a logical unit consisting of the assembly manifest, type metadata, IL code, and a set of resources like image files.
- 6) **Windows Forms:** Windows Forms contain the graphical representation of any window displayed in the application.
- 7) **ASP.NET and ASP.NET AJAX:** ASP.NET is the web development model and AJAX is an extension of ASP.NET for developing and implementing AJAX functionality. ASP.NET AJAX contains the components that allow the developer to update data on a website without a complete reload of the page.
- 8) **ADO.NET:** It is the technology used for working with data and databases. It provides access to data sources like SQL server, OLE DB, XML etc. The ADO.NET allows connection to data sources for retrieving, manipulating, and updating data.

- 9) **Windows Workflow Foundation (WF):** It helps in building workflow-based applications in Windows. It contains activities, workflow runtime, workflow designer, and a rules engine.
- 10) **Windows Presentation Foundation:** It provides a separation between the user interface and the business logic. It helps in developing visually stunning interfaces using documents, media, two- and three-dimensional graphics, animations, and more.
- 11) **Windows Communication Foundation (WCF):** It is the technology used for building and executing connected systems.
- 12) **Windows CardSpace:** It provides safety for accessing resources and sharing personal information on the internet.
- 13) **LINQ:** It imparts data querying capabilities to .Net languages using a syntax which is similar to the tradition query language SQL.

ASP.NET MVC

Model-View-Controller (MVC) is a framework for developing applications which have become so popular these days. Gone are the days when developers would go for ASP.NET to create applications from scratch. MVC is a Model Controller View Pattern and using it in ASP.NET is why we term it as ASP.NET MVC.

The basic need of introducing MVC was to make complex application development easy. MVC is a lightweight highly testable framework as compared to traditional ASP.NET Web Forms. MVC focusses on Separation of Concerns. The purpose of MVC is to separate the content from the presentation and data processing from content. One thing that MVC has done is to separate the view from the code i.e., unlike Web Forms where “*.aspx” is attached to “*.aspx.cs” here in MVC View is a separate entity entirely.

ASP.NET MVC is stateless. In this we do not pass requests to the page like Web Forms. But we talk to the controller. And controller handles the

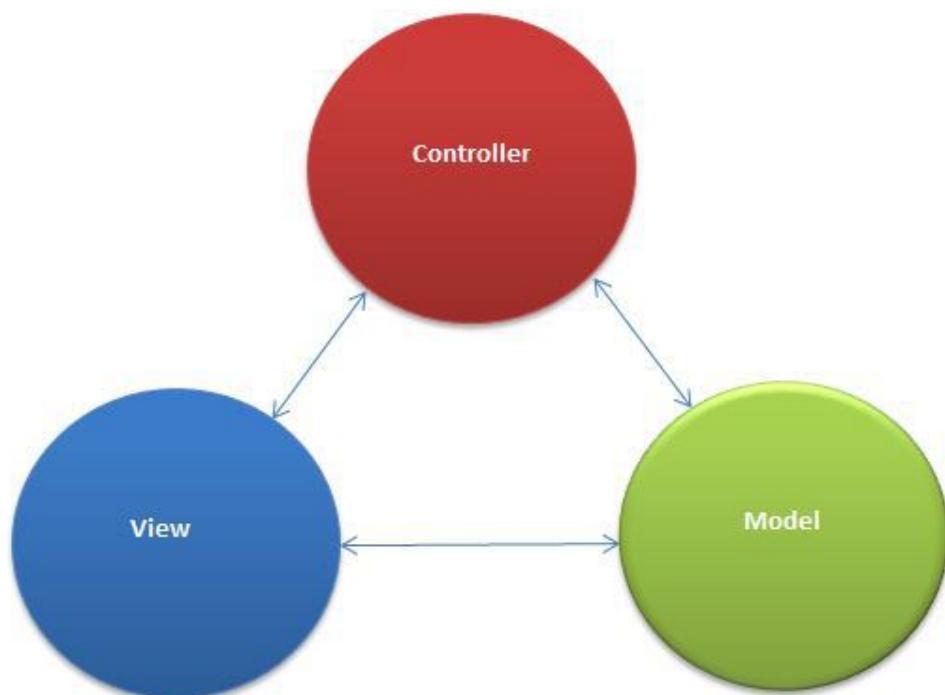
request and fetches the desired data from the model and transfers the data to the view. And this View is used to display the data to the end user.

There are three basic components in ASP.NET MVC:

- Model
- View
- Controller
- Model

This is the business layer. It helps retrieve data from the database. These are simple class files that contain the properties.

- 1) **View:** This component is responsible for displaying data on the screen. In MVC we use Razor Syntax. The extension of the view has “*.cshtml” instead of “*.aspx” which we have used in ASP.NET in the past.
- 2) **Controller:** It handles input control. All the user interaction is done through Controller. A Controller is nothing but a class file that contains the methods.



ASP.NET MVC URL Structure

MVC helps to maintain a pretty good URL that is readable to the user. In MVC the URL has specific meaning which we will understand now. The following is the structure that explains how

`http://www.sitename.com/ControllerName/ActionName/Id` URLs are in MVC.

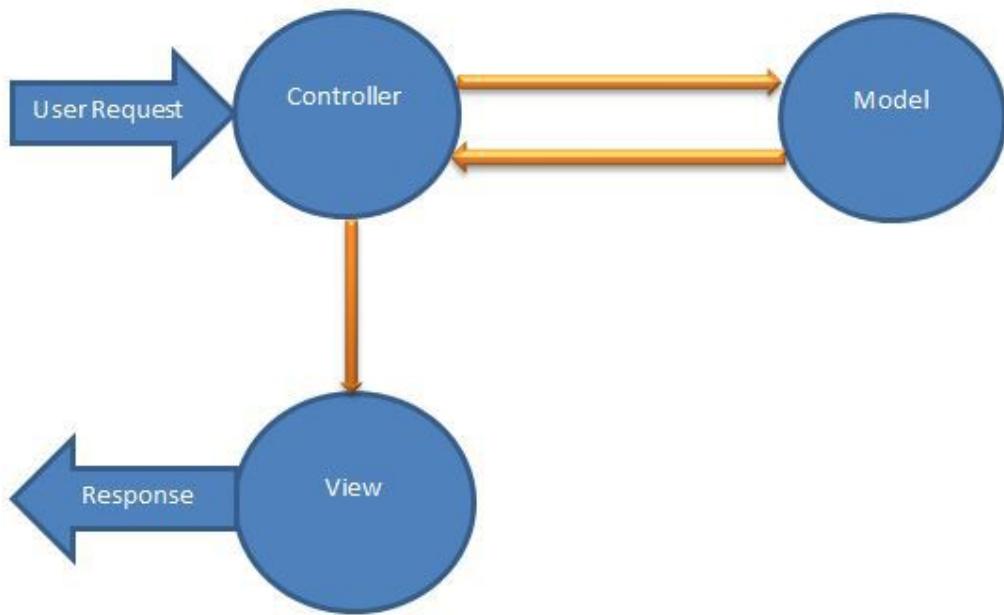
Controller Name is passed after the site name followed by the Action Name present in the controller. And if there is an Id we have to specify the Id as well, though it is optional.

So what this `http://www.dummywebsite.com/Products/View/1` URL would be like in some application let us check now.

In the preceding URL “Products” is the controller and View is the name of the ActionResult method that accepts an ID that has a value “1” passed in the URL. We will understand URL routing in detail in the later posts. Here I just want to brief about the URL convention that ASP.NET MVC follows.

Comparing the `http://www.dummiesite.com/Products.aspx?id=1` URL to the traditional Web Forms had it been made in the older version would be something like it.

Clearly we can see ASP.NET MVC URLs are much more user friendly. Microsoft has released many versions of ASP.NET MVC of which MVC 6 is the latest one. Some or the other features have been introduced in the subsequent versions of this framework.



How MVC works

The request goes to controller. Controller fetches the data from the model and passes this data to the View. The view displays the data to the end user.

This is the basic flow of ASP.NET MVC. In further tutorials we will study each component of MVC in depth and their functions.

C#

C# is a programming language of .Net Framework. C# is pronounced as "C-Sharp". It is an object-oriented programming language provided by Microsoft that runs on .Net Framework.

By the help of C# programming language, we can develop different types of secured and robust applications:

- Window applications
- Web applications
- Distributed applications
- Web service applications

- Database applications etc.

C# is approved as a standard by ECMA and ISO. C# is designed for CLI (Common Language Infrastructure). CLI is a specification that describes executable code and runtime environment.

C# programming language is influenced by C++, Java, Eiffel, Modula-3, Pascal etc. languages.

ENTITY FRAMEWORK CORE

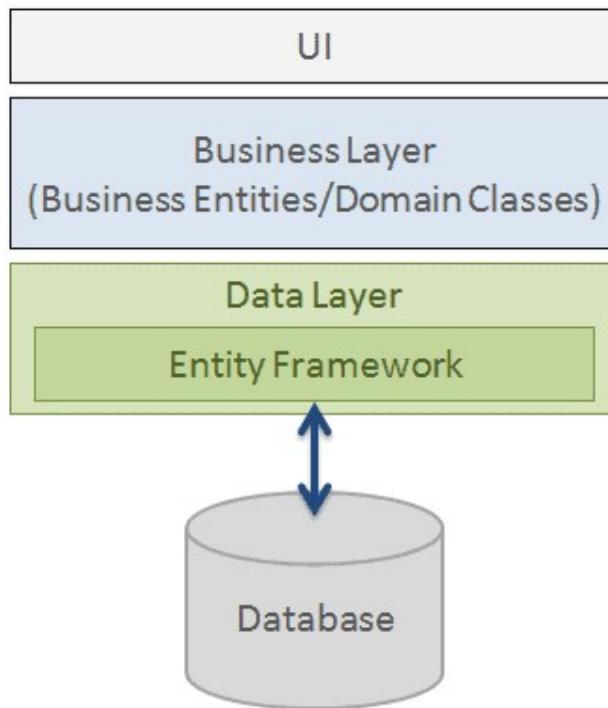
Prior to .NET 3.5, we (developers) often used to write ADO.NET code or Enterprise Data Access Block to save or retrieve application data from the underlying database. We used to open a connection to the database, create a DataSet to fetch or submit the data to the database, convert data from the DataSet to .NET objects or vice-versa to apply business rules. This was a cumbersome and error prone process. Microsoft has provided a framework called "Entity Framework" to automate all these database related activities for your application.

Entity Framework Core is an open-source ORM framework for .NET applications supported by Microsoft. It enables developers to work with data using objects of domain specific classes without focusing on the underlying database tables and columns where this data is stored. With the Entity Framework, developers can work at a higher level of abstraction when they deal with data, and can create and maintain data-oriented applications with less code compared with traditional applications.

Official Definition: “Entity Framework Core is an object-relational mapper (O/RM) that enables .NET developers to work with a database using .NET objects. It eliminates the need for most of the data-access code that developers usually need to write.”

The following figure illustrates where the Entity Framework fits into your application.

As per the above figure, Entity Framework fits between the business entities (domain classes) and the database. It saves data stored in the properties of business entities and also retrieves data from the database and converts it to business entities objects automatically.



Entity Framework Features

Cross-platform: EF Core is a cross-platform framework which can run on Windows, Linux and Mac.

Modelling: EF (Entity Framework) creates an EDM (Entity Data Model) based on POCO (Plain Old CLR Object) entities with get/set properties of different data types. It uses this model when querying or saving entity data to the underlying database.

Querying: EF allows us to use LINQ queries (C#/VB.NET) to retrieve data from the underlying database. The database provider will translate this LINQ queries to the database-specific query language (e.g. SQL for a relational database). EF also allows us to execute raw SQL queries directly to the database.

Change Tracking: EF keeps track of changes occurred to instances of your entities (Property values) which need to be submitted to the database.

Saving: EF executes INSERT, UPDATE, and DELETE commands to the database based on the changes occurred to your entities when you call the SaveChanges() method. EF also provides the asynchronous SaveChangesAsync() method.

Concurrency: EF uses Optimistic Concurrency by default to protect overwriting changes made by another user since data was fetched from the database.

Transactions: EF performs automatic transaction management while querying or saving data. It also provides options to customize transaction management.

Caching: EF includes first level of caching out of the box. So, repeated querying will return data from the cache instead of hitting the database.

Built-in Conventions: EF follows conventions over the configuration programming pattern, and includes a set of default rules which automatically configure the EF model.

Configurations: EF allows us to configure the EF model by using data annotation attributes or Fluent API to override default conventions.

Migrations: EF provides a set of migration commands that can be executed on the NuGet Package Manager Console or the Command Line Interface to create or manage underlying database Schema.

Chapter 3: Existing System

Existing System

The present Job Portal System works on the manual basis, so the information is stored on the sheet of paper. Storing the information in the hard copies increases the workload for maintaining the data while it also increases the time consumption required. Following are the challenges

1. **Paper-Based Processes:**
Inefficiency, Storage Issues, Limited Accessibility
2. **In-Person Interactions:**
Geographical Constraints, Time-Consuming, Lack of Flexibility
3. **Manual Job Listings and Matching:**
Limited Reach, Missed Opportunities, No Real-Time Updates
4. **Human-Driven Screening and Shortlisting:**
Time-Intensive, Risk of Oversight
5. **Communication Delays:**
Slow Response, Missed Opportunities, Lack of Transparency
6. **Lack of Analytics and Insights:**
Inability to Improve, No Performance Metrics, Limited Decision Support

Chapter 4: Proposed System

The proposed Job Portal System is internet based so it can be accessed from any place and will be a useful tool to maintain the data related to any person. This Job Portal System Project will keep the data of a job seeker into the system, and when an organization needs the candidate with required skill, it will show the candidate profile to the HR of that organization, Once the candidate will be shortlisted by the organization it will notify about it to the candidate. In that way, it will help both the organization and the job seeker to get the right job with correct skill.

4.1 Modules

The main stakeholders of this system are:

- 1) Admin.
- 2) Job Seekers.
- 3) Job Providers

Each of the modules have their own dashboard. Admin has his dashboard where all information is available in concise format. Same is available for both Job provider and Job seeker where they have their related info. For example Job Seeker have dashboard with favorite jobs count, Job applications done and summary of status of applications. While job provider have details like Posted jobs, applications on these jobs and status of their applications.

Admin:

In this module Admin will add all the qualifications, skill, experience, city, state, country and update and delete information about the job provider or job seeker he can also search for the job seeker and he can send mail to offer the job to job seeker and he can also see the jobs add by the job provider.

Job Provider:

This system enables the Recruiters to login to the system and create a vacancy and post it on the web. The Recruiting Company can associate jobseekers with a vacancy and Schedule the interview by providing their company e-mail or website address. They can also manage various stages of applications like application accepted, hired, rejected etc. They can search for candidates based on many parameters and also download or view their CV along with profile.

Job Seeker:

This system enables the jobseekers to login, to view all the vacancies and to view the applications done by him. They can also bookmark favorite jobs. They can track their job applications status . He is also able to search by location, job type and company name etc and single click apply functionality is available to them. The Job Seekers can register and create a profile. He/She can search and apply for jobs online. They can also upload their CV .

4.2 Definitions, Acronyms and Abbreviations: -

1. Job Provider

The person / company who creates vacancies.

2. Job Seekers

The person who applies for job.

3. Admin

The authorized person who controls all the application.

Chapter 5: System Planning

5.1 Requirement Specification

5.2 Feasibility Study

5.3 Life Cycle Model

5.4 Effort Distribution Diagram

5.5 Task Dependency Diagram

5.6 Project Schedule Chart

5.1 Requirement Specification

The Project Courier Management System has three components.

- Admin
- Job Seeker
- Job Provider

Admin:

- ✓ Admin is a person who had rights to manage Job seeker and Job providers accounts and actions..
- ✓ He has a right to decide the city, skills, Job profile, Job types options to provide and manage.
- ✓ Admin can manage the Jobs posted by Job Provider.
- ✓ Admin can manage the Job applications by Job Seeker.
- ✓ Handle all time things like managing website overall and other management actions to be taken for proper functioning of website whenever it to be.

Job Seeker:

- ✓ Job Seeker is a person who can search for jobs available.
- ✓ Job Seeker is a person who had rights to apply for a particular job or bookmark it.
- ✓ Job Seeker is a person who can view his dashboard with summary.
- ✓ Job Seeker can track his application status.
- ✓ Job Seeker can manage his profile and update it.

- ✓ Job Seeker can provide feedback of a Job.

Job Provider:

- ✓ Job Provider can manage their Profile.
- ✓ Job Provider can Post new Jobs.
- ✓ Job Provider can view the applications of his posted jobs.
- ✓ Job Provider can search for candidates with required skills.
- ✓ Job Provider can take actions on job applications.

5.2 Feasibility Study

2.2 Project Feasibility Study

2.2.1 Technical Feasibility

Technical feasibility study is concerned with specifying equipment and software that will successfully satisfy the user requirement; the technical needs of the system may vary considerably. The facility to produce outputs in a given time. Our project is a web based application which is based on client-server based application. In this application every page as output is render from server to client so it is necessary that the page should be rendered in time. For this I have avoided more and more code in the page- load event.

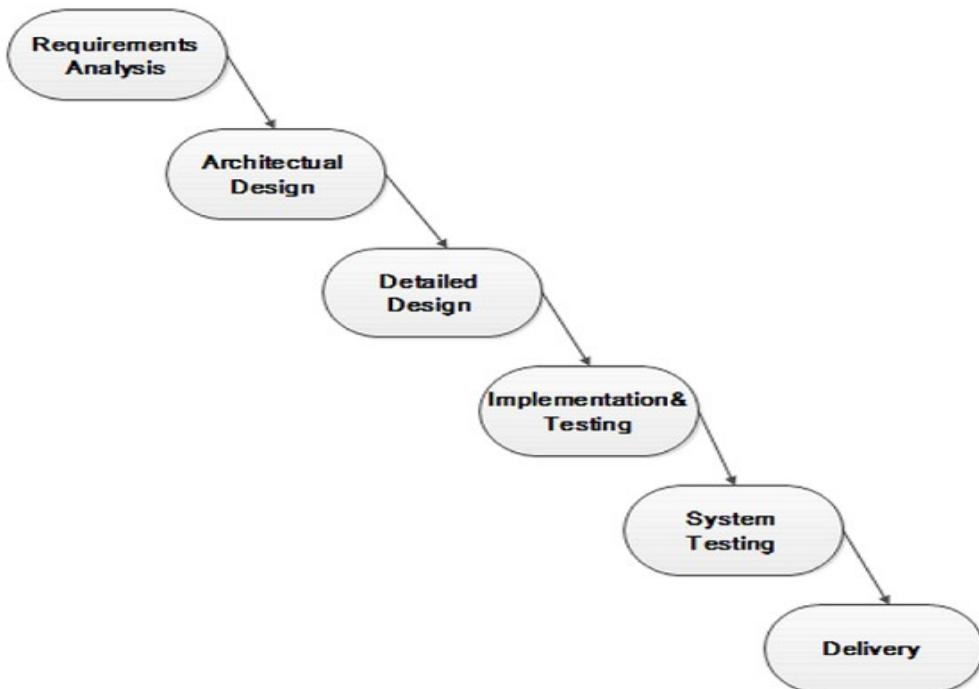
2.2.2 Economical Feasibility

Economic feasibility is the measure to determine the cost and benefit of the proposed system. A project is economical feasible which is under the estimated cost for its development. These benefits and costs may be tangible or intangible. Job Portal is the cost-effective project in which there is less possibility of intangible cost so there is no difficulty to determine the cost of the project.

2.2.3 Operational Feasibility

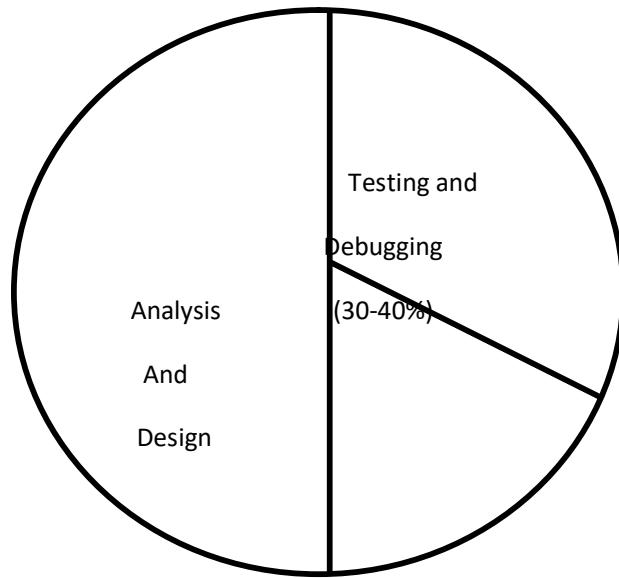
Operation feasibility is used to check whether the project is operationally feasible or not. Our project is mainly different from the other system because of its web-support feature. So the measure for operational feasibility is something different from other system. Generally the operational feasibility is related to organization aspects. The change determination is as such that early product were either a man or group of men or the jobs based manual but now a day with the advent of Internet technology.

5.3 Life Cycle Model



The Waterfall SDLC model is a sequential software development process in which progress is regarded as flowing increasingly downwards (similar to a waterfall) through a list of phases that must be executed in order to successfully build a computer software. Originally, the Waterfall model was proposed by Winston W. Royce in 1970 to describe a possible software engineering practice. The Waterfall model defines several consecutive phases that must be completed one after the other and moving to the next phase only when its preceding phase is completely done. For this reason, the Waterfall model is recursive in that each phase can be endlessly repeated until it is perfected. Fig. 1 depicts the different phases of the SDLC Waterfall model.

5.4 Effort Distribution



Project Planning: 2 to 3 %

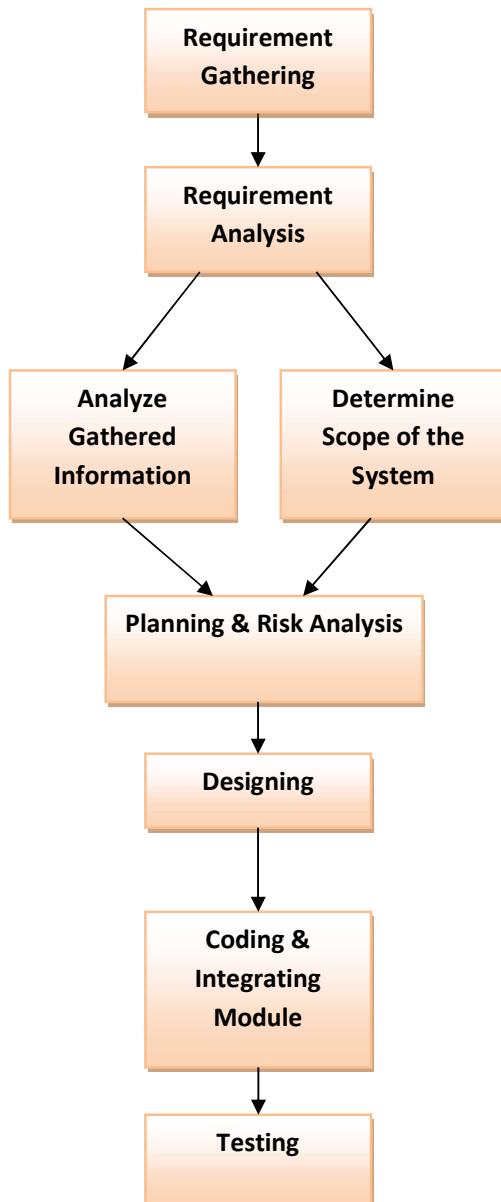
Requirement Analysis: 10 to 25 %

Design: 20 to 25 %

Coding: 15 to 20 %

Testing / Debugging: 30 to 40 %

5.5 Task Dependency Diagram



Work breakdown Structure

It is divided in to five main parts:

1. Scope & Planning:

In this particular phase of the project we have explained the problem definition along with its requirements in detail. All the research work and background study prior the project initialization has been conducted in this phase. The work breakdown structure and scheduling chart is prepared after conducting the feasibility study and risk analysis.

2. Requirement Analysis:

Here we have tried to gather all the requirements pertaining program code, user interface and database design. The detailed flow of data in the system is depicted. We have shown the relationships between the entities of data through entities relationship diagrams. This particular phase leads milestone SOFTWARE REQUIREMENT SPECIFICATION.

3. User Interface Designing:

Depending on the inputs and outputs of the system i.e. the interaction between the user and the system we have designed the interface. We have made it simple and attractive which makes it more users friendly.

4. Implementation and Testing:

Depending upon the requirement specified in scope, we have implemented the system using latest technology.

5. Other Peripheral Activities for Quality Assurance:

Continuously meetings were held for project tracking and analyzing the higher risks. Their degree of rigor was always tested and properly documented. These activities were conducted considering our budget constraints and required accuracy. It helped us to be focused and built a quality product.

5.6 Project Schedule Chart

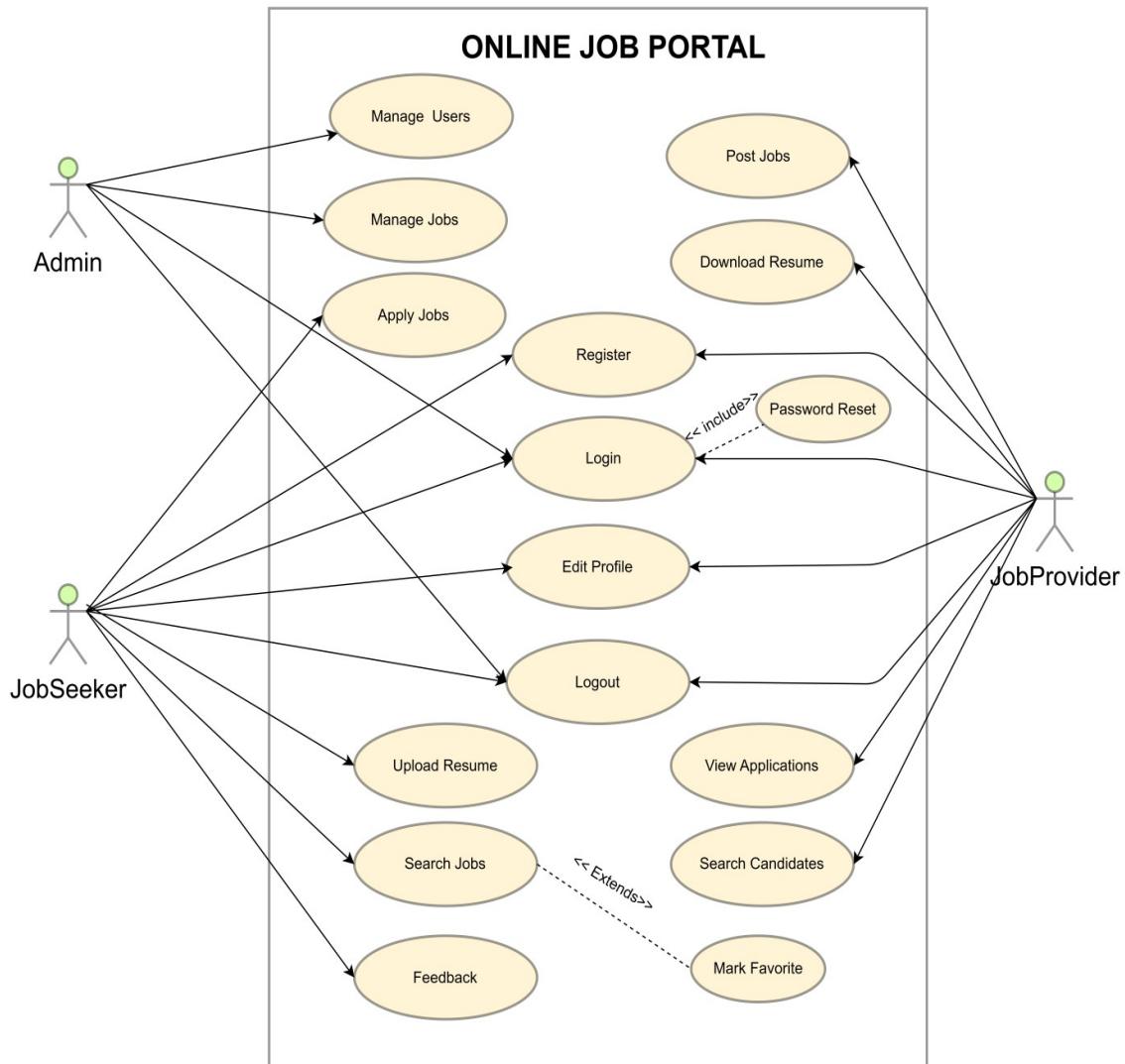
Task	Month 1				Month 2				Month 3			
	W 1	W 2	W 3	W 4	W 1	W 2	W 3	W 4	W 1	W 2	W 3	W 4
1) Requirement Gathering & analysis												
a) Collect details from developed sites												
b) Analyzed gathered information												
c) Determine the scope of the system					◆							
Milestone Req gathering completed.												
2) Planning												
a) Basic flow and structure												
b) Determined different modules					◆							
Milestone Planning completed												
3) Designing												
a) Basic Interface design												
b) Database Design												
c) Design web forms and modules						◆						
Milestone Designing Completed												
4) Risk Analysis												
Milestone Risk Analysis Completed									◆			
5) Coding and Integrating modules												
a) Implement logic for diff modules												
b) Integrating code with backend												
c) Integrating dependent modules										◆		
Milestone Coding completed												
6) Finalize the developed system												◆
Milestone Finalized												
7) Documentation												◆
Milestone Documentation completed												

Chapter 6: System Planning

6.1 Use Case Diagram

6.2 Data Flow Diagram

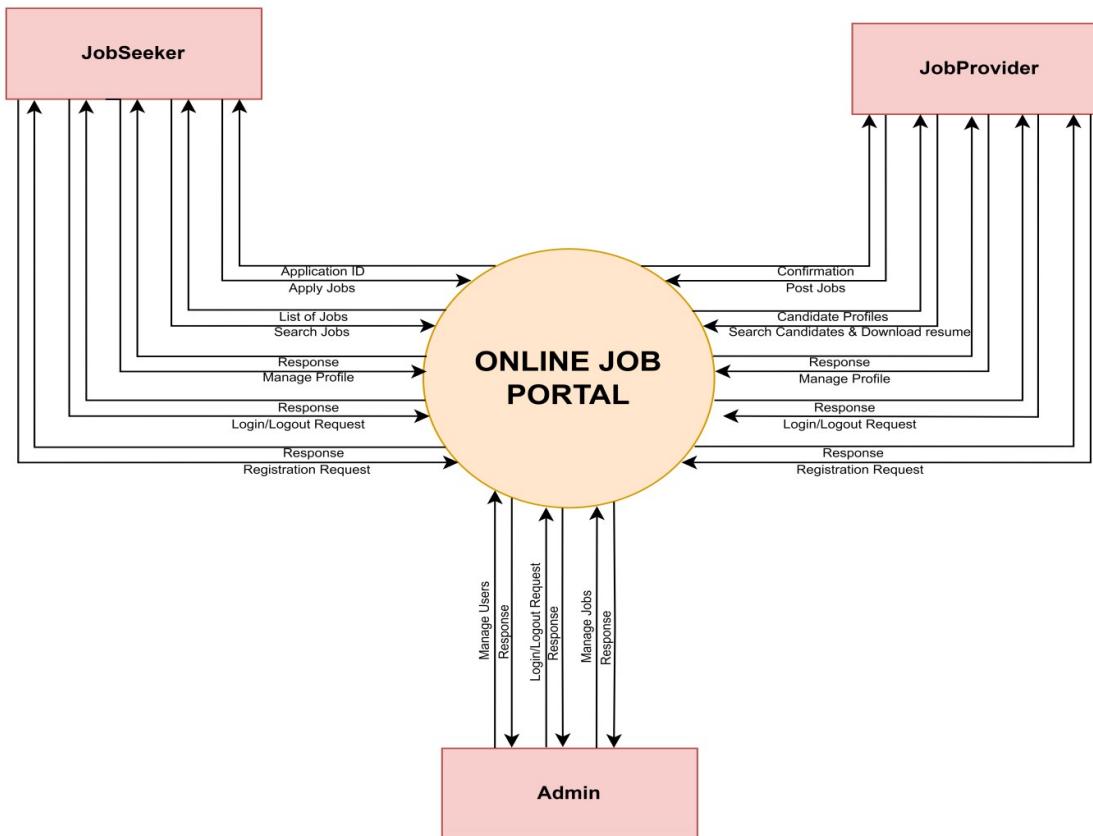
6.1 Use Case Diagram



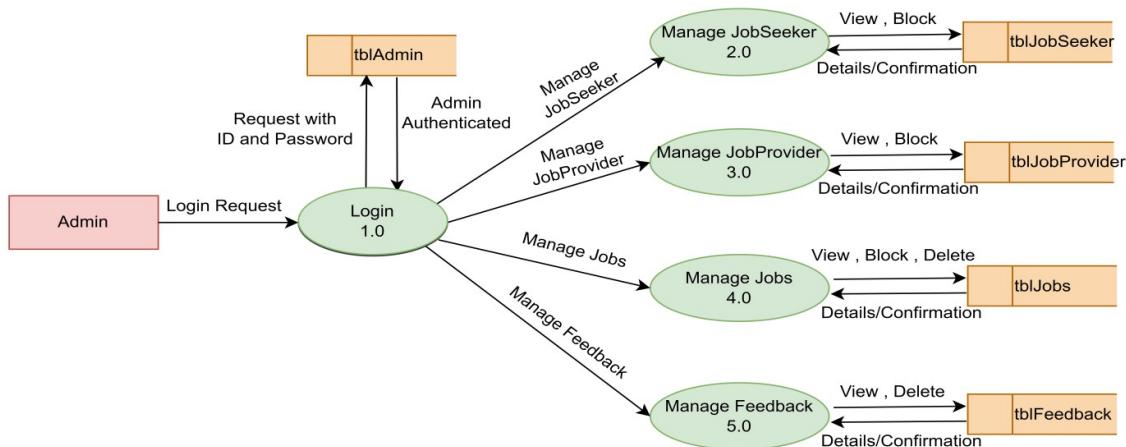
Online Job Portal

6.2 Activity Diagram

Level 0 -

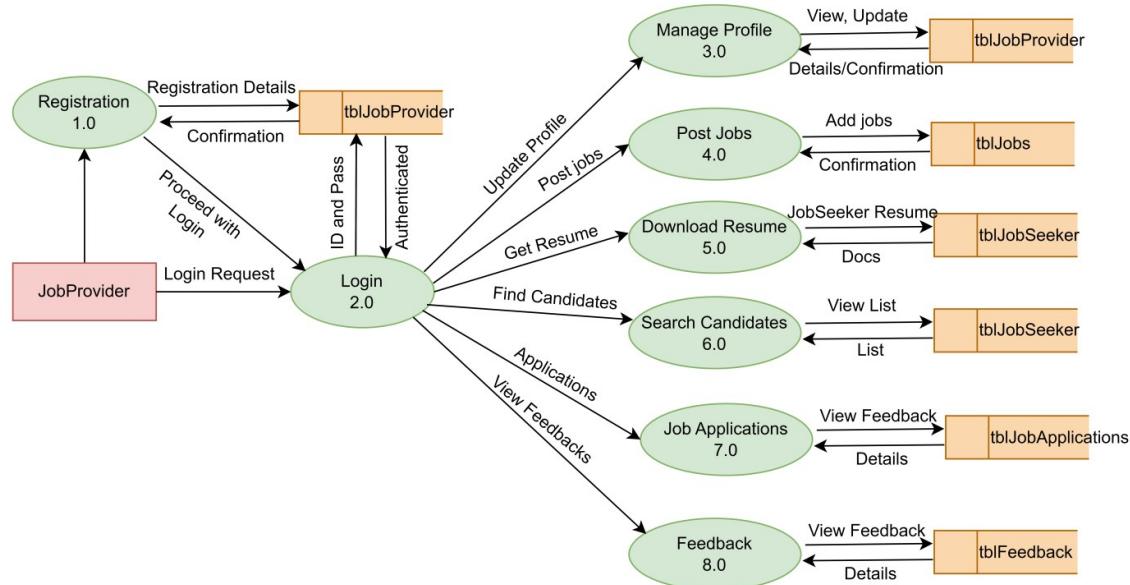


Level 1 Admin -

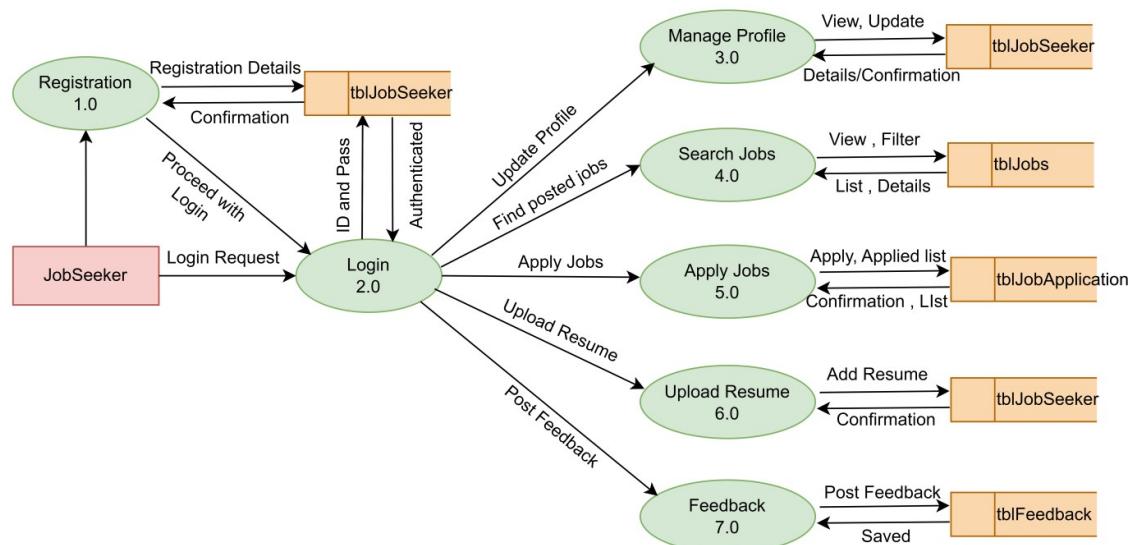


Online Job Portal

Level 1 Job Provider –

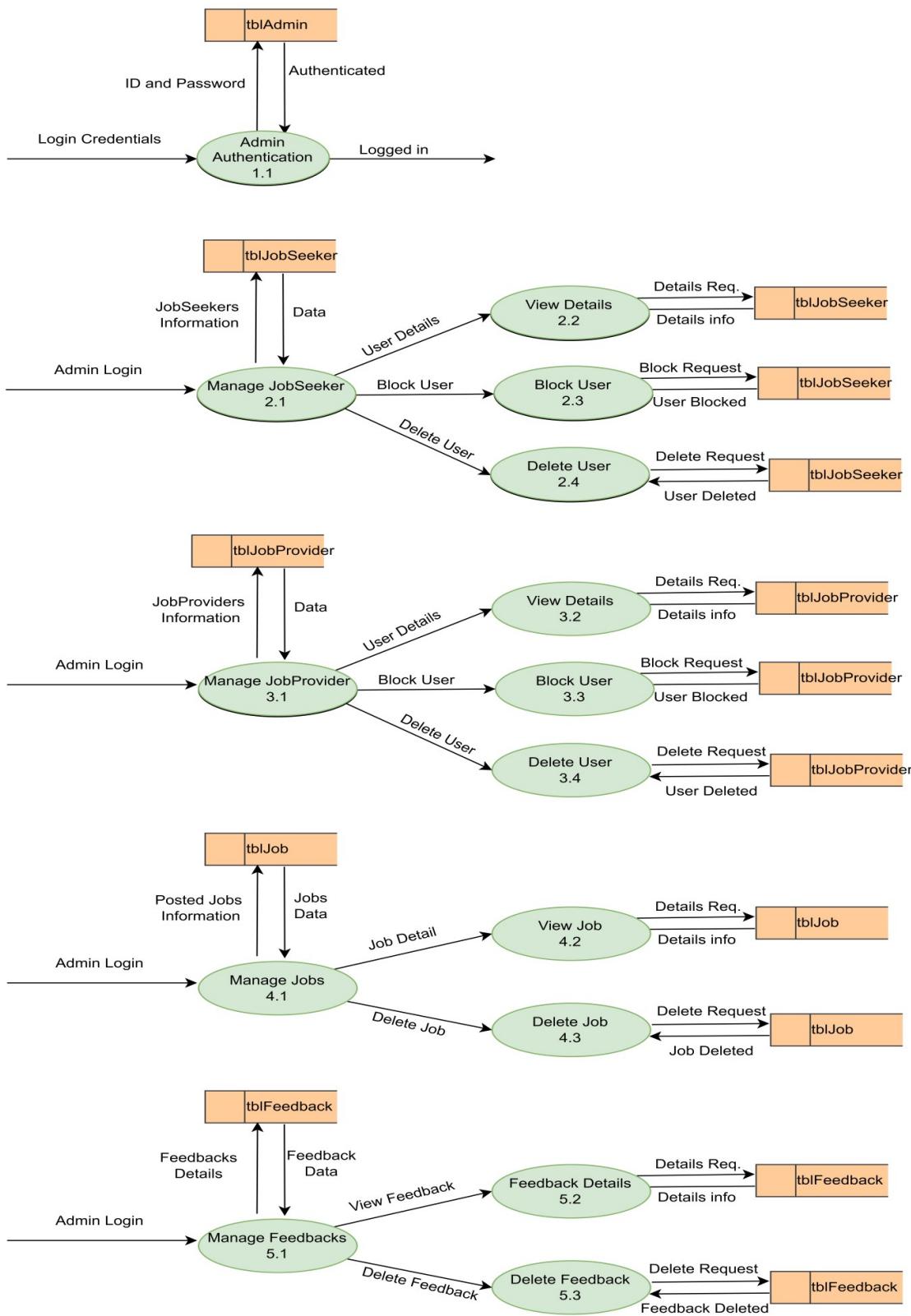


Level 1 Job Seeker –

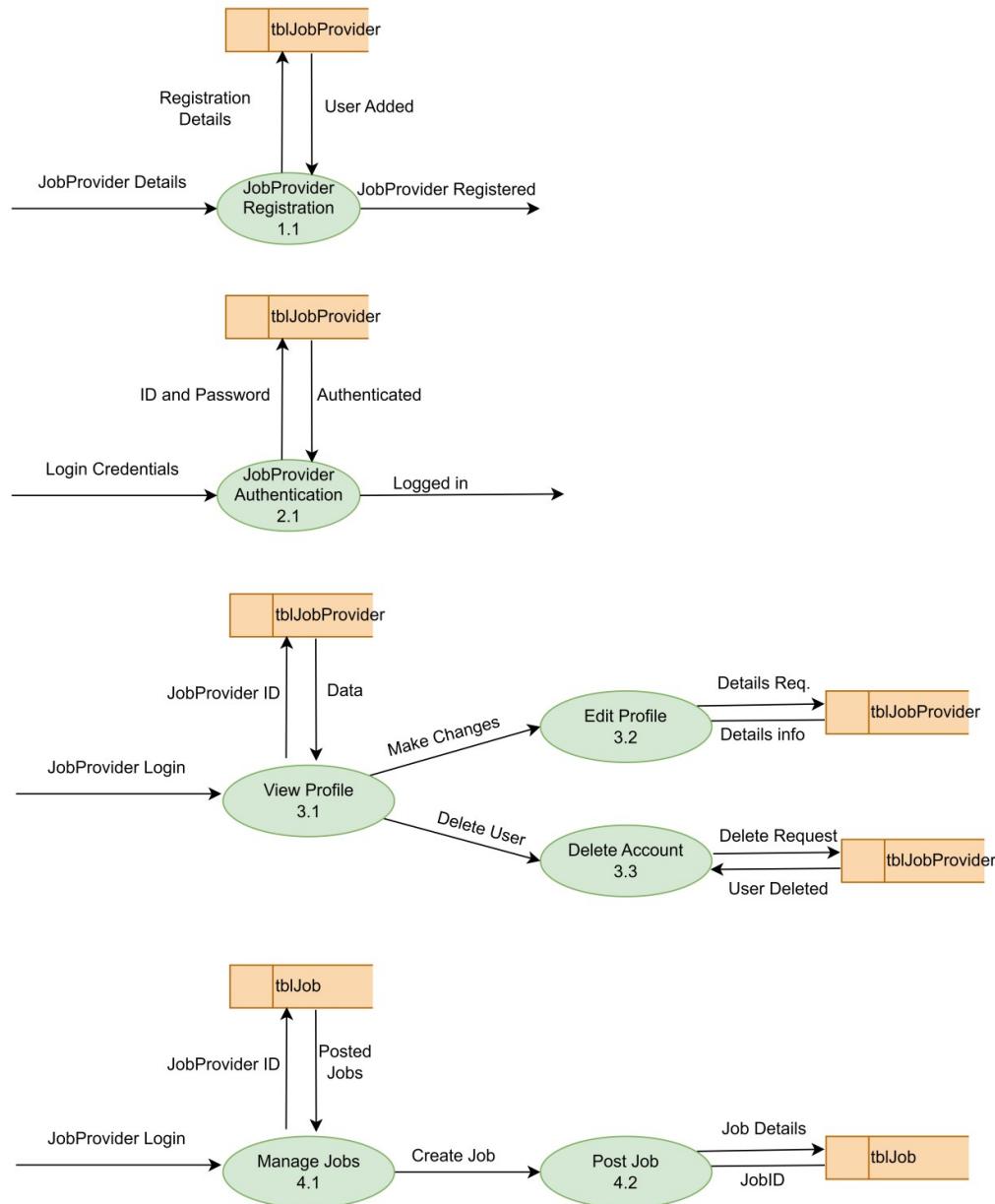


Online Job Portal

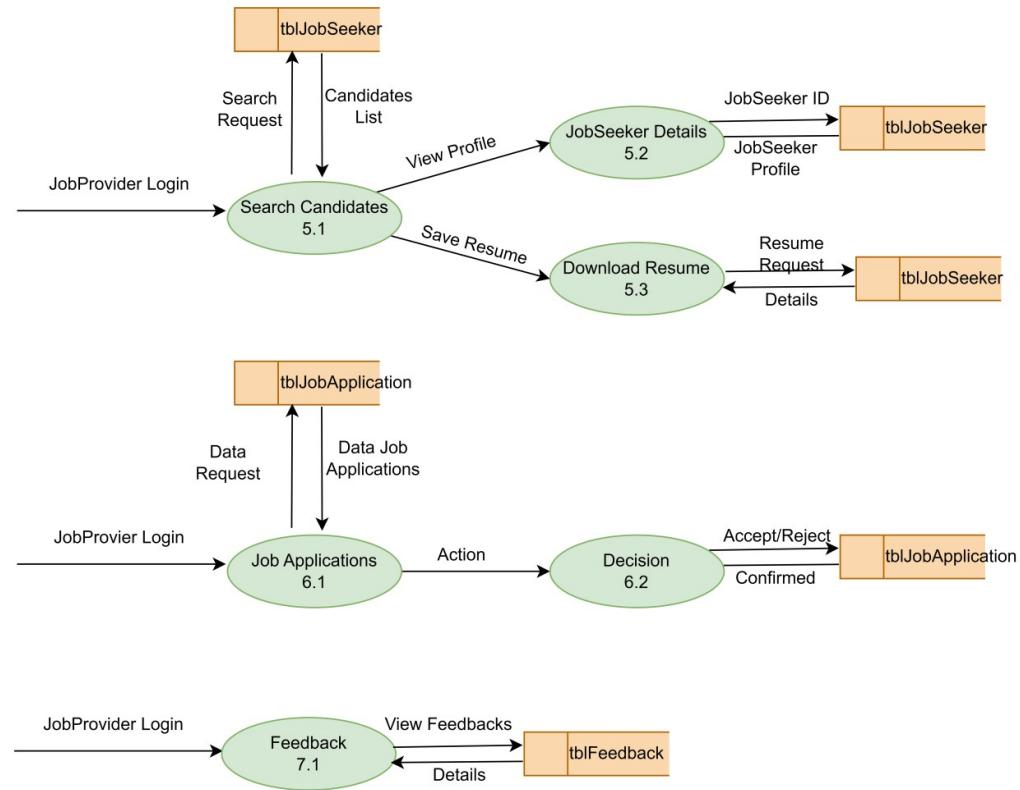
Level 2 Admin –



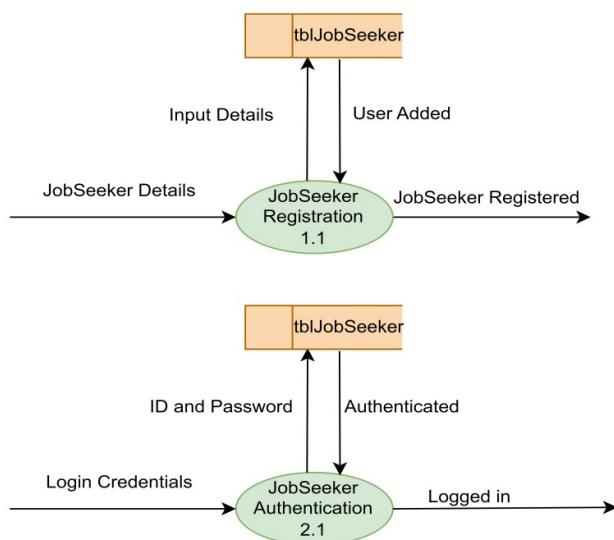
Level 2 Job Provider –



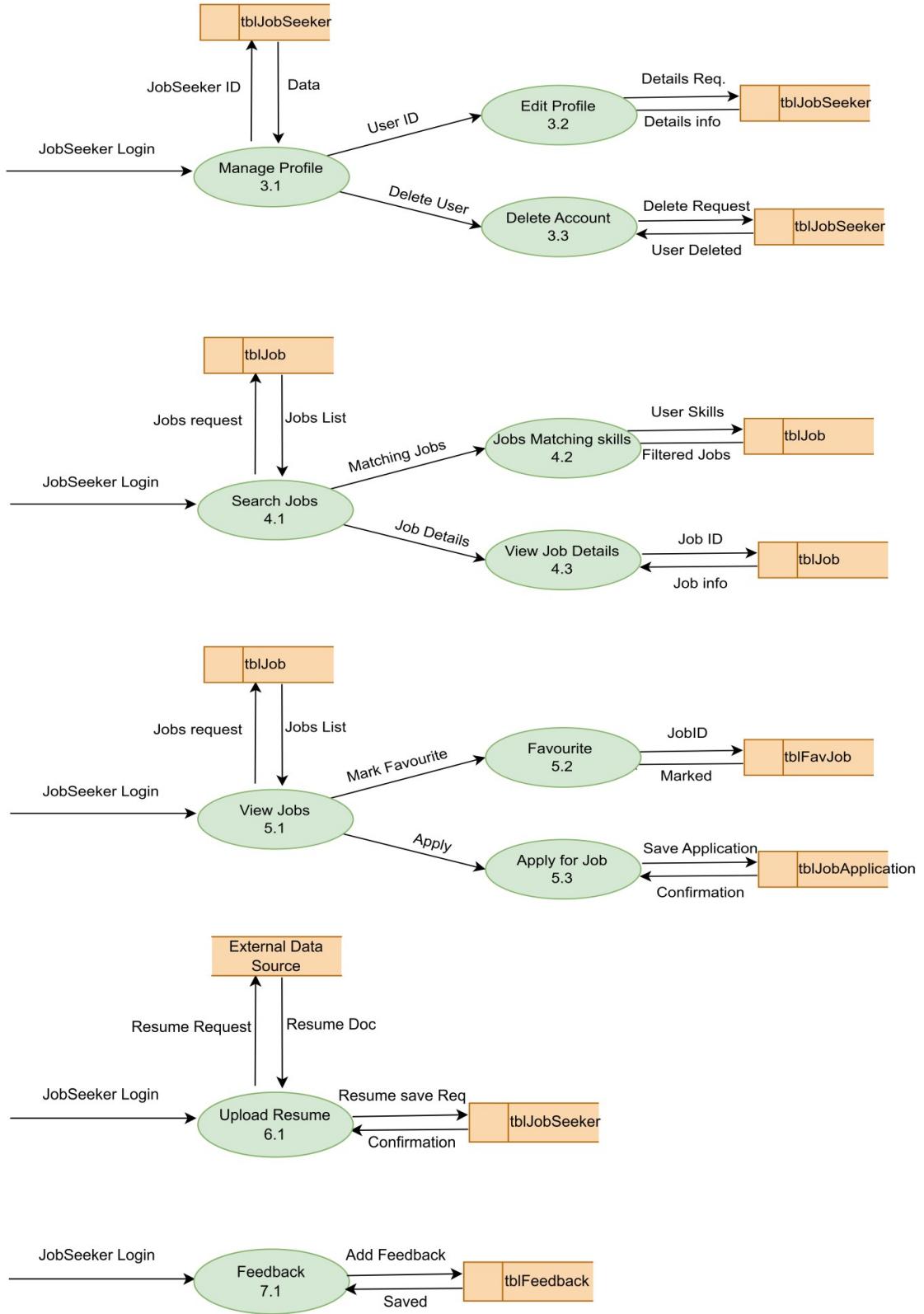
Online Job Portal



Level 2 Job Seeker –



Online Job Portal



Chapter 7: System Design

7.1 Class Diagram

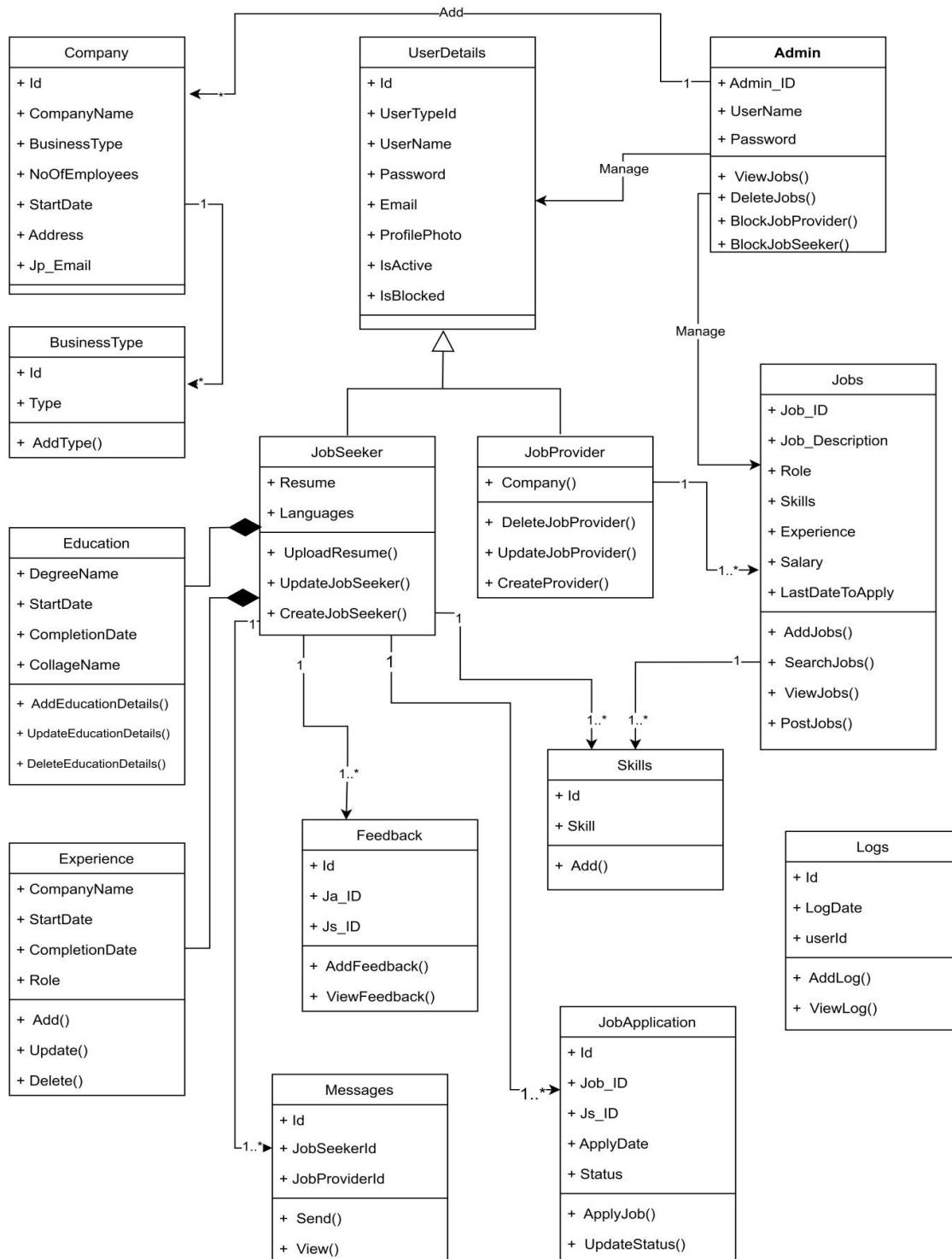
7.2 E-R Diagram

7.3 Table Structure

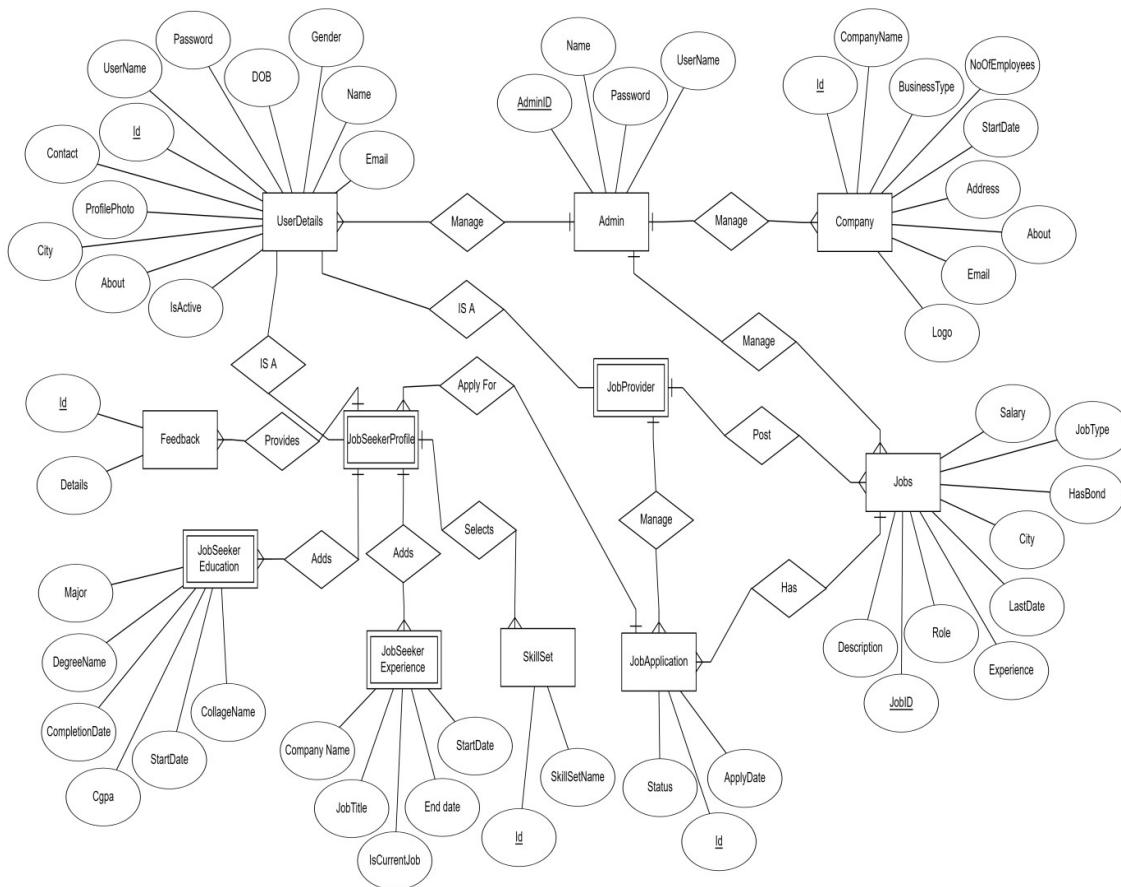
7.4 Data Dictionary

7.5 Screen Layout

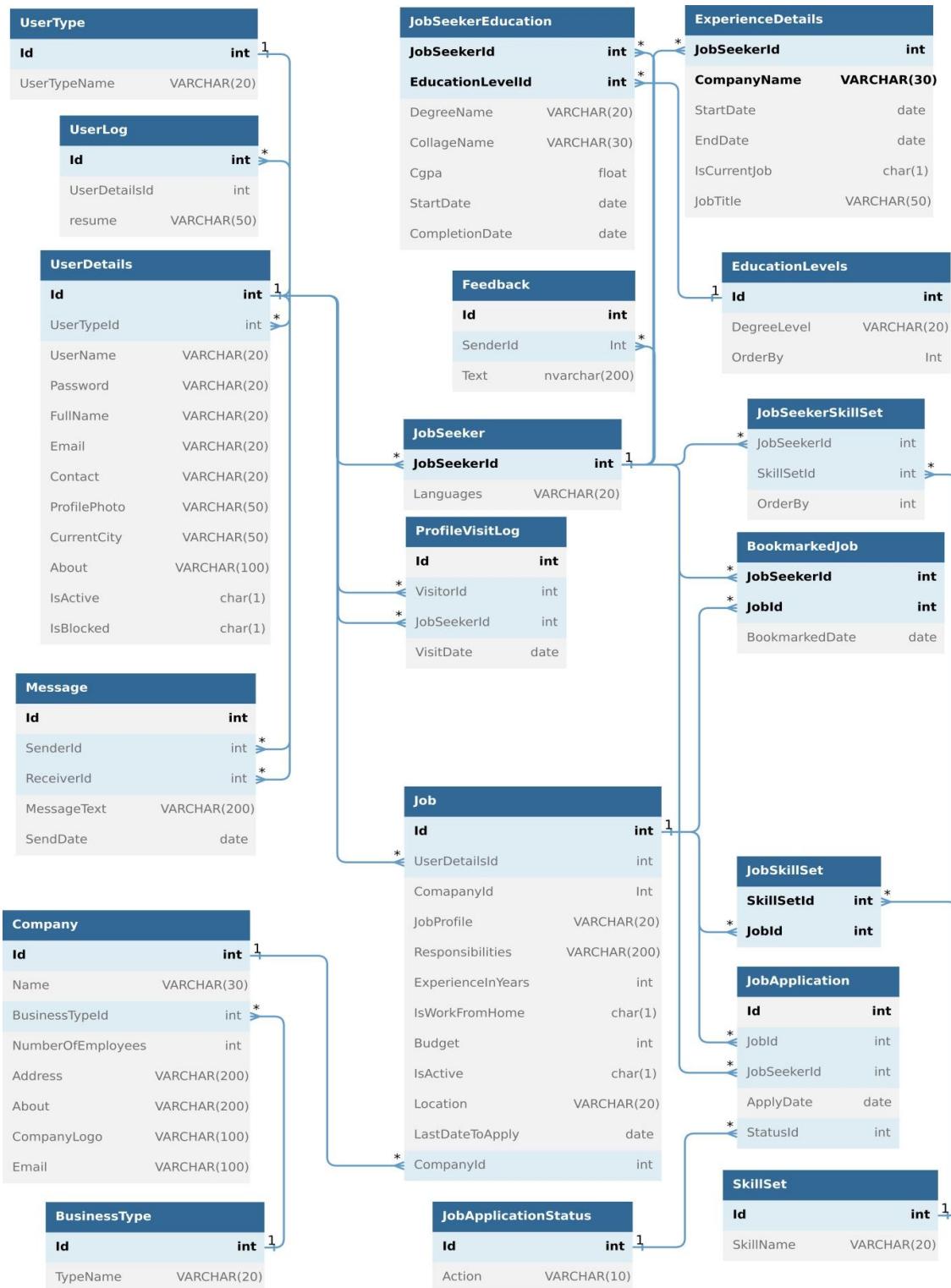
7.1 Class Diagram



7.2 Entity Relationship Diagram



7.3 Table Structure



7.4 Data Dictionary

1. AspNetUsers

	Name	Owner	Type	Created_datetime						
1	AspNetUsers	dbo	userstable	2024-04-06 18:28:50.480						
	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
1	Id	nvarchar	no	900			no	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
2	PhotoPath	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
3	IsBlocked	bit	no	1			no	(n/a)	(n/a)	NULL
4	DateOfBirth	datetime2	no	8	27	7	no	(n/a)	(n/a)	NULL
5	LastLogin	datetime2	no	8	27	7	no	(n/a)	(n/a)	NULL
6	ResumePath	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
7	Languages	int	no	4	10	0	no	(n/a)	(n/a)	NULL
8	WebsiteUrl	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
9	UserName	nvarchar	no	512			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
10	NormalizedU...	nvarchar	no	512			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
11	Email	nvarchar	no	512			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
12	NormalizedE...	nvarchar	no	512			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
13	EmailConfirm...	bit	no	1			no	(n/a)	(n/a)	NULL
14	PasswordHa...	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
15	SecurityStamp	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
16	Concurrency...	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
17	PhoneNumber	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
18	PhoneNumb...	bit	no	1			no	(n/a)	(n/a)	NULL
19	TwoFactorE...	bit	no	1			no	(n/a)	(n/a)	NULL
20	LockoutEnd	datetime...	no	10	34	7	yes	(n/a)	(n/a)	NULL
21	LockoutEna...	bit	no	1			no	(n/a)	(n/a)	NULL
22	AccessFai...	int	no	4	10	0	no	(n/a)	(n/a)	NULL
23	CreateDate	datetime2	no	8	27	7	no	(n/a)	(n/a)	NULL
24	CurrentCityId	int	no	4	10	0	yes	(n/a)	(n/a)	NULL
25	CompanyId	int	no	4	10	0	yes	(n/a)	(n/a)	NULL
26	JobRoleId	int	no	4	10	0	yes	(n/a)	(n/a)	NULL
27	FirstName	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
28	LastName	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
29	Address	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
30	Facebook	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
31	Instagram	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
32	LinkedIn	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
33	Twitter	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
1	Identity	Seed	Increment	Not For Replication						
1	No identity column defined.	NULL	NULL	NULL						
1	RowGuidCol									
1	No rowguidcol column defined.									
1	Data_located_on_filegroup									
1	PRIMARY									
6	index_name	index_description			index_keys					
6	UserNameIndex	nonclustered, unique located on ...			NormalizedUs...					
1	constraint_type	constraint_name			delete_action	update_action	status_enabled	status_for_replication	constraint_keys	
1	DEFAULT on column CreateDate	DF_AspNetUser_Creat_76969D2E			(n/a)	(n/a)	(n/a)	(n/a)	(0001-01-01T00:00:00.0000000)	
2	DEFAULT on column Languages	DF_AspNetUser_Langu_75A278F5			(n/a)	(n/a)	(n/a)	(n/a)	((0))	
3	FOREIGN KEY	FK_AspNetUsers_Cities_CurrentCityId			No Action	No Action	Enabled	Is_For_Replication	CurrentCityId	REFERENCES JobPortal.dbo.C...
4										
5	FOREIGN KEY	FK_AspNetUsers_Companies_Comp...			No Action	No Action	Enabled	Is_For_Replication	CompanyId	REFERENCES JobPortal.dbo.C...
6										
7	FOREIGN KEY	FK_AspNetUsers_JobRoles_JobRol...			No Action	No Action	Enabled	Is_For_Replication	JobRoleId	REFERENCES JobPortal.dbo.J...
8										

2. AspNetRoles

	Name	Owner	Type	Created_datetime							
1	AspNetRoles	dbo	user table	2024-04-06 18:28:50.440							
1	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation	
1	Id	nvarchar	no	900			no	(n/a)	(n/a)	SQL_Latin1_General_CI_AS	
2	Name	nvarchar	no	512			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS	
3	NormalizedName	nvarchar	no	512			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS	
4	ConcurrencyStamp	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS	
1	Identity	Seed	Increment	Not For Replication							
1	No identity column defined.	NULL	NULL	NULL							
1	RowGuidCol										
1	No rowguidcol column defined.										
1	Data_located_on_filegroup										
1	PRIMARY										
1	index_name	index_description		index_keys							
1	PK_AspNetRoles	clustered, unique, primary key located on PRIMARY		Id							
2	RoleNameIndex	nonclustered, unique located on PRIMARY		NormalizedName							
1	constraint_type	constraint_name	delete_action	update_action	status_enabled	status_for_replication	constraint_keys				
1	PRIMARY KEY (clustered)	PK_AspNetRoles	(n/a)	(n/a)	(n/a)	(n/a)	Id				
1	Table is referenced by foreign key										
1	1 JobPortal.dbo.AspNetRoleClaims: FK_AspNetRoleClai...										
2	2 JobPortal.dbo.AspNetUserRoles: FK_AspNetUserRole...										

3. AspNetUserRoles

	Name	Owner	Type	Created_datetime							
1	AspNetUserRoles	dbo	user table	2024-04-06 18:28:50.470							
1	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation	
1	UserId	nvarchar	no	900			no	(n/a)	(n/a)	SQL_Latin1_General_CI_AS	
2	RoleId	nvarchar	no	900			no	(n/a)	(n/a)	SQL_Latin1_General_CI_AS	
1	Identity	Seed	Increment	Not For Replication							
1	No identity column defined.	NULL	NULL	NULL							
1	RowGuidCol										
1	No rowguidcol column defined.										
1	Data_located_on_filegroup										
1	PRIMARY										
1	index_name	index_description		index_keys							
1	IX_AspNetUserRoles_RoleId	nonclustered located on PRIMARY		RoleId							
2	PK_AspNetUserRoles	clustered, unique, primary key located on PRIMARY		UserId,RoleId							
1	constraint_type	constraint_name		delete_action	update_action	status_enabled	status_for_replication	constraint_keys			
1	FOREIGN KEY	FK_AspNetUserRoles_AspNetRoles_RoleId		Cascade	No Action	Enabled	Is_For_Replication	RoleId			
2											
3	FOREIGN KEY	FK_AspNetUserRoles_AspNetUsers_UserId		Cascade	No Action	Enabled	Is_For_Replication	UserId			
4											
5	PRIMARY K...	PK_AspNetUserRoles		(n/a)	(n/a)	(n/a)	(n/a)	Userld,RoleId			

4. AspNetUserClaims

	Name	Owner	Type	Created_datetime										
1	AspNetUserClaims	dbo	user table	2024-04-06 18:28:50.450										
<hr/>														
1	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource					
1	Id	int	no	4	10	0	no	(n/a)	(n/a)					
2	UserId	nvarchar	no	900			no	(n/a)	(n/a)					
3	ClaimType	nvarchar	no	-1			yes	(n/a)	(n/a)					
4	ClaimValue	nvarchar	no	-1			yes	(n/a)	(n/a)					
<hr/>														
1	Identity	Seed	Increment	Not For Replication										
1	Id	1	1	0										
<hr/>														
1	RowGuidCol													
1	No rowguidcol column defined.													
<hr/>														
1	Data_located_on_filegroup													
1	PRIMARY													
<hr/>														
1	index_name	index_description			index_keys									
1	IX_AspNetUserClaims_UserId	nonclustered located on PRIMARY			UserId									
2	PK_AspNetUserClaims	clustered, unique, primary key located on PRIMARY			Id									
<hr/>														
1	constraint_type	constraint_name			delete_action	update_action	status_enabled	status_for_replication	constraint_keys					
1	FOREIGN KEY	FK_AspNetUserClaims_AspNetUsers.UserId			Cascade	No Action	Enabled	Is_For_Replication	UserId					
2								REFERENCES JobPortal.dbo.AspNetUsers (Id)						
3	PRIMARY KEY (clustered)	PK_AspNetUserClaims			(n/a)	(n/a)	(n/a)	(n/a)						

5. AspNetUserLogins

	Name	Owner	Type	Created_datetime										
1	AspNetUserLogins	dbo	user table	2024-04-06 18:28:50.460										
<hr/>														
1	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource					
1	LoginProvider	nvarchar	no	900			no	(n/a)	(n/a)					
2	ProviderKey	nvarchar	no	900			no	(n/a)	(n/a)					
3	ProviderDisplayName	nvarchar	no	-1			yes	(n/a)	(n/a)					
4	UserId	nvarchar	no	900			no	(n/a)	(n/a)					
<hr/>														
1	Identity	Seed	Increment	Not For Replication										
1	No identity column defined.	NULL	NULL	NULL										
<hr/>														
1	RowGuidCol													
1	No rowguidcol column defined.													
<hr/>														
1	Data_located_on_filegroup													
1	PRIMARY													
<hr/>														
1	index_name	index_description			index_keys									
1	IX_AspNetUserLogins_UserId	nonclustered located on PRIMARY			UserId									
2	PK_AspNetUserLogins	clustered, unique, primary key located on PRIMARY			LoginProvider, ProviderKey									
<hr/>														
1	constraint_type	constraint_name			delete_action	update_action	status_enabled	status_for_replication	constraint_keys					
1	FOREIGN KEY	FK_AspNetUserLogins_AspNetUsers.UserId			Cascade	No Action	Enabled	Is_For_Replication	UserId					
2								REFERENCES JobPortal.dbo.AspNetUsers (Id)						
3	PRIMARY KEY (clustered)	PK_AspNetUserLogins			(n/a)	(n/a)	(n/a)	(n/a)						

6. AspNetUserTokens

1	Name	Owner	Type	Created_datetime														
1	AspNetUserTokens	dbo	user table	2024-04-06 18:28:50.503														
<hr/>																		
1	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation								
1	UserId	Click to select the whole column					no	(n/a)	(n/a)	SQL_Latin1_General_CI_AS								
2	LoginProvider	nvarchar	no	900			no	(n/a)	(n/a)	SQL_Latin1_General_CI_AS								
3	Name	nvarchar	no	900			no	(n/a)	(n/a)	SQL_Latin1_General_CI_AS								
4	Value	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS								
<hr/>																		
1	Identity	Seed	Increment	Not For Replication														
1	No identity column defined.	NULL	NULL	NULL														
<hr/>																		
1	RowGuidCol																	
1	No rowguidcol column defined.																	
<hr/>																		
1	Data_located_on_filegroup																	
1	PRIMARY																	
<hr/>																		
1	index_name	index_description			index_keys													
1	PK_AspNetUserTokens	clustered, unique, primary key located on PRIMARY			UserId, LoginProvider, Name													
<hr/>																		
1	constraint_type	constraint_name			delete_action	update_action	status_enabled	status_for_replication	constraint_keys									
1	FOREIGN KEY	FK_AspNetUserTokens_AspNetUsers_UserId			Cascade	No Action	Enabled	Is_For_Replication	UserId									
2									REFERENCES JobPortal.dbo.AspNetUsers (Id)									
3	PRIMARY KEY (clustered)	PK_AspNetUserTokens			(n/a)	(n/a)	(n/a)	(n/a)	UserId, LoginProvider, Name									

7. BookmarkedJobs

1	Name	Owner	Type	Created_datetime														
1	BookmarkedJobs	dbo	user table	2024-04-06 18:28:50.507														
<hr/>																		
1	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation								
1	Id	int	no	4	10	0	no	(n/a)	(n/a)	NULL								
2	SaveDate	datetime2	no	8	27	7	no	(n/a)	(n/a)	NULL								
3	AppUserId	nvarchar	no	900			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS								
4	JobId	int	no	4	10	0	no	(n/a)	(n/a)	NULL								
<hr/>																		
1	Identity	Seed	Increment	Not For Replication														
1	Id	1	1	0														
<hr/>																		
1	RowGuidCol																	
1	No rowguidcol column defined.																	
<hr/>																		
1	Data_located_on_filegroup																	
1	PRIMARY																	
<hr/>																		
1	index_name	index_description			index_keys													
1	IX_BookmarkedJobs_AppUserId	nonclustered located on PRIMARY			AppUserId													
2	IX_BookmarkedJobs_JobId	nonclustered located on PRIMARY			JobId													
3	PK_BookmarkedJobs	clustered, unique, primary key located on PRIMARY			Id													
<hr/>																		
1	constraint_type	constraint_name			delete_action	update_action	status_enabled	status_for_replication	constraint_keys									
1	DEFAULT on column JobId	DF_Bookmarke_JobId_778AC167			(n/a)	(n/a)	(n/a)	(n/a)	((0))									
2	FOREIGN KEY	FK_BookmarkedJobs_AspNetUsers_AppUserId			No Action	No Action	Enabled	Is_For_Replication	AppUserId									
3									REFERENCES JobPortal.dbo.AspNetUsers (Id)									
4	FOREIGN KEY	FK_BookmarkedJobs_Jobs_JobId			Cascade	No Action	Enabled	Is_For_Replication	JobId									
5									REFERENCES JobPortal.dbo.Jobs (Id)									
6	PRIMARY KEY (clustered)	PK_BookmarkedJobs			(n/a)	(n/a)	(n/a)	(n/a)	Id									

8. BusinessTypes

Online Job Portal

	Name	Owner	Type	Created_datetime											
1	BusinessTypes	dbo	user table	2024-04-06 18:28:50.517											
1	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation					
1	Id	int	no	4	10	0	no	(n/a)	(n/a)	NULL					
2	Type	nvarchar	no	200			no	(n/a)	(n/a)	SQL_Latin1_General_CI_AS					
1	Identity	Seed	Increment	Not For Replication											
1	Id	1	1	0											
1	RowGuidCol														
1	No rowguidcol column defined.														
1	Data_located_on_filegroup														
1	PRIMARY														
1	index_name	index_description			index_keys										
1	PK_Business Types	clustered, unique, primary key located on PRIMARY			Id										
1	constraint_type	constraint_name			delete_action	update_action	status_enabled	status_for_replication	constraint_keys						
1	DEFAULT on column Type	DF__BusinessTy__Type__787EE5A0			(n/a)	(n/a)	(n/a)	(n/a)	(N')						
2	PRIMARY KEY (clustered)	PK_Business Types			(n/a)	(n/a)	(n/a)	(n/a)	Id						
1	Table is referenced by foreign key														
1	JobPortal.dbo.Companies: FK_Companies_BusinessTy...														

9. Cities

	Name	Owner	Type	Created_datetime											
1	Cities	dbo	user table	2024-04-06 18:28:50.523											
1	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation					
1	Id	int	no	4	10	0	no	(n/a)	(n/a)	NULL					
2	CityName	nvarchar	no	100			no	(n/a)	(n/a)	SQL_Latin1_General_CI_AS					
3	IsActive	bit	no	1			no	(n/a)	(n/a)	NULL					
1	Identity	Seed	Increment	Not For Replication											
1	Id	1	1	0											
1	RowGuidCol														
1	No rowguidcol column defined.														
1	Data_located_on_filegroup														
1	PRIMARY														
1	index_name	index_description			index_keys										
1	PK_Cities	clustered, unique, primary key located on PRIMARY			Id										
1	constraint_type	constraint_name			delete_action	update_action	status_enabled	status_for_replication	constraint_keys						
1	DEFAULT on column IsActive	DF__Cities__IsActive__797309D9			(n/a)	(n/a)	(n/a)	(n/a)	(CONVERT([bit],(0)))						
2	PRIMARY KEY (clustered)	PK_Cities			(n/a)	(n/a)	(n/a)	(n/a)	Id						
1	Table is referenced by foreign key														
1	JobPortal.dbo.AspNetUsers: FK_AspNetUsers_Cities_...														
2	JobPortal.dbo.Companies: FK_Companies_Cities_CityId														
3	JobPortal.dbo.Jobs: FK_Jobs_Cities_CityId														

10. Companies

Online Job Portal

	Name	Owner	Type	Created_datetime							
1	Companies	dbo	user table	2024-04-06 18:28:50.527							
1	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation	
1	Id	int	no	4	10	0	no	(n/a)	(n/a)	NULL	
2	CompanyName	nvarchar	no	200			no	(n/a)	(n/a)	SQL_Latin1_General_CI_AS	
3	About	nvarchar	no	600			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS	
4	NumberOfEmployees	int	no	4	10	0	no	(n/a)	(n/a)	NULL	
5	StartDate	datetime2	no	8	27	7	no	(n/a)	(n/a)	NULL	
6	Address	nvarchar	no	400			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS	
7	State	int	no	4	10	0	no	(n/a)	(n/a)	NULL	
8	Email	nvarchar	no	-1			no	(n/a)	(n/a)	SQL_Latin1_General_CI_AS	
9	CompanyLogoPath	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS	
10	BusinessTypeId	int	no	4	10	0	no	(n/a)	(n/a)	NULL	
11	CityId	int	no	4	10	0	no	(n/a)	(n/a)	NULL	
	Identity	Seed	Increment	Not For Replication							
1	Id	1	1	0							
	RowGuidCol										
1	No rowguidcol column defined.										
	Data_located_on_filegroup										
1	PRIMARY										
	index_name	index_description				index_keys					
1	IX_Companies_BusinessTypeId	nonclustered located on PRIMARY				BusinessTypeId					
2	IX_Companies_CityId	nonclustered located on PRIMARY				CityId					
3	PK_Companies	clustered, unique, primary key located on PRIMARY				Id					
	constraint_type	constraint_name				delete_action	update_action	status_enabled	status_for_replication	constraint_keys	
1	DEFAULT on column CityId	DF__Companies__CityI__7A672E12				(n/a)	(n/a)	(n/a)	(n/a)	((0))	

11. CVs

	Name	Owner	Type	Created_datetime							
1	CVs	dbo	user table	2024-04-06 18:28:50.540							
1	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation	
1	Id	int	no	4	10	0	no	(n/a)	(n/a)	NULL	
2	AboutMe	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS	
3	AppUserId	nvarchar	no	900			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS	
	Identity	Seed	Increment	Not For Replication							
1	Id	1	1	0							
	RowGuidCol										
1	No rowguidcol column defined.										
	Data_located_on_filegroup										
1	PRIMARY										
	index_name	index_description				index_keys					
1	IX_CVs_AppUserId	nonclustered, unique located on PRIMARY				AppUserId					
2	PK_CVs	clustered, unique, primary key located on PRIMARY				Id					
	constraint_type	constraint_name				delete_action	update_action	status_enabled	status_for_replication	constraint_keys	
1	FOREIGN KEY	FK_CVs_AspNetUsers_AppUserId				No Action	No Action	Enabled	Is_For_Replication	AppUserId	
2										REFERENCES JobPortal.dbo.AspNetUsers (Id)	
3	PRIMARY KEY (clustered)	PK_CVs				(n/a)	(n/a)	(n/a)	(n/a)	Id	
	Table is referenced by foreign key										
1	JobPortal.dbo.CVSkillSets: FK_CVSkillSets_CVs_CVId										
2	Job Portal.dbo.ExperienceDetails: FK_ExperienceDet...										
3	Job Portal.dbo.JobSeekerEducations: FK_JobSeeker...										

12. CVSkillSets

Online Job Portal

	Name	Owner	Type	Created_datetime										
1	CVSkillSets	dbo	user table	2024-04-06 18:28:50.547										
<hr/>														
1	CVId	int	no	4	10	0	no	(n/a)	(n/a)	NULL				
2	SkillId	int	no	4	10	0	no	(n/a)	(n/a)	NULL				
<hr/>														
1	Identity	Seed	Increment	Not For Replication										
1	No identity column defined.	NULL	NULL	NULL										
<hr/>														
1	RowGuidCol													
1	No rowguidcol column defined.													
<hr/>														
1	Data_located_on_filegroup													
1	PRIMARY													
<hr/>														
1	index_name	index_description			index_keys									
1	IX_CVSkillSets_SkillId	nonclustered located on PRIMARY			SkillId									
2	PK_CVSkillSets	clustered, unique, primary key located on PRIMARY			CVId, SkillId									
<hr/>														
1	constraint_type	constraint_name		delete_action	update_action	status_enabled	status_for_replication	constraint_keys						
1	FOREIGN KEY	FK_CVSkillSets_CVs_CVId		Cascade	No Action	Enabled	Is_For_Replication	CVId						
2								REFERENCES JobPortal.dbo.CV (Id)						
3	FOREIGN KEY	FK_CVSkillSets_Skills_SkillId		Cascade	No Action	Enabled	Is_For_Replication	SkillId						
4								REFERENCES JobPortal.dbo.Skills ...						
5	PRIMARY KEY (clustered)	PK_CVSkillSets		(n/a)	(n/a)	(n/a)	(n/a)	CVId, SkillId						

13.ExperienceDetails

	Name	Owner	Type	Created_datetime										
1	ExperienceDetails	dbo	user table	2024-04-06 18:28:50.557										
<hr/>														
1	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation				
1	Id	int	no	4	10	0	no	(n/a)	(n/a)	NULL				
2	StartDate	datetime2	no	8	27	7	no	(n/a)	(n/a)	NULL				
3	EndDate	datetime2	no	8	27	7	no	(n/a)	(n/a)	NULL				
4	IsCurrentJob	bit	no	1			no	(n/a)	(n/a)	NULL				
5	CompanyName	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS				
6	Job Title	nvarchar	no	-1			no	(n/a)	(n/a)	SQL_Latin1_General_CI_AS				
7	CVId	int	no	4	10	0	no	(n/a)	(n/a)	NULL				
<hr/>														
1	Identity	Seed	Increment	Not For Replication										
1	Id	1	1	0										
<hr/>														
1	RowGuidCol													
1	No rowguidcol column defined.													
<hr/>														
1	Data_located_on_filegroup													
1	PRIMARY													
<hr/>														
1	index_name	index_description			index_keys									
1	IX_ExperienceDetails_CVId	nonclustered located on PRIMARY			CVId									
2	PK_ExperienceDetails	clustered, unique, primary key located on PRIMARY			Id									
<hr/>														
1	constraint_type	constraint_name		delete_action	update_action	status_enabled	status_for_replication	constraint_keys						
1	DEFAULT on column CVId	DF_Experience__CVId_7B5B524B		(n/a)	(n/a)	(n/a)	(n/a)	(0)						
2	FOREIGN KEY	FK_ExperienceDetails_CVs_CVId		Cascade	No Action	Enabled	Is_For_Replication	CVId						
3								REFERENCES JobPortal.dbo.CV (Id)						
4	PRIMARY KEY (clustered)	PK_ExperienceDetails		(n/a)	(n/a)	(n/a)	(n/a)	Id						

14.Feedbacks

Online Job Portal

	Name	Owner	Type	Created_datetime											
1	Feedbacks	dbo	user table	2024-04-06 18:28:50.563											
<hr/>															
1	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource						
1	Id	int	no	4	10	0	no	(n/a)	(n/a)						
2	Text	nvarchar	no	-1			no	(n/a)	(n/a)						
3	Addtime	datetime2	no	8	27	7	no	(n/a)	(n/a)						
4	AppUserId	nvarchar	no	900			yes	(n/a)	(n/a)						
<hr/>															
1	Identity	Seed	Increment	Not For Replication											
1	Id	1	1	0											
<hr/>															
1	RowGuidCol														
1	No rowguidcol column defined.														
<hr/>															
1	Data_located_on_filegroup														
1	PRIMARY														
<hr/>															
1	index_name	index_description			index_keys										
1	IX_Feedbacks_AppUserId	nonclustered located on PRIMARY			AppUserId										
2	PK_Feedbacks	clustered, unique, primary key located on PRIMARY			Id										
<hr/>															
1	constraint_type	constraint_name			delete_action	update_action	status_enabled	status_for_replication	constraint_keys						
1	FOREIGN KEY	FK_Feedbacks_AspNetUsers_AppUserId			No Action	No Action	Enabled	Is_For_Replication	AppUserId						
2									REFERENCES JobPortal.dbo.AspNetUsers (Id)						
3	PRIMARY KEY (clustered)	PK_Feedbacks			(n/a)	(n/a)	(n/a)	(n/a)	Id						

15.JobApplications

	Name	Owner	Type	Created_datetime											
1	JobApplications	dbo	user table	2024-04-06 18:28:50.570											
<hr/>															
1	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource						
1	Id	int	no	4	10	0	no	(n/a)	(n/a)						
2	ApplyDate	datetime2	no	8	27	7	no	(n/a)	(n/a)						
3	JobId	int	no	4	10	0	no	(n/a)	(n/a)						
4	JobSeekerId	nvarchar	no	900			yes	(n/a)	(n/a)						
5	AppStatus	int	no	4	10	0	no	(n/a)	(n/a)						
<hr/>															
1	Identity	Seed	Increment	Not For Replication											
1	Id	1	1	0											
<hr/>															
1	RowGuidCol														
1	No rowguidcol column defined.														
<hr/>															
1	Data_located_on_filegroup														
1	PRIMARY														
<hr/>															
1	index_name	index_description			index_keys										
1	IX_JobApplications_JobId	nonclustered located on PRIMARY			JobId										
2	IX_JobApplications_JobSeekerId	nonclustered located on PRIMARY			JobSeekerId										
3	PK_JobApplications	clustered, unique, primary key located on PRIMARY			Id										
<hr/>															
1	constraint_type	constraint_name			delete_action	update_action	status_enabled	status_for_replication	constraint_keys						
1	DEFAULT on column AppStatus	DF_JobApplic__AppSt__7C4F7684			(n/a)	(n/a)	(n/a)	(n/a)	((0))						
2	FOREIGN KEY	FK_JobApplications_AspNetUsers_JobSeekerId			No Action	No Action	Enabled	Is_For_Replication	JobSeekerId						
3									REFERENCES JobPortal.dbo.AspNetUsers (Id)						
4	FOREIGN KEY	FK_JobApplications_Jobs_JobId			Cascade	No Action	Enabled	Is_For_Replication	JobId						
5									REFERENCES JobPortal.dbo.Jobs (Id)						
6	PRIMARY KEY (clustered)	PK_JobApplications			(n/a)	(n/a)	(n/a)	(n/a)	Id						

16.JobRoles

Online Job Portal

	Name	Owner	Type	Created_datetime									
1	JobRoles	dbo	user table	2024-04-06 18:28:50.577									
1	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation			
1	Id	int	no	4	10	0	no	(n/a)	(n/a)	NULL			
2	JobTitle	nvarchar	no	200	100	0	no	(n/a)	(n/a)	SQL_Latin1_General_CI_AS			
3	Description	nvarchar	no	-1			no	(n/a)	(n/a)	SQL_Latin1_General_CI_AS			
	Identity	Seed	Increment	Not For Replication									
1	Id	1	1	0									
	RowGuidCol												
1	No rowguidcol column defined.												
	Data_located_on_filegroup												
1	PRIMARY												
	index_name	index_description			index_keys								
1	PK_JobRoles	clustered, unique, primary key located on PRIMARY			Id								
	constraint_type	constraint_name	delete_action	update_action	status_enabled	status_for_replication	constraint_keys						
1	PRIMARY KEY (clustered)	PK_JobRoles	(n/a)	(n/a)	(n/a)	(n/a)	Id						
	Table is referenced by foreign key												
1	JobPortal.dbo.AspNetUsers: FK_AspNetUsers_JobRole...												
2	JobPortal.dbo.Jobs: FK_Jobs_JobRoles_JobRoleId												

17.Jobs

	Name	Owner	Type	Created_datetime						
1	Jobs	dbo	user table	2024-04-06 18:28:50.580						
1	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
1	Id	int	no	4	10	0	no	(n/a)	(n/a)	NULL
2	Responsibilities	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
3	RequiredExperience	int	no	4	10	0	no	(n/a)	(n/a)	NULL
4	IsWorkFromHome	bit	no	1			no	(n/a)	(n/a)	NULL
5	Budget	int	no	4	10	0	no	(n/a)	(n/a)	NULL
6	IsActive	bit	no	1			no	(n/a)	(n/a)	NULL
7	AddDate	datetime2	no	8	27	7	no	(n/a)	(n/a)	NULL
8	LastDateToApply	datetime2	no	8	27	7	no	(n/a)	(n/a)	NULL
9	JobProviderId	nvarchar	no	900			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
10	CompanyId	int	no	4	10	0	no	(n/a)	(n/a)	NULL
11	IsPermanent	bit	no	1			no	(n/a)	(n/a)	NULL
12	JobRoleId	int	no	4	10	0	no	(n/a)	(n/a)	NULL
13	JobTypeid	int	no	4	10	0	yes	(n/a)	(n/a)	NULL
14	CityId	int	no	4	10	0	no	(n/a)	(n/a)	NULL
	Identity	Seed	Increment	Not For Replication						
1	Id	1	1	0						
	RowGuidCol									
1	No rowguidcol column defined.									
	Data_located_on_filegroup									
1	PRIMARY									
	index_name	index_description			index_keys					
1	IX_Jobs_CityId	nonclustered located on PRIMARY			CityId					
2	IX_Jobs_CompanyId	nonclustered located on PRIMARY			CompanyId					

18.JobSeekerEducations

Online Job Portal

1	Name	Owner	Type	Created_datetime						
1	JobSeekerEducations	dbo	user table	2024-04-06 18:28:50.597						
1	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
1	Id	int	no	4	10	0	no	(n/a)	(n/a)	NULL
2	CollageName	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
3	Cgpa	int	no	4	10	0	no	(n/a)	(n/a)	NULL
4	StartDate	datetime2	no	8	27	7	no	(n/a)	(n/a)	NULL
5	CompletionDate	datetime2	no	8	27	7	no	(n/a)	(n/a)	NULL
6	EduLevel	int	no	4	10	0	no	(n/a)	(n/a)	NULL
7	CVId	int	no	4	10	0	no	(n/a)	(n/a)	NULL
1	Identity	Seed	Increment	Not For Replication						
1	Id	1	1	0						
1	RowGuidCol									
1	No rowguidcol column defined.									
1	Data_located_on_filegroup									
1	PRIMARY									
1	index_name	index_description			index_keys					
1	IX_JobSeekerEducations_CVId	nonclustered located on PRIMARY			CVId					
2	PK_JobSeekerEducations	clustered, unique, primary key located on PRIMARY			Id					
1	constraint_type	constraint_name			delete_action	update_action	status_enabled	status_for_replication	constraint_keys	
1	DEFAULT on column CVId	DF__JobSeekerE__CVId_01142BA1			(n/a)	(n/a)	(n/a)	(n/a)	((0))	
2	FOREIGN KEY	FK_JobSeekerEducations_CVs_CVId			Cascade	No Action	Enabled	Is_For_Replication	CVId	
3									REFERENCE...	
4	PRIMARY KEY (clustered)	PK_JobSeekerEducations			(n/a)	(n/a)	(n/a)	(n/a)	Id	

19.JobSkills

1	Name	Owner	Type	Created_datetime						
1	JobSkills	dbo	user table	2024-04-06 18:28:50.603						
1	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
1	JobId	int	no	4	10	0	no	(n/a)	(n/a)	NULL
2	SkillId	int	no	4	10	0	no	(n/a)	(n/a)	NULL
1	Identity	Seed	Increment	Not For Replication						
1	No identity column defined.	NULL	NULL	NULL						
1	RowGuidCol									
1	No rowguidcol column defined.									
1	Data_located_on_filegroup									
1	PRIMARY									
1	index_name	index_description			index_keys					
1	IX_JobSkills_SkillId	nonclustered located on PRIMARY			SkillId					
2	PK_JobSkills	clustered, unique, primary key located on PRIMARY			JobId, SkillId					
1	constraint_type	constraint_name			delete_action	update_action	status_enabled	status_for_replication	constraint_keys	
1	FOREIGN KEY	FK_JobSkills_Jobs_JobId			Cascade	No Action	Enabled	Is_For_Replication	JobId	
2									REFERENCES JobPortal.dbo.Jobs (Id)	
3	FOREIGN KEY	FK_JobSkills_Skills_SkillId			Cascade	No Action	Enabled	Is_For_Replication	SkillId	
4									REFERENCES JobPortal.dbo.Skills (...)	
5	PRIMARY K...	PK_JobSkills			(n/a)	(n/a)	(n/a)	(n/a)	JobId, SkillId	

20.JobTypes

Online Job Portal

	Name	Owner	Type	Created_datetime															
1	JobTypes	dbo	user table	2024-04-06 18:28:50.610															
	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation									
1	Id	int	no	4	10	0	no	(n/a)	(n/a)	NULL									
2	Type	nvarchar	no	200			no	(n/a)	(n/a)	SQL_Latin1_General_CI_AS									
3	JobKeyWord	nvarchar	no	200			no	(n/a)	(n/a)	SQL_Latin1_General_CI_AS									
	Identity	Seed	Increment	Not For Replication															
1	Id	1	1	0															
	RowGuidCol																		
1	No rowguidcol column defined.																		
	Data_located_on_filegroup																		
1	PRIMARY																		
	index_name	index_description	index_keys																
1	PK_JobTypes	clustered, unique, primary key located on PRIMARY	Id																
	constraint_type	constraint_name	delete_action	update_action	status_enabled	status_for_replication	constraint_keys												
1	PRIMARY KEY (clustered)	PK_JobTypes	(n/a)	(n/a)	(n/a)	(n/a)	Id												
	Table is referenced by foreign key																		
1	JobPortal.dbo.Jobs: FK_Jobs_JobTypes_JobTypeld																		

21. Messages

	Name	Owner	Type	Created_datetime															
1	Messages	dbo	user table	2024-04-06 18:28:50.613															
	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation									
1	Id	int	no	4	10	0	no	(n/a)	(n/a)	NULL									
2	Text	nvarchar	no	-1			no	(n/a)	(n/a)	SQL_Latin1_General_CI_AS									
3	SenderId	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS									
4	ReceiverId	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS									
5	SendDate	datetime2	no	8	27	7	no	(n/a)	(n/a)	NULL									
	Identity	Seed	Increment	Not For Replication															
1	Id	1	1	0															
	RowGuidCol																		
1	No rowguidcol column defined.																		
	Data_located_on_filegroup																		
1	PRIMARY																		
	index_name	index_description	index_keys																
1	PK_Messages	clustered, unique, primary key located on PRIMARY	Id																
	constraint_type	constraint_name	delete_action	update_action	status_enabled	status_for_replication	constraint_keys												
1	PRIMARY KEY (clustered)	PK_Messages	(n/a)	(n/a)	(n/a)	(n/a)	Id												

22. Skills

Online Job Portal

	Name	Owner	Type	Created_datetime						
1	Skills	dbo	user table	2024-04-06 18:28:50.617						
1	Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
1	Id	int	no	4	10	0	no	(n/a)	(n/a)	NULL
2	SkillName	nvarchar	no	-1			yes	(n/a)	(n/a)	SQL_Latin1_General_CI_AS
1	Identity	Seed	Increment	Not For Replication						
1	Id	1	1	0						
1	RowGuidCol									
1	No rowguidcol column defined.									
1	Data_located_on_filegroup									
1	PRIMARY									
1	index_name	index_description			index_keys					
1	PK_Skills	clustered, unique, primary key located on PRIMARY			Id					
1	constraint_type	constraint_name	delete_action	update_action	status_enabled	status_for_replication	constraint_keys			
1	PRIMARY KEY (clustered)	PK_Skills	(n/a)	(n/a)	(n/a)	(n/a)	Id			
1	Table is referenced by foreign key									
1	JobPortal.dbo.CVSkillSets: FK_CVSkillSets_Skills_SkillId									
2	JobPortal.dbo.JobSkills: FK_JobSkills_Skills_SkillId									

23.

7.5 ScreenShots

1. Home Page

Explore By Category

 Design & Creative 0 Vacancy	 Marketing 16 Vacancy	 Customer Service 15 Vacancy	 Human Resource 26 Vacancy
 Project Management 11 Vacancy	 Business Development 16 Vacancy	 Sales & Communication 12 Vacancy	 Teaching & Education 12 Vacancy

Top Job Listing

[Featured](#) [Permanent](#) [Contractual](#)

	Marketing Specialist <i>Jalpur</i>	 Job Detail <small>Date Line: 06 Apr,2024</small>
	Data Analyst <i>Nagpur</i>	 Job Detail <small>Date Line: 06 Apr,2024</small>
	Sales Representative <i>Indore</i>	 Job Detail <small>Date Line: 06 Apr,2024</small>
	Data Analyst <i>Hyderabad</i>	 Job Detail <small>Date Line: 06 Apr,2024</small>
	Financial Analyst <i>Vadodara</i>	 Job Detail <small>Date Line: 06 Apr,2024</small>

Company

- > [About Us](#)
- > [Contact Us](#)
- > [Privacy Policy](#)

Contact

E-403 Ambika Heaven, Dindoli, Surat (Gu)
 +91 8511671400
 Saraswat.g811@gmail.com

Newsletter

Experience the latest insights, trends, and opportunities in your inbox.

[SignUp](#)

2. Privacy Policy

Job Portal

Our Privacy Policy

We are committed to safeguarding your privacy. This Privacy Policy outlines how we collect, use, and protect your personal information.

- ✓ Your privacy is our priority.
- ✓ We collect only necessary information for specific purposes.
- ✓ We employ industry-standard security measures to protect your data.

[Learn More](#)

Company

- > About Us
- > Contact Us
- > Privacy Policy

Contact

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+91 8511871400
Saraswat.g811@gmail.com

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Experience the latest insights, trends, and opportunities in your inbox.

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24. 3. Contact Us

Job Portal

Contact For Any Query

The contact form is currently inactive.

Your Name Your Email
 Subject
 Message

[Send Message](#)

Company

- > About Us
- > Contact Us
- > Privacy Policy

Contact

E-403 Ambika Heaven, Dindoli, Surat (Guj)
+91 8511871400
Saraswat.g811@gmail.com

[Twitter](#) [Facebook](#) [YouTube](#) [LinkedIn](#)

Newsletter

Experience the latest insights, trends, and opportunities in your inbox.

Your email [SignUp](#)

4. About Us

The screenshot shows the 'About Us' section of the website. At the top, there is a navigation bar with links for HOME, ABOUT, JOBS, and CONTACT, along with a 'Log In' button. Below the navigation, the page title 'Job Portal' is displayed in green. The main content area features three images: one showing a group of professionals standing together, another showing people working at desks, and a third showing a group of people in a meeting. To the right of these images, the text 'We Help To Get The Best Job And Find A Talent' is written in bold. Below this, a smaller text states: 'We assist individuals in securing top-notch employment opportunities and discovering exceptional talents.' A bulleted list follows, each item preceded by a green checkmark: 'Job search assistance and guidance.', 'Talent scouting and recruitment.', and 'Personalized career development strategies.' A 'Read More' button is located at the bottom of this section. At the very bottom of the page, there is a footer with sections for 'Company', 'Contact', and 'Newsletter'. The 'Company' section includes links for About Us, Contact Us, and Privacy Policy. The 'Contact' section provides address (E-403 Ambika Heaven, Dindoli, Surat (Gu)), phone number (+91 8511871400), and email (Saraswat.g811@gmail.com). It also includes social media icons for Twitter, Facebook, YouTube, and LinkedIn. The 'Newsletter' section encourages users to experience the latest insights and trends, with a text input field for 'Your email' and a 'SignUp' button.

5. Login

The screenshot shows the login interface for the 'Job Portal'. The page has a light blue header with the 'Job Portal' logo. Below the header is a white login form titled 'Login to Your Account' with the sub-instruction 'Enter your username & password to login'. The form contains two input fields: 'Username' and 'Password', both with placeholder text. Below the password field is a 'Remember Me' checkbox and a 'Forgot Password?' link. At the bottom of the form is a large blue 'Login' button. Below the button are two small links: 'Don't have account?' and 'Create an account'.

6. Admin Dashboard

The screenshot shows the Admin Dashboard of the Online Job Portal. On the left is a sidebar with navigation links: Dashboard, Manage Users, Manage Jobs, Manage Roles, Manage Job Role, Manage Skills, Manage City, Manage Company, Manage Business Type, and My Profile. The main area has a search bar at the top. Below it is a 'Dashboard' section with 'JobProvider' (13) and 'JobSeeker' (17). Under 'Jobs', there are boxes for 'Total Posted Jobs' (152) and 'Total Applied Jobs' (130). Under 'Job Application', there are boxes for 'Accepted' (5), 'Hired' (1), 'Rejected' (2), and 'Waiting' (122). At the bottom, a footer bar says '© Copyright Job Portal. All Rights Reserved'.

7. Manage Users

The screenshot shows the 'Manage Users' page. The sidebar includes the same navigation links as the dashboard. The main content features a table with columns: Name, Email, Mobile, Company, Role, IsBlocked, and Actions (Edit and Delete). The table lists 10 entries from a total of 30. The footer shows 'Showing 1 to 10 of 30 entries' and a page navigation bar.

Name	Email	Mobile	Company	Role	IsBlocked	Actions
Andrew	andrew@gmail.com	7484537264	Sterling Health	JobSeeker	false	Edit Delete
Benjamin	benjamin@gmail.com	7443097656	Smith & Sons Corpo	JobSeeker	false	Edit Delete
Brows	brows@gmail.com	8221394115	Urban Synthesis	JobSeeker	false	Edit Delete
Bruno Mars	bruno@gmail.com	9827399589	TeleCom Inc.	JobSeeker	false	Edit Delete
Casper	casper@gmail.com	7883775560	Crystal Clear Corporation	JobProvider	false	Edit Delete
Catalina	catalina@gmail.com	9640276620	TeleCom Inc.	JobSeeker	false	Edit Delete
Charlie	charlie@gmail.com	9921744931	Acme Corporation	JobSeeker	false	Edit Delete
Crist	crist@gmail.com	9073473621	Quantum Solutions	JobProvider	false	Edit Delete
Elis	elis@gmail.com	8002740367	B-Link Telecommunication	JobProvider	false	Edit Delete
Emily	emily@gmail.com	8748577348	Glycon Inc.	JobSeeker	false	Edit Delete

8. Manage Jobs

List Jobs

Sr.	JobTitle	RequiredExperience	Budget	IsActive	LastDateToApply	
1	Software Engineer	3	50000	True	22/04/2024 00:00:00	Edit Details Delete
2	Software Engineer	4	60000	True	22/04/2024 00:00:00	Edit Details Delete
3	Data Analyst	3	20370	True	21/04/2024 00:00:00	Edit Details Delete
4	Sales Representative	2	10024	True	21/04/2024 00:00:00	Edit Details Delete
5	Financial Analyst	4	37092	True	21/04/2024 00:00:00	Edit Details Delete
6	Customer Service Representative	2	40131	True	21/04/2024 00:00:00	Edit Details Delete
7	Quality Assurance Tester	1	10725	True	21/04/2024 00:00:00	Edit Details Delete
8	Financial Analyst	1	16729	True	21/04/2024 00:00:00	Edit Details Delete
9	Sales Representative	1	24452	True	21/04/2024 00:00:00	Edit Details Delete
10	Graphic Designer	2	22487	True	21/04/2024 00:00:00	Edit Details Delete

[1](#) [2](#) [3](#) [4](#) [5](#) [Next](#)
[End](#)

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9. Edit Job

Edit Job

Job Profile	Software Engineer	Company	Smith & Sons Corp
RequiredExperience	3 Year	Budget	50000
IsWorkFromHome	Yes	IsPermanent	Yes
Location	Mumbai	JobType	Information & Technology
Last Date To Apply	22/04/2024	Job Post Date	07/04/2024
SelectedSkills	----Select Skill---- JavaScript HTML CSS Python	Responsibilities	Demo responsibilities test

[Post Job](#) [Reset Form](#) [Cancel](#)

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10. Manage Roles

The screenshot shows the 'All Roles' page of the Online Job Portal. On the left is a sidebar with navigation links: Dashboard, Manage Users, Manage Jobs, **Manage Roles**, Manage Job Role, Manage Skills, Manage City, Manage Company, Manage Business Type, and My Profile. The main content area is titled 'All Roles' and contains three entries:

- Role Id : 33a08d99-29f3-4905-bcd3-aa5bb1dd1c5b**
JobProvider
[Edit](#) [Delete](#)
- Role Id : 8f73d0ce-b206-4739-a9d6-8a7ba700df38**
JobSeeker
[Edit](#) [Delete](#)
- Role Id : 9cde4075-24d7-4683-8b42-646587278b39**
Admin
[Edit](#) [Delete](#)

At the bottom right of the content area, it says '© Copyright Job Portal. All Rights Reserved'.

11. Create Role

The screenshot shows the 'Create Role' page of the Online Job Portal. The sidebar on the left is identical to the one in the previous screenshot. The main content area is titled 'Role' and contains a single input field labeled 'Role Name' and a blue 'Create Role' button. At the bottom right of the content area, it says '© Copyright Job Portal. All Rights Reserved'.

12. Manage Job Roles

The screenshot shows the 'Manage Job Role' section of the portal. On the left is a sidebar with navigation links. The main area has a title 'Manage Job Role' and a sub-title 'Home / Manage Job Role'. A table lists 10 job roles with columns for Id, Job Title, and Actions (Edit and Delete). A search bar and pagination controls are at the bottom.

Id	Job Title	Actions
1	Software Engineer	Edit Delete
2	Project Manager	Edit Delete
3	Graphic Designer	Edit Delete
4	Marketing Specialist	Edit Delete
5	Human Resources Manager	Edit Delete
6	Data Analyst	Edit Delete
7	Sales Representative	Edit Delete
8	Financial Analyst	Edit Delete
9	Customer Service Representative	Edit Delete
10	Quality Assurance Tester	Edit Delete

Showing 1 to 10 of 10 entries (filtered from 20 total entries)

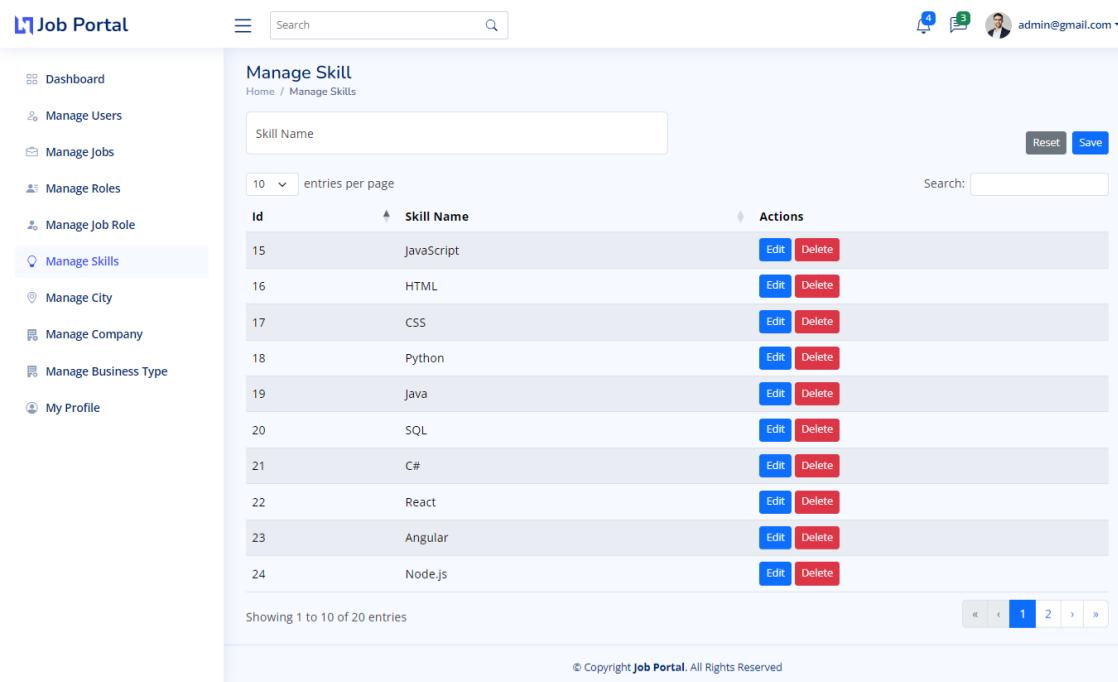
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13. Add Job Role

The screenshot shows the 'Add Job Role' dialog box over a background of the 'Manage Job Role' list. The dialog has fields for 'Job Title' and 'Description', and buttons for 'Reset' and 'Save'. The background list shows 10 job roles with edit and delete actions.

Id	Job Title	Actions
1	Software Engineer	Edit Delete
2	Project Manager	Edit Delete
3	Graphic Designer	Edit Delete
4	Marketing Specialist	Edit Delete
5	Human Resources Manager	Edit Delete
6	Data Analyst	Edit Delete
7	Sales Representative	Edit Delete
8	Financial Analyst	Edit Delete
9	Customer Service Representative	Edit Delete
10	Quality Assurance Tester	Edit Delete

14. Manage Skills



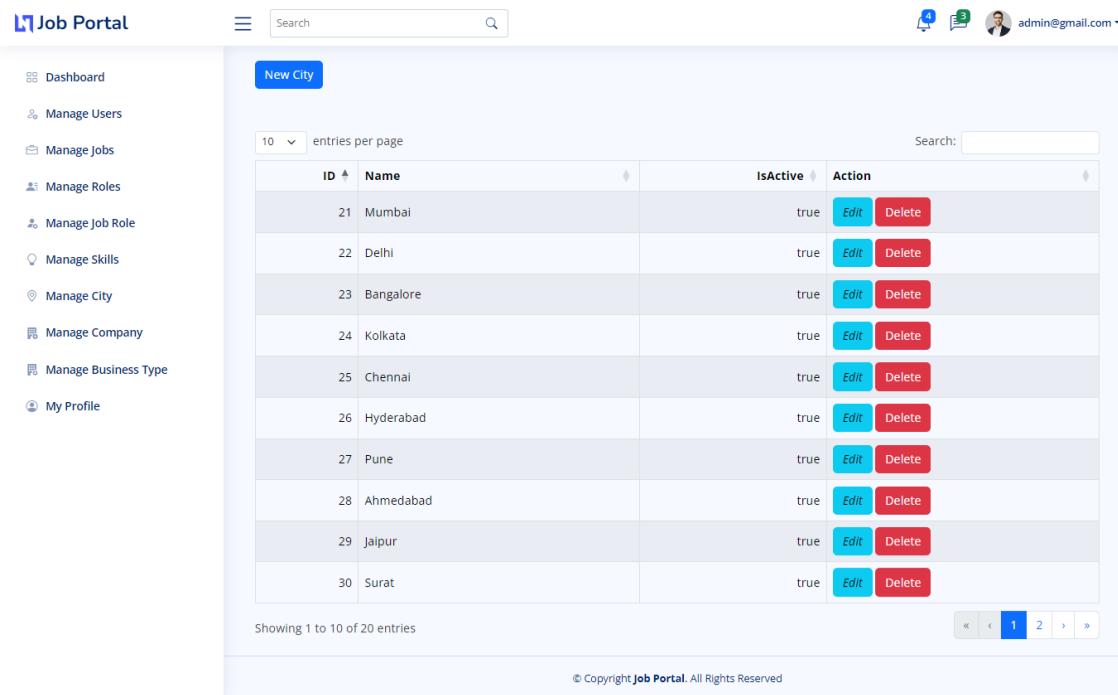
The screenshot shows the 'Manage Skill' page of the Job Portal. On the left is a sidebar with navigation links. The main area has a search bar and a table listing skills. Each skill row includes an 'Edit' button and a 'Delete' button.

ID	Skill Name	Actions
15	JavaScript	Edit Delete
16	HTML	Edit Delete
17	CSS	Edit Delete
18	Python	Edit Delete
19	Java	Edit Delete
20	SQL	Edit Delete
21	C#	Edit Delete
22	React	Edit Delete
23	Angular	Edit Delete
24	Node.js	Edit Delete

Showing 1 to 10 of 20 entries

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15. Manage City



The screenshot shows the 'New City' page of the Job Portal. On the left is a sidebar with navigation links. The main area has a search bar and a table listing cities. Each city row includes an 'Edit' button and a 'Delete' button.

ID	Name	IsActive	Action
21	Mumbai	true	Edit Delete
22	Delhi	true	Edit Delete
23	Bangalore	true	Edit Delete
24	Kolkata	true	Edit Delete
25	Chennai	true	Edit Delete
26	Hyderabad	true	Edit Delete
27	Pune	true	Edit Delete
28	Ahmedabad	true	Edit Delete
29	Jaipur	true	Edit Delete
30	Surat	true	Edit Delete

Showing 1 to 10 of 20 entries

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16. Edit City

The screenshot shows a modal dialog titled "Edit" over a list of cities. The modal contains fields for "CityName" (Mumbai) and a checked checkbox for "IsActive". A "Save" button is at the bottom. The background list shows 10 cities from 22 to 31, each with "Edit" and "Delete" buttons.

ID	City Name	Active	Action
22	Delhi	true	Edit Delete
23	Bangalore	true	Edit Delete
24	Kolkata	true	Edit Delete
25	Chennai	true	Edit Delete
26	Hyderabad	true	Edit Delete
27	Pune	true	Edit Delete
28	Ahmedabad	true	Edit Delete

17. Manage Company

The screenshot shows a table of companies with columns: Id, Logo, Name, Employees, Email, Type, State, City, and Actions (Edit, Delete). The table lists 15 companies from 6 to 20. An "Add" dialog is open in the top left corner.

ID	Logo	Name	Employees	Email	Type	State	City	Action
6		Acme Corporation	5	acme@gmail.com	Real Estate	Rajasthan	Jaipur	<button>Edit</button> <button>Delete</button>
7		Smith & Sons Corp	6	smsc@gmail.com	Non-profit	Gujarat	Ahmedabad	<button>Edit</button> <button>Delete</button>
8		Global Solutions Inc.	20	globalsol@gmail.com	Energy	Maharashtra	Pune	<button>Edit</button> <button>Delete</button>
9		Prime Agro	40	primeagro@gmail.com	Agriculture	Karnataka	Bangalore	<button>Edit</button> <button>Delete</button>
10		Starlight Holdings	56	sth@gmail.com	Construction	Telangana	Hyderabad	<button>Edit</button> <button>Delete</button>
11		Quantum Solutions	65	qunt@gmail.com	Information Technology	Maharashtra	Pimpri-Chinchwad	<button>Edit</button> <button>Delete</button>
12		FedEx	67	fedex@gmail.com	Transportation	Tamilnadu	Chennai	<button>Edit</button> <button>Delete</button>
13		Crystal Clear Corporation	65	crystal@gmail.com	Government	Gujarat	Vadodara	<button>Edit</button> <button>Delete</button>
14		Horizon Industries	69	horizon@gmail.com	Automotive	Karnataka	Visakhapatnam	<button>Edit</button> <button>Delete</button>
15		Glycon Inc.	100	gly@gmail.com	Pharmaceutical	Gujarat	Surat	<button>Edit</button> <button>Delete</button>

Showing 1 to 10 of 15 entries

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18. Edit Company

State	City	Actions
Rajasthan	Jaipur	Edit Delete
Gujarat	Ahmedabad	Edit Delete
Maharashtra	Pune	Edit Delete
Karnataka	Bangalore	Edit Delete
Telangana	Hyderabad	Edit Delete
Maharashtra	Pimpri-Chinchwad	Edit Delete
Tamilnadu	Chennai	Edit Delete
Gujarat	Vadodara	Edit Delete
Karnataka	Visakhapatnam	Edit Delete
Gujarat	Surat	Edit Delete

19. Delete Company

Id	Logo	Name	Employees	Email	Type	State	City	Actions
6		Acme Corporation	5	acme@gmail.com	Real Estate	Rajasthan	Jaipur	Edit Delete
7		Smith & Sons Corp	10	smithsons@gmail.com	Manufacturing	Gujarat	Ahmedabad	Edit Delete
8		Global Solutions Inc.	15	global.solutions@gmail.com	Information Technology	Maharashtra	Pune	Edit Delete
9		Prime Agro	20	prime.agro@gmail.com	Agriculture	Karnataka	Bangalore	Edit Delete
10		Starlight Holdings	25	starlight.holdings@gmail.com	Construction	Telangana	Hyderabad	Edit Delete
11		Quantum Solutions	30	quantum.solutions@gmail.com	Information Technology	Maharashtra	Pimpri-Chinchwad	Edit Delete
12		FedEx	35	fedex@gmail.com	Transportation	Tamilnadu	Chennai	Edit Delete
13		Crystal Clear Corporation	40	crystal.clear.corporation@gmail.com	Government	Gujarat	Vadodara	Edit Delete
14		Horizon Industries	45	horizon.industries@gmail.com	Automotive	Karnataka	Visakhapatnam	Edit Delete
15		Glycon Inc.	50	glyconinc@gmail.com	Pharmaceutical	Gujarat	Surat	Edit Delete

20. Manage Business Type

The screenshot shows the 'Manage Business Type' section of the Job Portal. On the left is a sidebar with navigation links: Dashboard, Manage Users, Manage Jobs, Manage Roles, Manage Job Role, Manage Skills, Manage City, Manage Company, Manage Business Type, and My Profile. The main area has a search bar at the top. Below it is a table titled 'Business Type' with columns for 'Id' and 'Business Type'. Each row contains an 'Edit' button and a 'Delete' button. The table shows 10 entries from 1 to 10, with a total of 20 entries. At the bottom, there is a copyright notice and a navigation bar with pages 1, 2, and 3.

Id	Business Type	Actions	
		Edit	Delete
1	Information Technology	Edit	Delete
2	Finance	Edit	Delete
3	Healthcare	Edit	Delete
4	Manufacturing	Edit	Delete
5	Retail	Edit	Delete
6	Education	Edit	Delete
7	Hospitality	Edit	Delete
8	Construction	Edit	Delete
9	Automotive	Edit	Delete
10	Telecommunications	Edit	Delete

21. Job Provider Dashboard

The screenshot shows the 'Dashboard (JobProvider)' section of the Job Portal. On the left is a sidebar with navigation links: Dashboard, Manage Jobs, Applications, and My Profile. The main area has a search bar at the top. Below it is a section titled 'Jobs' with two boxes: 'Total Posted Jobs' (50) and 'Total Applied Jobs' (34). Below that is a section titled 'Job Application' with four boxes: 'Accepted' (1), 'Hired' (1), 'Rejected' (1), and 'Waiting' (31).

Online Job Portal

22. List Jobs (Posted by current logged in Job Provider)

The screenshot shows the 'List Jobs' page of the Job Portal. On the left, there's a sidebar with links for Dashboard, Manage Jobs (which is highlighted in blue), Applications, and My Profile. The main area has a search bar and a 'Create Job' button. Below is a table with columns: Sr., JobTitle, RequiredExperience, Budget, IsActive, and LastDateToApply. Each row contains a set of 'Edit', 'Details', and 'Delete' buttons. At the bottom, there are navigation links for pages 1 through 5, 'Next', and 'End'.

Sr.	JobTitle	RequiredExperience	Budget	IsActive	LastDateToApply
1	Software Engineer	3	50000	✓	22/04/2024 00:00:00
2	Software Engineer	4	60000	✓	22/04/2024 00:00:00
3	Sales Representative	1	24452	✓	21/04/2024 00:00:00
4	Graphic Designer	2	22487	✓	21/04/2024 00:00:00
5	Graphic Designer	4	39292	✓	21/04/2024 00:00:00
6	Sales Representative	1	36261	✓	21/04/2024 00:00:00
7	Graphic Designer	4	40054	✓	21/04/2024 00:00:00
8	Sales Representative	1	18999	✓	21/04/2024 00:00:00
9	Software Engineer	3	46292	✓	21/04/2024 00:00:00
10	Project Manager	2	38104	✓	21/04/2024 00:00:00

23. Create new Job

The screenshot shows the 'Create new Job' form. The sidebar is identical to the previous page. The main form has sections for Job Profile (Job Title dropdown, RequiredExperience dropdown, IsWorkFromHome dropdown, Location dropdown, Last Date To Apply date input, SelectedSkills dropdown), Company (Company dropdown, Budget input, IsPermanent dropdown, JobType dropdown, Job Post Date date input, Responsibilities text area), and a footer with 'Post Job', 'Reset Form', and 'Cancel' buttons. A copyright notice at the bottom reads '© Copyright Job Portal. All Rights Reserved'.

24. Edit Posted Job (Only whichever is posted by current logged in job provider)

Job Profile

Software Engineer

Company

Smith & Sons Corp

RequiredExperience

3 Year

Budget

50000

IsWorkFromHome

Yes

IsPermanent

Yes

Location

Mumbai

JobTypeid

Information & Technology

Last Date To Apply

22/04/2024

Job Post Date

07/04/2024

SelectedSkills

HTML
CSS
Python
Java
SQL

Responsibilities

Demo responsibilities test

Post Job | **Reset Form** | **Cancel**

25. Applications (Job Application on jobs posted by current logged in job provider)

Entries per page: 10

Search:

ID	Job Title	Status	ApplyDate	Seeker Name	Photo	Actions
419	Customer Service Representative	Accepted	06 Apr, 2024	Jasper		Hire Reject Details
442	Marketing Specialist	Accepted	06 Apr, 2024	Kelvis		Hire Reject Details
445	Marketing Specialist	Hired	06 Apr, 2024	Steeve		Details
447	Graphic Designer	Waiting	06 Apr, 2024	George		Accept Reject Details
449	Customer Service Representative	Waiting	06 Apr, 2024	admin		Accept Reject Details
451	Graphic Designer	Hired	06 Apr, 2024	Test Anderson		Details
452	Project Manager	Waiting	06 Apr, 2024	Bruno Mars		Accept Reject Details
458	Graphic Designer	Rejected	06 Apr, 2024	Bruno Mars		
461	Customer Service Representative	Waiting	06 Apr, 2024	Bruno Mars		Accept Reject Details
463	Graphic Designer	Rejected	06 Apr, 2024	Bruno Mars		

Showing 21 to 30 of 34 entries

« ‹ 1 2 3 4 › »

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26. Details (View profile of applicant)

The screenshot shows the 'Profile' page for 'Test Anderson'. The top navigation bar includes a 'Job Portal' logo, a search bar, and a user icon for 'Steeve'. The left sidebar has links for 'Dashboard', 'Manage Jobs', 'Applications', and 'My Profile'. The main content area displays the user's profile picture, name ('Test Anderson'), title ('Financial Analyst'), and social media links. Below this are sections for 'About' (with a note 'Test'), 'Profile Details' (including Full Name, Date Of Birth, Language, Company, Job, City, Address, Phone, Email, and Skills), 'Experiences' (listing a current job at 'Test Pvt Ltd' from 2022-01-26 to 2024-03-26), and 'Educations' (listing a degree from 'University of ABC' from 2015-09-01 to 2019-05-30). A 'DOWNLOAD CV' button is located in the top right corner of the profile section.

27. Job Seeker Dashboard

The screenshot shows the 'Dashboard (JobSeeker)' page. The top navigation bar includes a 'Job Portal' logo, a search bar, and a user icon for 'Bruno@123'. The left sidebar has links for 'Dashboard', 'Search Jobs', 'Applied Jobs', 'Bookmarked Jobs', and 'My Profile'. The main content area features a 'Jobs' section with boxes for 'Total Bookmarked Jobs' (1) and 'Total Applied Jobs' (39). Below this is a 'Job Application' section with four categories: 'Accepted' (2), 'Hired' (0), 'Rejected' (2), and 'Waiting' (35). A copyright notice '© Copyright Job Portal. All Rights Reserved' is at the bottom of the dashboard area.

28. Search Jobs (With option to bookmark, apply and message)

The screenshot shows the 'Search Jobs' page of the 'Job Portal'. The left sidebar includes links for Dashboard, Search Jobs, Applied Jobs, Bookmarked Jobs, and My Profile. The main area has a search bar and filters for Job Profile, Company, City, Experience, Budget, Skills, Permanent status, and WFH. Below the filters, a section titled 'Available Jobs For You:' displays six job listings in a grid. Each listing includes a title, company name, location, experience required, budget, work from home status, last date to apply, permanent position, and an 'Apply' button.

Job Title	Company	Location	Experience Required	Budget	Work From Home	Last Date to Apply	Permanent Position
Marketing Specialist	Smith & Sons Corp		1	\$34286	Yes	21/04/2024	No
Data Analyst	Global Solutions Inc.		1	\$43407	Yes	21/04/2024	Yes
Sales Representative	Prime Agro		1	\$25377	Yes	21/04/2024	No
Data Analyst	Starlight Holdings		1	\$51840	Yes	21/04/2024	Yes
Financial Analyst	Quantum Solutions		1	\$24087	Yes	21/04/2024	Yes
Software Engineer	FedEx		1	\$29450	Yes	21/04/2024	No

29. Search Job (With Filter)

The screenshot shows the 'Search Jobs' page with a specific filter applied: 'Software Engineer' in the Job Profile dropdown. The rest of the filters are set to their default values. The results show two identical job listings for 'Software Engineer' at 'Horizon Industries'.

Job Title	Company	Location	Experience Required	Budget	Work From Home	Last Date to Apply	Permanent Position
Software Engineer	Horizon Industries		1	\$31560	Yes	21/04/2024	No
Software Engineer	Horizon Industries		1	\$18186	Yes	21/04/2024	Yes

30. Applied Jobs

The screenshot shows the 'Applied Jobs' section of the Job Portal. On the left is a sidebar with navigation links: Dashboard, Search Jobs, Applied Jobs (which is selected and highlighted in blue), Bookmarked Jobs, and My Profile. The main area has a search bar at the top. Below it, the title 'Applied Jobs' is displayed along with a breadcrumb trail: Home / Profile. The page lists several job applications in a grid format:

- Graphic Designer** (Glycon Inc.)
- Financial Analyst** (Urban Synthesis)
- Marketing Specialist** (TeleCom Inc.)
- Data Analyst** (Horizon Industries)
- Sales Representative** (Smith & Sons Corp)
- Project Manager** (Smith & Sons Corp)
- Financial Analyst** (Urban Synthesis)
- Data Analyst** (Sterling Health)
- Marketing Specialist** (Urban Synthesis)

Each job listing includes details like company name, location, experience required, budget, work from home status, last date to apply, and permanent position. There are also two circular icons next to each job title.

31. Bookmarked Jobs

The screenshot shows the 'Bookmarked Jobs' section of the Job Portal. The sidebar and header are identical to the 'Applied Jobs' section. The main area has a search bar at the top. Below it, the title 'Bookmarked Jobs' is displayed along with a breadcrumb trail: Home / Profile. The page lists one bookmarked job:

- Marketing Specialist** (Smith & Sons Corp)

This listing includes details like company name, location, experience required, budget, work from home status, last date to apply, and permanent position. There are also two circular icons next to the job title. At the bottom of the page, a copyright notice reads: © Copyright Job Portal. All Rights Reserved.

32. My Profile

Job Portal
☰
Search
🔍

Bruno@123

Dashboard

Search Jobs

Applied Jobs

Bookmarked Jobs

My Profile

Profile

Home / Profile

Bruno Mars
 Project Manager

[Twitter](#)
[Facebook](#)
[Instagram](#)
[LinkedIn](#)

Overview

About

I am a passionate developer with more than 3 years of experience.

Profile Details

Full Name	Bruno Mars
Date Of Birth	1992-06-12
Language	English
Company	
Job	Project Manager
City	Kanpur
Address	108, shreya heights.Kanpur (UP)
Phone	9827399589
Email	bruno@gmail.com
Skills	C# Angular Communication Problem Solving

Experiences

Infosys (Current)	Start Date: 2021-11-01 End Date: 0001-01-01 job: software engineer
Teamopine Inc	Start Date: 2018-04-01 End Date: 2021-10-30 job: Software Developer

Educations

IIT Mumbai	Start Date: 2014-04-01 Completion Date: 2018-03-31 CGPA: 9 Education Level: Master
IIIT Ahmedabad	Start Date: 2011-01-01 Completion Date: 2014-03-31 CGPA: 8 Education Level: Graduation

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33. Edit Profile

Job Portal

Profile

Bruno Mars
Project Manager

Overview Edit Profile Educations Experiences Change Password

Profile Image

Name: First Name Bruno, Last Name Mars

Date Of Birth: 12/06/1992

About: I am a passionate developer with more than 5 years of experience.

Company: Choose a Company

Job: Project Manager

Language: English

Skills: Angular, C#, Communication, Problem Solving

City: Kanpur

Address: 108, shreya heights, Kanpur (UP)

Phone: 9827399589

Email: bruno@gmail.com

Twitter Profile: <https://twitter.com/#>

Facebook Profile: <https://facebook.com/#>

Instagram Profile: <https://instagram.com/#>

LinkedIn Profile: <https://linkedin.com/#>

Save Changes

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34. Profile -> My Educations

Job Portal

Profile

Bruno Mars
Project Manager

Overview Edit Profile Educations Experiences Change Password

My Educations

IIT Mumbai	Add Education	IIIT Ahmedabad
CGPA: 9		CGPA: 8
Start Date: 01/04/2014		Start Date: 01/01/2011
Completion Date: 31/03/2018		Completion Date: 31/03/2014
Education Level: Master		Education Level: Graduation

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35. Profile -> Add Education

The screenshot shows the 'Add Education' modal window. It contains the following fields:

- College / School Name: A text input field.
- CGPA: A text input field.
- Start Date: A date picker input field.
- Completion Date: A date picker input field.
- Education Level: A dropdown menu with the placeholder '-- Select Education Level --'.
- Save and Reset buttons: Located at the bottom of the modal.

Below the modal, the user's profile summary is visible, showing education details: Start Date: 01/01/2011, Completion Date: 31/03/2014, Education Level: Master, and Education Level: Graduation.

36. Change Password

The screenshot shows the 'Change Password' section of the profile. It includes the following fields:

- Current Password: An input field.
- New Password: An input field.
- Re-enter New Password: An input field.
- Change Password button: A blue button located below the input fields.

37. Profile -> My Experiences

The screenshot shows the 'Experiences' section of the profile. It displays two entries:

- software engineer** at **Company: Infosys** from **Start Date: 01/11/2021** to **End Date: 01/01/0001**. The status is **Current Job: Yes**.
- developer** at **Company: Teamopine Inc** from **Start Date: 01/04/2018** to **End Date: 30/10/2021**. The status is **Current Job: No**.

Buttons for 'Add Experience' and 'Edit' are visible between the experience entries.

Chapter 8: System Testing

8.1 Testing Introduction

8.2 Test Case

8.1 Testing Introduction

❖ What is testing?

Testing is the process of examining an application to ensure it fulfills the requirements for which it was designed and meets quality expectations. More importantly, testing ensures the application meets customer expectations.

Testing accomplished a variety of things, but most importantly it measures the quality of websites you are developing. This view presupposes there are defects in your website waiting to be discovered and this view is rarely disproved or even disputed.

➤ Integration Testing:

We have used top down testing strategy for integrating web pages. The separately generated web pages will be integrated and for checking that they work properly after their integration, tests will be conducted to ensure their proper functionality.

Using dummy web pages it is checked that whether output of page will redirect to specific web page

After that regression testing strategy helps us to ensure that changes do not introduce unintended behaviour or additional,

➤ Validation Testing:

After integration testing, Web site is completely assembled as a package; interfacing error has been uncovered and corrected and the final series of the Web site tests; the validation succeeds when the Web site functions in a manner that can be reasonably accepted by the client.

Validation tests provide assurance that the Web site as written meets requirement.

➤ White Box Testing:

White box testing is testing case design method that uses the control structure of the procedural design test cases. Using white box testing methods, one can devices test cases that –

- Grantees that all independent paths within a module have been exercised at least once.
- Exercise all logical decision on their true and false sides.
- Exercise all loops at their boundaries and within their operational bounds.
- Exercises internal data structure to ensure their validity.

➤ Black Box Testing:

Black Box testing is the method of software testing that tests the factuality of applications appeased to it internal structure or workings. Specific knowledge of application's code/internal structure & programming knowledge in general is not require Test cases are built around specification & requirement , i.e. what application supposed to do. It uses external description of the software, including specification, requirements, and designs to derive test cases. This case can be functional or non-functional, though usually function. The test designers select valid and invalid inputs and determine the correct output. There is no knowledge of the test object's internal structure.

➤ Unit Testing:

In the web based application smallest testable unit is Web page itself. So the web pages of the site are to be unit tested. Each web page contains content, navigational links, and processing elements (scripts, event handlers, etc.) .The testing will be driven by the content processing, and links contained in the site.

Using black box testing technique web pages are tested unit by unit for whether they receive Input properly and give output in proper format or redirect to specific web page. It is also tested that the error message are properly displayed and give user-friendly information.

➤ Alpha Testing:

Alpha testing makes use of prototypes to test the software in its beta stage. However, you cannot expect the software to possess complete functionality for which it is designed especially at this stage. This is because alpha testing is usually conducted to ensure that the software that is being developed provides all necessary core function and that it accepts all inputs and gives output expected outputs.

Alpha tests are conducted in the software developer's offices or on any designated systems so that they can monitor the test and list out any errors or bugs that may be present. Thus, some of the most complex codes are developed during alpha testing stage. Furthermore, the project manager who is handling the testing process will need to talk to the software developer on the possibilities of integrating the results procured from alpha testing process with the future software design plans so that all potential future problems can be avoided.

➤ Beta Testing:

In software development, beta test is the second phase of software testing in which a sampling of the intended audience tries the product out. Originally, the term alpha test meant the first phase of testing in a software development process .The first phase includes unit testing, component testing and system testing. Beta testing can be considered “pre-release testing”. Beta test versions of software are now distributed to a wide audience on the Web partly to give the program a “real-world” test and partly to provide a preview of the next release.

Beta testing comes after alpha testing and can be considered a form of extreme user acceptance testing. Version of the software, known as beta versions, is released to a limited audience outside of the programming team. The software is released to group of people so that further testing can ensure the products have few faults or bugs. Sometimes, beta versions are made available to the open public to increase the feedback field to a maximal number of the future users.

➤System Testing:

The uncovered weaknesses that were not found in earlier tests are removed in system testing. The system is corrected such away that it does not affect the forced system failure. This testing is done with low volume of transaction based on live data. Finally the total system is also tested to ensure that no data are lost.

Following testing on the completed system will be performed in order to find the errors before they become defects and correct them.

- In order to eliminate navigational errors the site will be reviewed and tested. The use cases scenarios that we have developed in the same document while requirement analysis activity will be considered to uncover errors in the navigational links.
- Web pages of the site will be unit tested. For the web pages sometimes the smallest testable unit is the single web page itself. Each web page contains content, navigational links, and processing elements (scripts, event handlers, etc.) .The testing will be driven by the content processing, and links contained in the site.
- The separately generated web pages will be integrated and for checking that they work properly after their integration, tests will be conducted to ensure their proper functionality.
- The functionality of the site will be checked with the different versions of the Internet Explorer, Netscape Navigator, etc. and wherever necessary it will be attempted to change the implementation of the not working for some browsers fir some case and of course without losing the purpose of the functionality, if possible.

8.2 Test Case

BookmarkedJobs:

Sr.no	Field	ActualData	Valid/Invalid	Action
1	Id	Auto generate		
2	SaveDate	10-04-2024	Valid	Redirect towards The system
		2024-02-30	Invalid	Invalid date format
		blank	Invalid	SaveDate cannot blank
3	AppUserId	blank	Invalid	AppUseld must be digits only
		12ab	Invalid	AppUseld must be digits only
		12	Valid	Redirect towards The system
4	JobId	blank	Invalid	JobId must be digits only
		45xy	Invalid	JobId must be digits only
		45	Valid	Redirect towards The system

Business Types:

Sr.no	Field	ActualData	Valid/Invalid	Action
1	Id	Auto generate		
2	Type	blank	Invalid	Type must not be blank or null
		Finance	Valid	Redirect towards The system
		Finance55	Invalid	Type must contain only chars

Cities:

Sr.no	Field	ActualData	Valid/Invalid	Action
1	Id			
2	CityName	blank	Invalid	Type must not be blank or null
		Finance	Valid	Redirect towards The system
		Finance55	Invalid	Type must contain only chars
3	IsActive	checkbox		

Companies:

Sr.no	Field	ActualData	Valid/Invalid	Action
1	Id	blank	Invalid	Id must not be blank or null
2		ABC123	Invalid	Id must be a numeric value
3		1	Valid	
4	CompanyName	blank	Invalid	CompanyName must not be blank or null

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5		ABC123	Invalid	CompanyName must contain only characters
6		ABC Inc.	Valid	
7	About	blank	Invalid	About must not be blank or null
8		ABC123	Valid	
9		We are a leading company in IT.	Valid	
10	NumberOfEmployees	blank	Invalid	NumberOfEmployees must not be blank or null

CVs:

Sr.no	Field	ActualData	Valid/Invalid	Action
1	Id	Auto generate		
2	AboutMe	I am developer	Valid	Redirect towards The system
		I am developer123	Invalid	AboutMe must contains chars only
		blank	Invalid	AboutMe must not be null /blank
3	AppUserId	10	Valid	Redirect towards The system
		10AB	Invalid	AppUserId must contains digits only
		blank	Invalid	AppUserId cannot be null

CVSkillSets:

Sr.no	Field	ActualData	Valid/Invalid	Action
1	CVId	Auto generate		
2	SkillId	blank	Invalid	SkillId must not be blank or null
		1ui	Invalid	SkillId must contain digit only
		1	Valid	Redirect towards The system

ExperienceDetails:

Sr.no	Field	ActualData	Valid/Invalid	Action
1	Id	Auto generate		
2	StartDate	15-01-2022	Valid	Redirect towards The system
		22-08-2022	Invalid	Invalid date format
		blank	Invalid	StartDate cannot blank
3	EndDate	10-04-2024	Valid	Redirect towards The system
		2024-02-30	Invalid	Invalid date format
		blank	Invalid	EndDate cannot blank
4	IsCurrentJob	Checkbox		

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5	CompanyName	blank	Invalid	must not be blank or null
		Innov Inc124	Invalid	Must contain only characters
		Innov Inc	Valid	Redirect towards The system
6	JobTitle	Software Engineer 3454	Invalid	JobTitle must contain only chars
		Software Engineer	Valid	Redirect towards The system
		blank	Invalid	JobTitle must not be blank or null
7	CVId	50	Valid	
		50Ok	Invalid	CVId must contain only characters

Feedbacks:

Sr.no	Field	ActualData	Valid/Invalid	Action
1	Id	Auto		
2	Text	ABD	Valid	Redirect towards the system
		ABD234	Invalid	Text must contain characters only
		blank	Invalid	Text cannot be null or blank
3	Addtime	10-04-2024 00:00	Valid	Redirect towards the system
		22-08-2022	Invalid	Invalid date format
		blank	Invalid	Invalid date format
4	AppUserId	123	Valid	Redirect towards the system
		blank	Invalid	AppUserId cannot be null or blank
		ABC	Invalid	AppUserId must be numeric

JobApplications:

Sr.no	Field	ActualData	Valid/Invalid	Action
1	Id	Auto generate		
2	ApplyDate	10-04-2024	Valid	Redirect towards the system
		22-08-2022	Invalid	Invalid date format
		blank	Invalid	date cannot be null or blank
3	JobId	123	Valid	Redirect towards the system
		123ty	Invalid	JobId must be numeric value
		blank	Invalid	JobId cannot null or blank
4	JobSeekerId	156	Valid	Redirect towards the system
		123ty	Invalid	JobSeekerId must be numeric value
		blank	Invalid	JobSeekerId cannot null or blank
5	AppStatus	Pending	Valid	Redirect towards the system

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JobRoles:

Sr.no	Field	ActualData	Valid/Invalid	Action
1	Id	Auto generate		
2	JobTitle	Software Developer	Valid	Redirect towards the system
		657768	Invalid	JobTitle must be characters values
		blank	Invalid	JobTitle cannot blank
3	Description	IT	Valid	Redirect towards the system
		IT9589	Invalid	Description must be characters values
		blank	Invalid	Description cannot blank

Jobs:

Sr.no	Field	ActualData	Valid/Invalid	Action
1	Id	Auto generate		
2	Responsibilities	se, manager	Valid	Redirect towards the system
		56,manag24er	Invalid	Responsibilities must contain characters only
		blank	Invalid	Responsibilities cannot be null or blank
3	RequiredExperience	5	Valid	Redirect towards the system
		five	Invalid	RequiredExperience must contain digits only
		blank	Invalid	RequiredExperience cannot be null or blank
4	IsWorkFromHome	checkbox		
5	Budget	50000	Valid	Redirect towards the system
		five54545	Invalid	Budget must contain digits only
		blank	Invalid	Budget cannot be null or blank
6	IsActive	checkbox		
7	AddDate	10-04-2024	Valid	Redirect towards the system
		21-01-2002	Invalid	Invalid date format
		blank	Invalid	Date cannot be null or blank
8	LastDateToApply	10-04-2012	Valid	Redirect towards the system
		22-08-2022	Invalid	Invalid date format
		blank	Invalid	Date cannot be null or blank
9	JobProviderId	123	Valid	Redirect towards the system
		113-fghdf	Invalid	JobProviderId must contain digits only
		blank	Invalid	JobProviderId cannot be null or blank
10	CompanyId	7	Valid	Redirect towards the system
		7ghgh	Invalid	CompanyId must contain digits

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				only
		blank	Invalid	CompanyId cannot be null or blank
11	IsPermanent			
12	JobRoleId	2	Valid	Redirect towards the system
		NM4875	Invalid	JobRoleId must contain digits only
		blank	Invalid	JobRoleId cannot be null or blank
13	JobTypeId	75	Valid	Redirect towards the system
		UIO97	Invalid	JobTypeId must contain digit only
		blank	Invalid	JobTypeId cannot be null or blank
14	CityId	23	Valid	Redirect towards the system
		23reo	Invalid	Cityid must contain digits only
		blank	Invalid	Cityid cannot be null or blank

JobSeekerEducation:

Sr.no	Field	ActualData	Valid/Invalid	Action
1	Id	Auto generate		
2	CollageName	SSTE College	Valid	Redirect towards the system
		SS_9658\$jg	Invalid	CollageName must be characters values
		blank	Invalid	CollageName cannot blank
3	Cgpa	8	Valid	Redirect towards the system
		8.096578656	Invalid	Out of bound length
		blank	Invalid	CGPA Cannot be blank
4	StartDate	10-04-2024	Valid	Redirect towards the system
		22-08-2022	Invalid	Invalid date format
		blank	Invalid	StartDate cannot be null or blank
5	CompletionDate	10-04-2024	Valid	Redirect towards the system
		22-08-2022	Invalid	Invalid date format
		blank	Invalid	CompletionDate cannot be null or blank
6	EduLevel	Higher	Valid	Redirect towards The system
		COLE(787	Invalid	EduLevel must contain characters only.
		blank	Invalid	EduLevel cannot blank
7	CVId	60	Valid	Redirect towards The system
		SIE	Invalid	CVId must contain digit only.
		blank	Invalid	CVId cannot blank

JobSkills:

Sr.no	Field	ActualData	Valid/Invalid	Action
1	JobId	Auto generate		
2	SkillId	3	Valid	Redirect towards The system
		SER	Invalid	SkillId must contain digit only.
		blank	Invalid	SkillId cannot be null or empty

JobTypes:

Sr.no	Field	ActualData	Valid/Invalid	Action
1	Id	Auto generate		
2	Type	Farmer	Valid	Redirect towards The system
		Farmer7757	Invalid	Type must contain chars only
		blank	Invalid	Type cannot be null or blank
3	JobKeyWord	SE, Software, IT	Valid	Redirect towards The system
		646SE, Softwar545e, IT24	Invalid	JobKeyWord must contain characters only

Messages:

Sr.no	Field	ActualData	Valid/Invalid	Action
1	Id	Auto generate		
2	Text	Hello how are you?	Valid	Redirect towards The system
		Hello how are you?5656	Invalid	Text must contain digit only.
		blank	Invalid	Text cannot be null or empty
3	SenderId	101	Valid	Redirect towards The system
		101BD	Invalid	SenderId must contain digit only.
		blank	Invalid	SenderId cannot be null or empty
4	ReceiverId	234	Valid	Redirect towards The system
		234BD	Invalid	ReceiverId must contain digit only.
		blank	Invalid	ReceiverId cannot be null or empty
5	SendDate	11-02-2022	Valid	Redirect towards The system
		2024-02-30	Invalid	Invalid date format
		blank	Invalid	SendDate cannot blank

Skills:

Sr.no	Field	ActualData	Valid/Invalid	Action
1	Id	Auto generate		
2	Text	Hello how are you?	Valid	Redirect towards The system
		Hello how are you?5656	Invalid	Text must contain digit only.
		blank	Invalid	Text cannot be null or empty
				Redirect towards The system
3	SenderId	101	Valid	SenderId must contain digit only.
		101BD	Invalid	SenderId cannot be null or empty
		blank	Invalid	SenderId must contain digit only.
4	ReceiverId	234	Valid	ReceiverId cannot be null or empty
		234BD	Invalid	ReceiverId must contain digit only.
		blank	Invalid	ReceiverId cannot be null or empty
5	SendDate	11-02-2022	Valid	Redirect towards The system
		2024-02-30	Invalid	Invalid date format
		blank	Invalid	SendDate cannot blank

Chapter 9

System Limitations & Future Enhancement

System Limitation:

- No customer complaints box.
- If no internet connection than it is unable to serve.
- Power failure may happen so UPS is required.
- User mistake can turn into improper answer.

Future Enhancement

- No option to post real corporate experience etc through a post.
- Forgotten password send to user email account.
- Monetization of website through advertisement and featured services.
- Creating an android application also.
- More complex algorithms to give better results and suggestions.

Chapter 10: References

10.1 Bibliography

10.1 Bibliography

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- <https://jqueryui.com/>
- <http://www.youtube.com/kudvenkat/>