

CPSC 304 Project Cover Page

Milestone #: ____4____

Date: _2023/12/01_

Group Number: ____64____

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

Repository Link:

[CPSC304-2023W-T1/project_h2j2s_o1w4p_o4g4f\(ubc.ca\)](https://cpsc304-2023w-t1/project_h2j2s_o1w4p_o4g4f(ubc.ca))

A short description of the final project, and what it accomplished:

Short description:

This application is a job portal designed to connect recruiters and job seekers in Canada, streamlining the job-seeking and hiring processes. It utilizes a comprehensive database to manage user profiles, job applications, job posts, scheduled interviews, and career fair participation, facilitating recruitment and efficient information exchange between job seekers and companies.

What it accomplished:

We defined two distinct user roles (Job seekers and Recruiters), each role will have specific permissions to distinct web pages with different functionalities.

They can both sign up with their username, password, name, email, phone number and description, and recruiters can also register with their company's name. They can login later with their username and password.

For Job seekers Specifically:

- View details of all jobs posted and apply directly for positions by submitting their resume and cover letter.
- Create incomplete application packages containing resumes and cover letters and decide whether to submit an application for a specific position later.
- Find the average salary by the job title.
- Find the average salary for each company that have more than one job posted.
- Find the company with recruiters posting jobs exceeding the overall average salary of all job posts.

For Recruiters Specifically:

- View all the applications and applicants' information for the job post they posted and update status of those applications.
- Schedule (create/edit/delete) an interview for a specific application.
- Create new job posts.
- Find all jobseekers who have applied for all jobs posted by them.

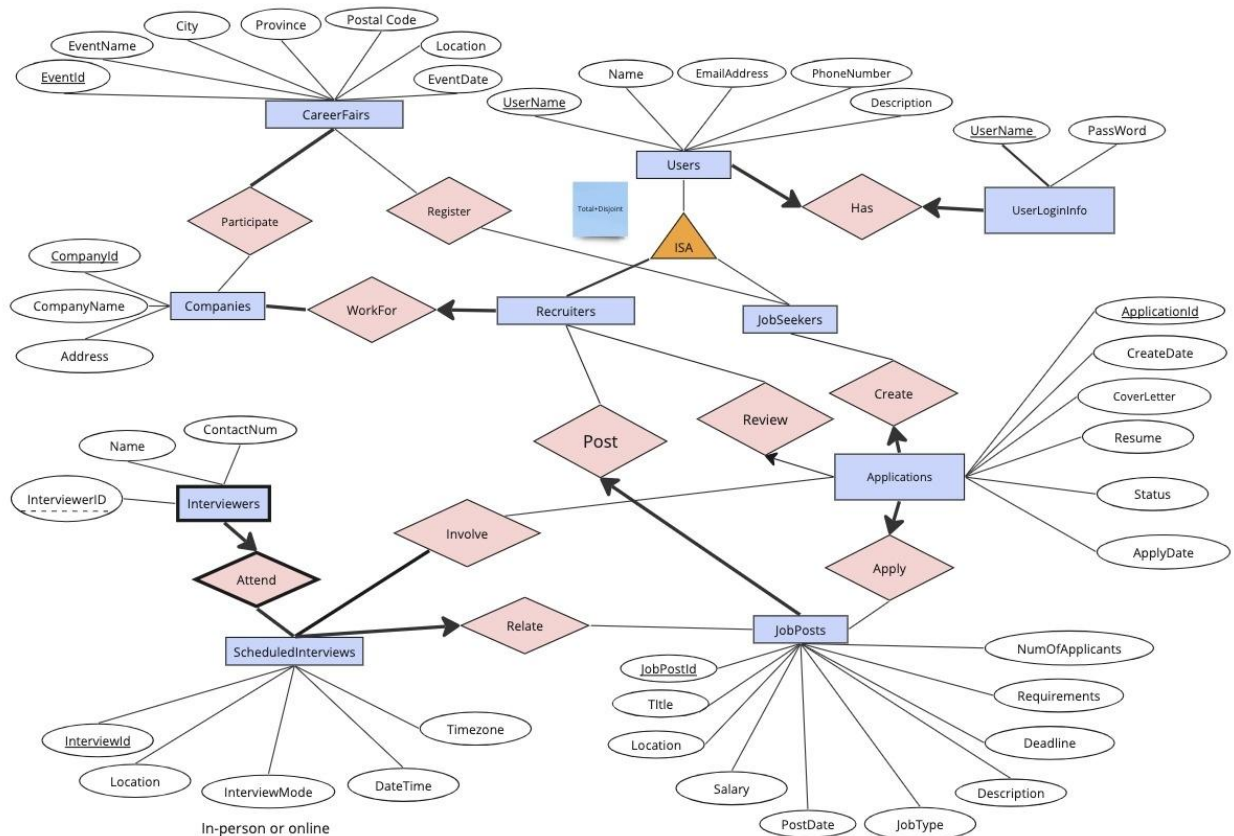
Furthermore, there are some extra features on the main page ("Admin Page"):

- View all relations in the database by selecting a specific table and the attributes to be viewed.
- Find all users by username, phone number and/or email.

- Count the total number of users, recruiters, job seekers and companies.

Updates:

1. Updated ER Diagram:



2. Updated Schema:






- Users** (UserName: varchar, Name: varchar, EmailAddress: varchar, PhoneNumber: varchar, Description: varchar)
- Recruiters** (UserName: varchar, **CompanyId**: integer)
- JobSeekers** (UserName: varchar)
- UserLogInfo** (UserName: varchar, PassWord: varchar)
- Companies** (CompanyId: integer, CompanyName: varchar, Address: varchar)
- JobPosts** (JobPostId: integer, **RecruiterId**: varchar, Title: varchar, Location: varchar, Salary: integer, PostDate: DATE, JobType: varchar, Description: varchar, Deadline: DATE, Requirements: varchar, NumOfApplications: integer)
- Applications** (ApplicationId: integer, **RecruiterId**: varchar, **JobPostId**: integer, CreateDate: DATE, CoverLetter: varchar, **Resume**: varchar, Status: varchar, ApplyDate: DATE)
- Resumes** (Resume: varchar, **JobSeekerId**: varchar)

- i. ScheduledInterviews (interviewId: integer, **JobPostId**: integer, Location: varchar, InterviewMode: char[10], DateTime: DATE, Timezone: varchar)
- j. Applications_ScheduledInterviews (InterviewId: integer, **ApplicationId**: integer)
- k. Interviewers_Attend (InterviewerId: integer, InterviewId: integer, Name: varchar, ContactNum: varchar)
- l. CareerFairs (EventId: integer, EventName: varchar, **PostalCode**: varchar, Location: varchar, EventDate: DATE)
- m. LocationDetails (PostalCode: varchar, City: varchar, Province: varchar)
- n. Companies_CareerFairs (**CompanyId**: integer, EventId: integer)
- o. JobSeekers_CareerFairs (JobSeekerId: varchar, EventId: integer)



Reason: We realized that Username could be used as a primary and foreign key for Users, Recruiters, and JobSeekers, so we removed the redundant UserId.

Schema and Screenshots of What Data is Present after Reset


SELECT * FROM Users;

	 USERNAME	 NAME	 EMAILADDRESS	 PHONENUMBER	 DESCRIPTION
1	john_doe	John Doe	john.doe@email.com	123-456-7890	Description of John
2	jane_smith	Jane Smith	jane.smith@email.com	234-567-8901	Description of Jane
3	michael_johnson	Michael Johnson	michael.johnson@email.com	345-678-9012	Description of Michael
4	emily_brown	Emily Brown	emily.brown@email.com	456-789-0123	Description of Emily
5	william_davis	William Davis	william.davis@email.com	567-890-1234	Description of William
6	olivia_wilson	Olivia Wilson	olivia.wilson@email.com	678-901-2345	Description of Olivia
7	james_miller	James Miller	james.miller@email.com	789-012-3456	Description of James
8	ava_jones	Ava Jones	ava.jones@email.com	890-123-4567	Description of Ava
9	robert_lee	Robert Lee	robert.lee@email.com	901-234-5678	Description of Robert
10	sophia_taylor	Sophia Taylor	sophia.taylor@email.com	012-345-6789	Description of Sophia

SELECT * FROM Recruiters;

	 USERNAME	 COMPANYID
1	john_doe	1
2	jane_smith	2
3	michael_johnson	3
4	emily_brown	4
5	william_davis	5

SELECT * FROM JobSeekers;

	 USERNAME
1	ava_jones
2	james_miller
3	olivia_wilson
4	robert_lee
5	sophia_taylor

SELECT * FROM UserLogInfo;

	🔑 USERNAME	🔑 PASSWORD
1	john_doe	\$2y\$10\$QRo.7YRLY/KNtWmK60hi..pDiD7XdSG.j7NUQctyRTZEc2QGkPcau
2	jane_smith	\$2y\$10\$2VEuqIx0ypxxuWfUpo5xRuPWYta6Js10I8z440612B8jJzppiP95u
3	michael_johnson	\$2y\$10\$HPXChvVChoAR4pv23Y3PquFZDkwd4o81KKfq7TZkNSQ01jKgnunvW
4	emily_brown	\$2y\$10\$fZiia7jm7pWh4UUm9fjkg.E67gdfn8bg0WzEux7T0isMQ3zg0qmKe
5	william_davis	\$2y\$10\$VaJLFKuT0Q/1i2Kuv6d78.fWsLpwr8V0k9JqHrxXo0A78u3QmJIZa
6	olivia_wilson	\$2y\$10\$I516wyladx5.0Tvug4xWp0Qn/DPMYAc..sUH29Up12mCyDZpy0Fym
7	james_miller	\$2y\$10\$L7TVIXTraLrTL0312EbUL.z3EhFD/1rk0DW2cnpnI7cFK05eKx652
8	ava_jones	\$2y\$10\$ppzwzQttaVArbybCIR81S00iv1N.BCEwPp6jGYN1azsAUGzJG6KqS
9	robert_lee	\$2y\$10\$CZVRiSM3rkNx59QpDmBV5ehDcN1fauo9LuHn05EYezFwJ1HCszW5W
10	sophia_taylor	\$2y\$10\$PczdYUPS9.47kWEDTi9ny0IdsDmhYBrsm8R7hE7K9jq68N6C7/bc2

SELECT * FROM Companies;

	🔑 COMPANYID	🔑 COMPANYNAME	🔑 ADDRESS
1	1	ABC Inc.	123 Main Street, Vancouver
2	2	XYZ Corp	456 Elm Avenue, Toronto
3	3	Tech Solutions Ltd.	789 Oak Lane, Montreal
4	4	Global Innovations	101 Pine Road, Calgary
5	5	Acme Industries	222 Cedar Street, Edmonton

SELECT * FROM JobPosts;

	🔑 JOBPOSTID	🔑 RECRUITERID	🔑 TITLE	🔑 LOCATION	🔑 SALARY	🔑 POSTDATE	🔑 JOBTYP	🔑 DESCRIPTION	🔑 DEADLINE	🔑 NUMOFAPPLICATIONS	🔑 REQUIREMENTS
1	1	john_doe	Software Engineer	Online	80000	2023-10-18	Full-time	We are looking fo...	2023-11-15		4 Bachelor's degree in Computer Science, Proficien
2	2	jane_smith	Marketing Manager	456 Elm Avenu...	70000	2023-10-19	Full-time	We need an experi...	2023-11-20		1 Bachelor's degree in Marketing, 5+ years of mar
3	3	michael_johnson	Data Analyst	123 Main Stre...	30000	2023-10-19	Internship	We are hiring a d...	2023-11-10		1 Strong data analysis skills, familiarity with P
4	4	emily_brown	Graphic Designer	Online	60000	2023-10-21	Full-time	Looking for a cre...	2023-11-25		1 Graphic design experience, proficiency in Adobe
5	5	william_davis	Product Manager	101 Pine Road...	45000	2023-10-22	Full-time	We are seeking a ...	2023-11-30		0 Excellent communication skills, product managem
6	6	john_doe	Product Manager	Online	90000	2023-11-05	Full-time	Looking for an ex...	2023-12-05		3 5+ years of product management experience, stro
7	7	john_doe	Data Analyst	Online	85000	2023-11-10	Full-time	We are hiring a d...	2023-12-10		4 Ph.D. in Computer Science, experience with mach
8	8	william_davis	Data Analyst	101 Pine Road...	55000	2023-10-22	Full-time	We are seeking a ...	2023-11-30		0 Excellent coding skills
9	9	jane_smith	Product Manager	456 Elm Avenu...	60000	2023-10-19	Full-time	We need an experi...	2023-11-20		0 Bachelor's degree in Business/STEM, 3+ years of

SELECT * FROM Applications;

	🔑 APPLICATIONID	🔑 RECRUITERID	🔑 JOBPOSTID	🔑 CREATEDATE	🔑 COVERLETTER	🔑 RESUME	🔑 STATUS	🔑 APPLYDATE
1	1	john_doe	1	2023-10-19	http://example.com/coverLetter1-olivia_wilson	http://example.com/resume1-olivia_wilson	Under Review	2023-10-20
2	2	jane_smith	2	2023-10-20	<null>	http://example.com/resume1-james_miller	Interviewing	2023-10-20
3	3	michael_johnson	3	2023-10-21	http://example.com/coverLetter1-ava_jones	http://example.com/resume1-ava_jones	Interviewing	2023-10-22
4	4	emily_brown	4	2023-10-30	http://example.com/coverLetter1-robert_lee	http://example.com/resume1-robert_lee	Accepted	2023-10-30
5	5	<null>	<null>	2023-10-10	http://example.com/coverLetter1-sophia_taylor	http://example.com/resume1-sophia_taylor	Incomplete application	<null>
6	6	john_doe	6	2023-11-02	http://example.com/coverLetter2-olivia_wilson	http://example.com/resume1-olivia_wilson	Under Review	2023-11-03
7	7	john_doe	7	2023-11-06	http://example.com/coverLetter3-olivia_wilson	http://example.com/resume1-olivia_wilson	Under Review	2023-11-07
8	8	john_doe	6	2023-11-15	http://example.com/coverLetter1-james_miller	http://example.com/resume1-james_miller	Under Review	2023-11-16
9	9	john_doe	7	2023-11-18	http://example.com/resume2-james_miller	http://example.com/resume1-james_miller	Under Review	2023-11-19
10	10	john_doe	6	2023-11-11	http://example.com/coverLetter2-ava_jones	http://example.com/resume1-ava_jones	Under Review	2023-11-12
11	11	john_doe	7	2023-11-11	http://example.com/coverLetter3-ava_jones	http://example.com/resume1-ava_jones	Under Review	2023-11-12
12	12	john_doe	7	2023-11-20	<null>	http://example.com/resume1-robert_lee	Under Review	2023-11-21
13	13	john_doe	1	2023-11-06	http://example.com/coverLetter4-ava_jones	http://example.com/resume1-ava_jones	Under Review	2023-11-07
14	14	john_doe	1	2023-11-15	http://example.com/coverLetter1-james_miller	http://example.com/resume1-james_miller	Under Review	2023-11-16
15	15	john_doe	1	2023-11-15	<null>	http://example.com/resume1-robert_lee	Under Review	2023-11-16

SELECT * FROM Resumes;

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	RESUME	JOBSEEKERID
1	http://example.com/resume1-olivia_wilson	olivia_wilson
2	http://example.com/resume1-james_miller	james_miller
3	http://example.com/resume1-ava_jones	ava_jones
4	http://example.com/resume1-robert_lee	robert_lee
5	http://example.com/resume1-sophia_taylor	sophia_taylor

SELECT * FROM Applications_ScheduledInterviews;

	INTERVIEWID	APPLICATIONID
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5

SELECT * FROM Interviewers_Attend;

	INTERVIEWERID	INTERVIEWID	NAME	CONTACTNUM
1	1	1	Anna	111-111-2222
2	2	2	Jone	222-222-3333
3	3	3	Sandrew	333-333-4444
4	4	4	Peter	444-444-5555
5	5	5	Jack	555-555-6666

SELECT * FROM CareerFairs;

	EVENTID	EVENTNAME	POSTALCODE	LOCATION	EVENTDATE
1	1	BusinessCareerFair2023	V6T1Z1	University of British Columbia	2023-10-10
2	2	TechnicalCareerFair2024	M5R0A3	University of Toronto	2024-01-10
3	3	EngineerCareerFair2024	T6G2R3	University of Alberta	2024-09-10
4	4	TechnicalCareerFair2023	V6T1Z4	University of British Columbia	2023-05-10
5	5	EngineerCareerFair2023	V6T1Z2	University of British Columbia	2023-05-10



SELECT * FROM LocationDetails;

	POSTALCODE	CITY	PROVINCE
1	V6T1Z1	Vancouver	BC
2	M5R0A3	Toronto	ON
3	T6G2R3	Edmonton	AB
4	V6T1Z4	Vancouver	BC
5	V6T1Z2	Vancouver	BC

SELECT * FROM Companies_CareerFairs;

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	 COMPANYID ↕	 EVENTID ↕
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5

SELECT * **FROM** JobSeekers_CareerFairs;

	 JOBSEEKERID ↕	 EVENTID ↕
1	ava_jones	3
2	james_miller	2
3	olivia_wilson	1
4	robert_lee	4
5	sophia_taylor	5

List of all SQL queries (file name and line numbers)

INSERT

project_h2j2s_o1w4p_o4g4f/job_portal.php, line 189

```
insert into UserLogInfo values (:bind1, :bind2)
```

project_h2j2s_o1w4p_o4g4f/job_portal.php, line 207

```
insert into Users values (:bind1, :bind2, :bind3, :bind4, :bind5)
```

project_h2j2s_o1w4p_o4g4f/job_portal.php, line 218

```
insert into JobSeekers values (:bind1)
```

project_h2j2s_o1w4p_o4g4f/job_portal.php, line 246

```
insert into Recruiters values (:bind1, :bind2)
```

DELETE

project_h2j2s_o1w4p_o4g4f/recruiter.php, line 421

```
DELETE FROM ScheduledInterviews WHERE InterviewId = {$interviewId}
```

UPDATE

project_h2j2s_o1w4p_o4g4f/recruiter.php, lines 468-474

```
UPDATE ScheduledInterviews
    SET JobPostId = :bind1,
        Location = :bind2,
        InterviewMode = :bind3,
```

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```
DateTime = TO_DATE(:bind4, 'YYYY-MM-DD\'T\'HH24:MI'),
TimeZone = :bind5

WHERE InterviewId = '{$interviewId}'
```

project_h2j2s_o1w4p_o4g4f/recruiter.php, lines 479-481

```
UPDATE APPLICATIONS

SET JobPostId = :bind1

WHERE ApplicationId = '{$applicationId}'
```

project_h2j2s_o1w4p_o4g4f/recruiter.php, lines 485-487

```
UPDATE JOBPOSTS

SET JobPosts.NumOfApplications = JobPosts.NumOfApplications + 1

WHERE JobPostId = '{$_POST['interviewJobPostId']}'
```

project_h2j2s_o1w4p_o4g4f/recruiter.php, lines 490-492

```
UPDATE JOBPOSTS

SET JobPosts.NumOfApplications = JobPosts.NumOfApplications - 1

WHERE JobPostId = '$currentJobPostId'
```

SELECTION

project_h2j2s_o1w4p_o4g4f/find_user.php, lines 280-294

```
$query = "SELECT * FROM Users";

if ($attribute1 != 'None' && !empty($val1)) {
    $query .= " WHERE $attribute1 = '$val1'";
}

if ($attribute2 != 'None' && !empty($val2)) {
    $query .= " $attribute2 = '$val2'";
}

if ($attribute3 != 'None' && !empty($val3)) {
    $query .= " $attribute3 = '$val3'";
}

$result = executePlainSQL($query);
```

PROJECTION

project_h2j2s_o1w4p_o4g4f/job_portal_view.php, line 49

```
SELECT table_name FROM all_tables WHERE owner = 'ORA_XLI2801'
```

project_h2j2s_o1w4p_o4g4f/job_portal_view.php, line 58

```
SELECT column_name FROM all_tab_columns WHERE table_name = '$selectedTable' AND owner
= 'ORA_XLI2801'
```


project_h2j2s_o1w4p_o4g4f/job_portal_view.php, line 223

```
"SELECT ". $attributes . " FROM ". $_GET["selectedTable"]
```

JOIN

project_h2j2s_o1w4p_o4g4f/recruiter.php, lines 267-282

```
SELECT
    Applications.ApplicationId,
    Applications.JobPostId,
    Users.Name AS JobSeekerName,
    Applications.Resume,
    Applications.CoverLetter,
    Applications.Status,
    Applications.CreateDate,
    Applications.ApplyDate
FROM
    Applications
JOIN Resumes ON Resumes.Resume = Applications.Resume
JOIN Users ON Resumes.JobSeekerId = Users.UserName
WHERE
    Applications.RecruiterId = '$username'
    AND Applications.Status <> 'Incomplete application'
```

AGGREGATION with GROUP BY

project_h2j2s_o1w4p_o4g4f/job_seeker.php, lines 689-691

```
SELECT Title, AVG(Salary) AS AvgSalary
FROM JobPosts
GROUP BY TITLE
```

AGGREGATION with HAVING

project_h2j2s_o1w4p_o4g4f/job_seeker.php, lines 741-747

```
SELECT C.CompanyId AS CompanyId, C.CompanyName AS CompanyName, AVG(JP.Salary) AS
AvgSalary
FROM Companies C, Recruiters R, JobPosts JP
WHERE C.CompanyId = R.CompanyId
    AND R.UserName = JP.RecruiterId
GROUP BY C.CompanyId, C.CompanyName
HAVING COUNT(*) > 1
ORDER BY AvgSalary DESC
```

NESTED AGGREGATION with GROUP BY

project_h2j2s_o1w4p_o4g4f/job_seeker.php, lines 799-805

```
SELECT C.CompanyId AS COMPANYID, C.CompanyName AS COMPANYNAME, AVG(JP.Salary) AS
AvgSalary
    FROM Companies C, Recruiters R, JobPosts JP
   WHERE C.CompanyId = R.CompanyId AND R.UserName = JP.RecruiterId
  GROUP BY C.CompanyId, C.CompanyName
  HAVING AVG(JP.Salary) > (SELECT
                           AVG(Salary)
                          FROM JobPosts)
```

DIVISION

project_h2j2s_o1w4p_o4g4f/recruiter.php, lines 876-886

```
SELECT JS.UserName AS JobSeekerUserName
    FROM JobSeekers JS
   WHERE NOT EXISTS
      (( SELECT JP.JobPostId
         FROM JobPosts JP
        WHERE JP.recruiterId = '$username')
      MINUS
      (SELECT A.JobPostId
         FROM Applications A, Resumes R
        WHERE A.Resume = R.Resume
          AND R.JobSeekerId = JS.UserName))
```

Screenshots demonstrating the functionality of each query

Insert Operation

Before:

Users Table:

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USERNAME	NAME	EMAILADDRESS	PHONENUMBER	DESCRIPTION
john_doe	John Doe	john.doe@email.com	123-456-7890	Description of John
jane_smith	Jane Smith	jane.smith@email.com	234-567-8901	Description of Jane
michael_johnson	Michael Johnson	michael.johnson@email.com	345-678-9012	Description of Michael
emily_brown	Emily Brown	emily.brown@email.com	456-789-0123	Description of Emily
william_davis	William Davis	william.davis@email.com	567-890-1234	Description of William
olivia_wilson	Olivia Wilson	olivia.wilson@email.com	678-901-2345	Description of Olivia
james_miller	James Miller	james.miller@email.com	789-012-3456	Description of James
ava_jones	Ava Jones	ava.jones@email.com	890-123-4567	Description of Ava
robert_lee	Robert Lee	robert.lee@email.com	901-234-5678	Description of Robert
sophia_taylor	Sophia Taylor	sophia.taylor@email.com	012-345-6789	Description of Sophia

UserLogInfo Table:

USERNAME	NAME	EMAILADDRESS	PHONENUMBER	DESCRIPTION
john_doe	John Doe	john.doe@email.com	123-456-7890	Description of John
jane_smith	Jane Smith	jane.smith@email.com	234-567-8901	Description of Jane
michael_johnson	Michael Johnson	michael.johnson@email.com	345-678-9012	Description of Michael
emily_brown	Emily Brown	emily.brown@email.com	456-789-0123	Description of Emily
william_davis	William Davis	william.davis@email.com	567-890-1234	Description of William
olivia_wilson	Olivia Wilson	olivia.wilson@email.com	678-901-2345	Description of Olivia
james_miller	James Miller	james.miller@email.com	789-012-3456	Description of James
ava_jones	Ava Jones	ava.jones@email.com	890-123-4567	Description of Ava
robert_lee	Robert Lee	robert.lee@email.com	901-234-5678	Description of Robert
sophia_taylor	Sophia Taylor	sophia.taylor@email.com	012-345-6789	Description of Sophia

JobSeekers Table:

USERNAME
ava_jones
james_miller
olivia_wilson
robert_lee
sophia_taylor

During:

User Sign-up

Username*

Password*

User Type* ▼

Name*

Email Address*

Phone Number (Eg. 123-456-7890)

Description

After:

Users Table:

USERNAME	NAME	EMAILADDRESS	PHONENUMBER	DESCRIPTION
harper_white	Harper White	harper.white@email.com	666-666-3333	Description of Harper
john_doe	John Doe	john.doe@email.com	123-456-7890	Description of John
jane_smith	Jane Smith	jane.smith@email.com	234-567-8901	Description of Jane
michael_johnson	Michael Johnson	michael.johnson@email.com	345-678-9012	Description of Michael
emily_brown	Emily Brown	emily.brown@email.com	456-789-0123	Description of Emily
william_davis	William Davis	william.davis@email.com	567-890-1234	Description of William
olivia_wilson	Olivia Wilson	olivia.wilson@email.com	678-901-2345	Description of Olivia
james_miller	James Miller	james.miller@email.com	789-012-3456	Description of James
ava_jones	Ava Jones	ava.jones@email.com	890-123-4567	Description of Ava
robert_lee	Robert Lee	robert.lee@email.com	901-234-5678	Description of Robert
sophia_taylor	Sophia Taylor	sophia.taylor@email.com	012-345-6789	Description of Sophia

UserLogInfo Table:

University of British Columbia, Vancouver

Department of Computer Science

USERNAME	PASSWORD
harper_white	\$2y\$10\$5ky0Jq0s7XQOCeD8QAURuKjYxN3z8rmU/O3w0IaUZ3TWiQdQfAm
john_doe	\$2y\$10\$QRO.7YRLY/KNtWmK60hi..pDiD7XdSG.j7NUQctyRTZEc2QGkPcau
jane_smith	\$2y\$10\$2VEuqIx0ypxxuWfUpo5xRuPWYta6Js10I8z44O612B8jJzppiP95u
michael_johnson	\$2y\$10\$HPXChvVChoAR4pv23Y3PquFZDkwd4o81KKfq7TZkNSQO1jKgnunvW
emily_brown	\$2y\$10\$fZiia7jm7pWh4UUm9fjkg.EG7gdfn8bg0WzEux7TOisMQ3zgOqmKe
william_davis	\$2y\$10\$VaJLFKuT0Q/1i2Kuv6dl8.fWslpwr8Vok9JqHrxXoOA18u3QmJIZa
olivia_wilson	\$2y\$10\$I51Gwyladx5.OTvug4xWpOQn/DPMYAc..sUH29Up12mCyDZpy0Fym
james_miller	\$2y\$10\$L7TVIXTraLrTL0312EbUL.z3EhfD/1rk0DW2cnpnllcFK05eKx652
ava_jones	\$2y\$10\$ppzwzQttaVArbybCIR81SOOiv1N.BCEwPp6jGYn1azsAUgzJGeKqS
robert_lee	\$2y\$10\$CZVRiSM3rkNx59QpDmBV5ehDcN1fauo9LuHnO5EYezFwJ1HCszW5W
sophia_taylor	\$2y\$10\$PczdYUPS9.47kWEdT9nyOIdsDmhYBrsm8R7hE7K9jq68N6C7/bc2

JobSeekers Table:

USERNAME
ava_jones
harper_white
james_miller
olivia_wilson
robert_lee
sophia_taylor

Delete Operation

Before:

ScheduledInterviews Table:

INTERVIEWID	JOBPOSTID	LOCATION	INTERVIEWMODE	DATETIME	TIMEZONE
1	1	123 Main St, City1	In-Person	28-OCT-23	PST
2	2	143 Main St, City2	In-Person	25-OCT-23	EST
3	3	https://zoom.us/j/123	Online	15-OCT-23	ADT
4	4	193 University St, City4	In-Person	25-OCT-23	CDT
5	5	https://zoom.us/j/456	Online	10-OCT-23	MST

Applications_ScheduledInterviews Table:

INTERVIEWID	APPLICATIONID
1	1
2	2
3	3
4	4
5	5

Interviewers_Attend Table:

INTERVIEWERID	INTERVIEWID	NAME	CONTACTNUM
1	1	Anna	111-111-2222
2	2	Jone	222-222-3333
3	3	Sandrew	333-333-4444
4	4	Peter	444-444-5555
5	5	Jack	555-555-6666

GUI:

The recruiter who logged in (username: john_doe password: johnpassword123):

Hi! john_doe

Recruiter Reviews Applications

Review

Scheduling interview for Application ID: 1

Scheduled Interviews

Interview Id	Job Post Id	Location	Interview Mode	Date and Time	Timezone	Interviewer Info	Actions
1	1	123 Main St, City1	In-Person	October 28, 2023 10:00 AM	PST	ID: 1 Name: Anna Contact: 111-111-2222	<div>Edit</div> <div>Delete</div>

1 interview

Create New Interview

During:

Click the Delete button in the Actions column

University of British Columbia, Vancouver

Department of Computer Science

Recruiter Reviews Applications

[Review](#)

Scheduling interview for Application ID: 1

Scheduled Interviews

Interview Id	Job Post Id	Location	Interview Mode	Date and Time	Timezone	Interviewer Info	Actions
1	1	123 Main St, City1	In-Person	October 28, 2023 10:00 AM	PST	ID: 1 Name: Anna Contact: 111-111-2222	Edit Delete

1 interview

[Create New Interview](#)

After:

ScheduledInterviews Table:

INTERVIEWID	JOBPOSTID	LOCATION	INTERVIEWMODE	DATETIME	TIMEZONE
2	2	143 Main St, City2	In-Person	25-OCT-23	EST
3	3	https://zoom.us/j/123	Online	15-OCT-23	ADT
4	4	193 University St, City4	In-Person	25-OCT-23	CDT
5	5	https://zoom.us/j/456	Online	10-OCT-23	MST

Applications_ScheduledInterviews Table:

INTERVIEWID	APPLICATIONID
2	2
3	3
4	4
5	5

Interviewers_Attend Table:

INTERVIEWERID	INTERVIEWID	NAME	CONTACTNUM
2	2	Jone	222-222-3333
3	3	Sandrew	333-333-4444
4	4	Peter	444-444-5555
5	5	Jack	555-555-6666

GUI:

Recruiter Reviews Applications

Review

deleting interview for interview ID: 1

Interview was deleted successfully!

Recruiter Reviews Applications

Review

Scheduling interview for Application ID: 1

Scheduled Interviews

Interview Id	Job Post Id	Location	Interview Mode	Date and Time	Timezone	Interviewer Info	Actions
--------------	-------------	----------	----------------	---------------	----------	------------------	---------

0 interview

Create New Interview

Update Operation

Before (choose username: jane_smith password: janepassword456! to login and update the interview with id 2)

Scheduled Interviews

Interview Id	Job Post Id	Location	Interview Mode	Date and Time	Timezone	Interviewer Info	Actions
2	2	143 Main St, City2	In-Person	October 25, 2023 11:00 AM	EST	ID: 2 Name: Jone Contact: 222-222-3333	<div>Edit</div> <div>Delete</div>

1 interview

ScheduledInterview Table:

INTERVIEWID	JOBPOSTID	LOCATION	INTERVIEWMODE	DATETIME	TIMEZONE
1	1	123 Main St, City1	In-Person	28-OCT-23	PST
2	2	143 Main St, City2	In-Person	25-OCT-23	EST
3	3	https://zoom.us/j/123	Online	15-OCT-23	ADT
4	4	193 University St, City4	In-Person	25-OCT-23	CDT
5	5	https://zoom.us/j/456	Online	10-OCT-23	MST

During:

Recruiter Reviews Applications

Review

Editing interview for id: 2

Interview ID: 2

Job Post Id*: 9 ▼

Location*: https://zoom.us/j/666

Interview Mode*: Online ▼

Date and Time*: 2023-12-01, 11:00 AM 📅

Timezone*: PST

Save Changes

After:

Scheduled Interviews

Interview Id	Job Post Id	Location	Interview Mode	Date and Time	Timezone	Interviewer Info	Actions
2	9	https://zoom.us/j/666	Online	December 1, 2023 11:00 AM	PST	ID: 2 Name: Jone Contact: 222-222-3333	<div>Edit</div> <div>Delete</div>

1 interview

ScheduledInterviews Table:

INTERVIEWID	JOBPOSTID	LOCATION	INTERVIEWMODE	DATETIME	TIMEZONE
1	1	123 Main St, City1	In-Person	28-OCT-23	PST
2	9	https://zoom.us/j/666	Online	01-DEC-23	PST
3	3	https://zoom.us/j/123	Online	15-OCT-23	ADT
4	4	193 University St, City4	In-Person	25-OCT-23	CDT
5	5	https://zoom.us/j/456	Online	10-OCT-23	MST

Selection Operation

Before:

University of British Columbia, Vancouver

Department of Computer Science

	USERNAME	NAME	EMAILADDRESS	PHONENUMBER	DESCRIPTION
1	john_doe	John Doe	john.doe@email.com	123-456-7890	Description of John
2	jane_smith	Jane Smith	jane.smith@email.com	234-567-8901	Description of Jane
3	michael_johnson	Michael Johnson	michael.johnson@email.com	345-678-9012	Description of Michael
4	emily_brown	Emily Brown	emily.brown@email.com	456-789-0123	Description of Emily
5	william_davis	William Davis	william.davis@email.com	567-890-1234	Description of William
6	olivia_wilson	Olivia Wilson	olivia.wilson@email.com	678-901-2345	Description of Olivia
7	james_miller	James Miller	james.miller@email.com	789-012-3456	Description of James
8	ava_jones	Ava Jones	ava.jones@email.com	890-123-4567	Description of Ava
9	robert_lee	Robert Lee	robert.lee@email.com	901-234-5678	Description of Robert
10	sophia_taylor	Sophia Taylor	sophia.taylor@email.com	012-345-6789	Description of Sophia

During:

Click Find Users on the home page:

Find User(s)

Find User(s)

Find User(s)

1st Attribute: Name = John Doe

2nd Attribute: OR EmailAddress = jane.smith@email.com

3rd Attribute: None =

Find User(s)

Go Back to Main Page

After:

UserName	Name	Email Address	Phone Number	Description
john_doe	John Doe	john.doe@email.com	123-456-7890	Description of John
jane_smith	Jane Smith	jane.smith@email.com	234-567-8901	Description of Jane

Projection Operation

Before (choose JobPosts as an example):

University of British Columbia, Vancouver

Department of Computer Science

	JOBPOSTID	RECRUITERID	TITLE	LOCATION	SALARY	POSTDATE	JOBTYPE	DESCRIPTION	DEADLINE	NUMOFAPPLICATIONS	REQUIREMENTS
1	1	john_doe	Software Engineer	Online	80000	2023-10-18	Full-time	We are looking fo...	2023-11-15	4	Bachelor's degree in Computer Science, Proficien...
2	2	jane_smith	Marketing Manager	456 Elm Avenu...	70000	2023-10-19	Full-time	We need an experi...	2023-11-20	1	Bachelor's degree in Marketing, 5+ years of mari...
3	3	michael_johnson	Data Analyst	123 Main Stre...	30000	2023-10-19	Internship	We are hiring a d...	2023-11-10	1	Strong data analysis skills, familiarity with Py...
4	4	emily_brown	Graphic Designer	Online	66000	2023-10-21	Full-time	Looking for a cre...	2023-11-25	1	Graphic design experience, proficiency in Adobe...
5	5	william_davis	Product Manager	101 Pine Road...	45000	2023-10-22	Full-time	We are seeking a ...	2023-11-30	0	Excellent communication skills, product managem...
6	6	john_doe	Product Manager	Online	90000	2023-11-05	Full-time	Looking for an ex...	2023-12-05	3	5+ years of product management experience, stro...
7	7	john_doe	Data Analyst	Online	85000	2023-11-10	Full-time	We are hiring a d...	2023-12-10	4	Ph.D. in Computer Science, experience with mach...
8	8	william_davis	Data Analyst	101 Pine Road...	55000	2023-10-22	Full-time	We are seeking a ...	2023-11-30	0	Excellent coding skills
9	9	jane_smith	Product Manager	456 Elm Avenu...	60000	2023-10-19	Full-time	We need an experi...	2023-11-20	0	Bachelor's degree in Business/STEM, 3+ years of

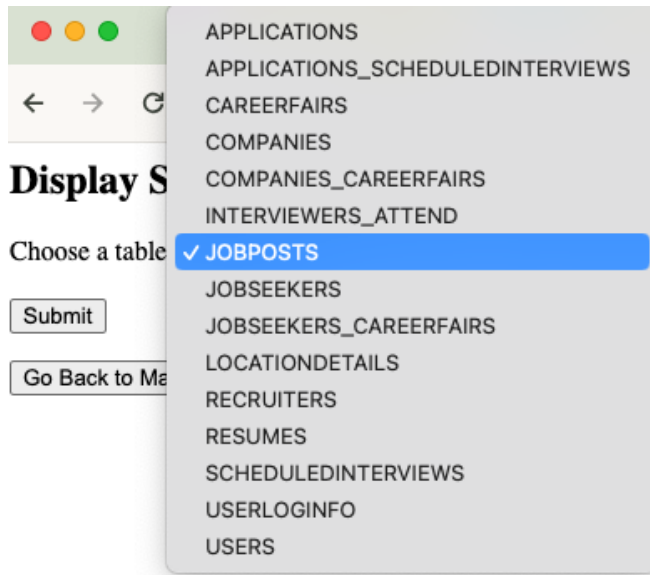
During:

Click View All Tables on the home page:

View All Table

View All Table

Select the table Applications and Click submit



Display Selected Attributes from Selected Table

Choose attribute(s) for JOBPOSTS:

- ☐ JOBPOSTID
- ☐ RECRUITERID
- ☒ TITLE
- ☒ LOCATION
- ☒ SALARY
- ☐ POSTDATE
- ☒ JOBTTYPE
- ☒ DESCRIPTION
- ☒ DEADLINE
- ☒ REQUIREMENTS
- ☒ NUMOFAPPLICATIONS

Submit

Go back to select table

Go Back to Main Page

After:

TITLE	LOCATION	SALARY	JOBTTYPE	DESCRIPTION	DEADLINE	REQUIREMENTS	NUMOFAPPLICATIONS
Software Engineer	Online	80000	Full-time	We are looking for a software engineer with strong programming skills.	15-NOV-23	Bachelor's degree in Computer Science, Proficiency in Java, 2+ years of experience	4
Marketing Manager	456 Elm Avenue, Toronto	70000	Full-time	We need an experienced marketing manager to lead our marketing team.	20-NOV-23	Bachelor's degree in Marketing, 5+ years of marketing experience	1
Data Analyst	123 Main Street, Vancouver	30000	Internship	We are hiring a data analyst intern for a short-term project.	10-NOV-23	Strong data analysis skills, familiarity with Python and database	1
Graphic Designer	Online	66000	Full-time	Looking for a creative graphic designer to work on various design projects.	25-NOV-23	Graphic design experience, proficiency in Adobe Creative Suite	1
Customer Support Representative	101 Pine Road, Calgary	45000	Full-time	We are seeking a customer support representative to assist our customers.	30-NOV-23	Excellent communication skills, customer service experience	0
Product Manager	Online	90000	Full-time	Looking for an experienced product manager to lead product development.	05-DEC-23	5+ years of product management experience, strong leadership skills	3
Data Analyst	Online	85000	Full-time	We are hiring a data analyst with expertise in machine learning.	10-DEC-23	Ph.D. in Computer Science, experience with machine learning algorithms	4
Data Analyst	101 Pine Road, Calgary	55000	Full-time	We are seeking a data analyst with Python and R skills.	30-NOV-23	Excellent coding skills	0
Product Manager	456 Elm Avenue, Toronto	60000	Full-time	We need an experienced product manager to lead our development team.	20-NOV-23	Bachelor's degree in Business/STEM, 3+ years of management experience	0

Join

Before:

Applications Table:

	APPLICATIONID	RECRUITERID	JOBPOSTID	CREATEDATE	COVERLETTER	RESUME	STATUS	APPLYDATE
1		1 john_doe		1 2023-10-19	http://example.com/coverLetter1-olivia_wilson	http://example.com/resume1-olivia_wilson	Under Review	2023-10-20
2		2 jane_smith		2 2023-10-20	<null>	http://example.com/resume1-james_miller	Interviewing	2023-10-20
3		3 michael_johnson		3 2023-10-21	http://example.com/coverLetter1-ava_jones	http://example.com/resume1-ava_jones	Interviewing	2023-10-22
4		4 emily_brown		4 2023-10-30	http://example.com/coverLetter1-robert_lee	http://example.com/resume1-robert_lee	Accepted	2023-10-30
5		5 <null>		<null> 2023-10-10	http://example.com/coverLetter1-sophia_taylor	http://example.com/resume1-sophia_taylor	Incomplete application	<null>
6		6 john_doe		6 2023-11-02	http://example.com/coverLetter2-olivia_wilson	http://example.com/resume1-olivia_wilson	Under Review	2023-11-03
7		7 john_doe		7 2023-11-06	http://example.com/coverLetter3-olivia_wilson	http://example.com/resume1-olivia_wilson	Under Review	2023-11-07
8		8 john_doe		6 2023-11-15	http://example.com/coverLetter1-james_miller	http://example.com/resume1-james_miller	Under Review	2023-11-16
9		9 john_doe		7 2023-11-18	http://example.com/resume2-james_miller	http://example.com/resume1-james_miller	Under Review	2023-11-19
10		10 john_doe		6 2023-11-11	http://example.com/coverLetter2-ava_jones	http://example.com/resume1-ava_jones	Under Review	2023-11-12
11		11 john_doe		7 2023-11-11	http://example.com/coverLetter3-ava_jones	http://example.com/resume1-ava_jones	Under Review	2023-11-12
12		12 john_doe		7 2023-11-20	<null>	http://example.com/resume1-robert_lee	Under Review	2023-11-21
13		13 john_doe		1 2023-11-06	http://example.com/coverLetter4-ava_jones	http://example.com/resume1-ava_jones	Under Review	2023-11-07
14		14 john_doe		1 2023-11-15	http://example.com/coverLetter1-james_miller	http://example.com/resume1-james_miller	Under Review	2023-11-16
15		15 john_doe		1 2023-11-15	<null>	http://example.com/resume1-robert_lee	Under Review	2023-11-16

Resumes Table:

University of British Columbia, Vancouver

Department of Computer Science

	🔗 RESUME	🔗 JOBSEEKERID
1	http://example.com/resume1-olivia_wilson	olivia_wilson
2	http://example.com/resume1-james_miller	james_miller
3	http://example.com/resume1-ava_jones	ava_jones
4	http://example.com/resume1-robert_lee	robert_lee
5	http://example.com/resume1-sophia_taylor	sophia_taylor

Users Table:

	🔗 USERNAME	🔗 NAME	🔗 EMAILADDRESS	🔗 PHONENUMBER	🔗 DESCRIPTION
1	john_doe	John Doe	john.doe@email.com	123-456-7890	Description of John
2	jane_smith	Jane Smith	jane.smith@email.com	234-567-8901	Description of Jane
3	michael_johnson	Michael Johnson	michael.johnson@email.com	345-678-9012	Description of Michael
4	emily_brown	Emily Brown	emily.brown@email.com	456-789-0123	Description of Emily
5	william_davis	William Davis	william.davis@email.com	567-890-1234	Description of William
6	olivia_wilson	Olivia Wilson	olivia.wilson@email.com	678-901-2345	Description of Olivia
7	james_miller	James Miller	james.miller@email.com	789-012-3456	Description of James
8	ava_jones	Ava Jones	ava.jones@email.com	890-123-4567	Description of Ava
9	robert_lee	Robert Lee	robert.lee@email.com	901-234-5678	Description of Robert
10	sophia_taylor	Sophia Taylor	sophia.taylor@email.com	012-345-6789	Description of Sophia

During:

The recruiter who logged in (username: john_doe password: johnpassword123):

Hi! john_doe

Recruiter Reviews Applications

Review

After:

Applications:

Application ID	Job Post ID	Job Seeker Name	Resume	Cover Letter	Status	Create Date	Apply Date	Action
1	1	Olivia Wilson	Resume	Cover Letter	Under Review	19-OCT-23	20-OCT-23	Schedule Interview
6	6	Olivia Wilson	Resume	Cover Letter	Under Review	02-NOV-23	03-NOV-23	Schedule Interview
7	7	Olivia Wilson	Resume	Cover Letter	Under Review	06-NOV-23	07-NOV-23	Schedule Interview
8	6	James Miller	Resume	Cover Letter	Under Review	15-NOV-23	16-NOV-23	Schedule Interview
9	7	James Miller	Resume	Cover Letter	Under Review	18-NOV-23	19-NOV-23	Schedule Interview
10	6	Ava Jones	Resume	Cover Letter	Under Review	11-NOV-23	12-NOV-23	Schedule Interview
11	7	Ava Jones	Resume	Cover Letter	Under Review	11-NOV-23	12-NOV-23	Schedule Interview
12	7	Robert Lee	Resume		Under Review	20-NOV-23	21-NOV-23	Schedule Interview
13	1	Ava Jones	Resume	Cover Letter	Under Review	06-NOV-23	07-NOV-23	Schedule Interview
14	1	James Miller	Resume	Cover Letter	Under Review	15-NOV-23	16-NOV-23	Schedule Interview
15	1	Robert Lee	Resume		Under Review	15-NOV-23	16-NOV-23	Schedule Interview

Save

Aggregation with Group By

Before:

JobPosts Table:

	JOBPOSTID	RECRUITERID	TITLE	LOCATION	SALARY	POSTDATE	JOBTYPE	DESCRIPTION	DEADLINE	NUMOFAPPLICATIONS	REQUIREMENTS
1	1	john_doe	Software Engineer	Online	80000	2023-10-18	Full-time	We are looking fo...	2023-11-15		4 Bachelor's degree in Computer Science, Proficient
2	2	jane_smith	Marketing Manager	456 Elm Avenu...	70000	2023-10-19	Full-time	We need an experi...	2023-11-20		1 Bachelor's degree in Marketing, 5+ years of mar
3	3	michael_johnson	Data Analyst	123 Main Stre...	30000	2023-10-19	Internship	We are hiring a d...	2023-11-10		1 Strong data analysis skills, familiarity with P
4	4	emily_brown	Graphic Designer	Online	60000	2023-10-21	Full-time	Looking for a cre...	2023-11-25		1 Graphic design experience, proficiency in Adobe
5	5	william_davis	Product Manager	101 Pine Road...	45000	2023-10-22	Full-time	We are seeking a ...	2023-11-30		0 Excellent communication skills, product managem
6	6	john_doe	Product Manager	Online	90000	2023-11-05	Full-time	Looking for an ex...	2023-12-05		3 5+ years of product management experience, stro
7	7	john_doe	Data Analyst	Online	85000	2023-11-10	Full-time	We are hiring a d...	2023-12-10		4 Ph.D. in Computer Science, experience with mach:
8	8	william_davis	Data Analyst	101 Pine Road...	55000	2023-10-22	Full-time	We are seeking a ...	2023-11-30		0 Excellent coding skills
9	9	jane_smith	Product Manager	456 Elm Avenu...	60000	2023-10-19	Full-time	We need an experi...	2023-11-20		0 Bachelor's degree in Business/STEM, 3+ years of

During:

Any job seeker can log in to view the results. (Eg. username: olivia_wilson password: oliviapassword789)

Find the Average Salary by Job Title

Find

After:

Department of Computer Science

Any job seeker can log in to view the results. (Eg. username: olivia_wilson password: oliviapassword789)

University of British Columbia, Vancouver

Department of Computer Science

Find the Average Salary for Each Company That Have More Than One Job Posted

Find

After:

Company Id	Company Name	Average Salary
1	ABC Inc.	85000
2	XYZ Corp	65000
5	Acme Industries	50000

Nested Aggregation with Group By

Before:

Companies Table:

	COMPANYID	COMPANYNAME	ADDRESS
1	1	ABC Inc.	123 Main Street, Vancouver
2	2	XYZ Corp	456 Elm Avenue, Toronto
3	3	Tech Solutions Ltd.	789 Oak Lane, Montreal
4	4	Global Innovations	101 Pine Road, Calgary
5	5	Acme Industries	222 Cedar Street, Edmonton

Recruiters Table:

	USERNAME	COMPANYID
1	john_doe	1
2	jane_smith	2
3	michael_johnson	3
4	emily_brown	4
5	william_davis	5

JobPosts Table:

	JOBPOSTID	RECRUITERID	TITLE	LOCATION	SALARY	POSTDATE	JOBTYPE	DESCRIPTION	DEADLINE	NUMOFAPPLICATIONS	REQUIREMENTS
1	1	john_doe	Software Engineer	Online	80000	2023-10-18	Full-time	We are looking fo...	2023-11-15	4	Bachelor's degree in Computer Science, Proficien...
2	2	jane_smith	Marketing Manager	456 Elm Avenu...	70000	2023-10-19	Full-time	We need an experi...	2023-11-20	1	Bachelor's degree in Marketing, 5+ years of mar...
3	3	michael_johnson	Data Analyst	123 Main Stre...	30000	2023-10-19	Internship	We are hiring a d...	2023-11-10	1	Strong data analysis skills, familiarity with P...
4	4	emily_brown	Graphic Designer	Online	60000	2023-10-21	Full-time	Looking for a cre...	2023-11-25	1	Graphic design experience, proficiency in Adobe...
5	5	william_davis	Product Manager	101 Pine Road...	45000	2023-10-22	Full-time	We are seeking a ...	2023-11-30	0	Excellent communication skills, product managem...
6	6	john_doe	Product Manager	Online	90000	2023-11-05	Full-time	Looking for an ex...	2023-12-05	3	5+ years of product management experience, stro...
7	7	john_doe	Data Analyst	Online	85000	2023-11-10	Full-time	We are hiring a d...	2023-12-10	4	Ph.D. in Computer Science, experience with mach...
8	8	william_davis	Data Analyst	101 Pine Road...	55000	2023-10-22	Full-time	We are seeking a ...	2023-11-30	0	Excellent coding skills
9	9	jane_smith	Product Manager	456 Elm Avenu...	60000	2023-10-19	Full-time	We need an experi...	2023-11-20	0	Bachelor's degree in Business/STEM, 3+ years of

During:

Any job seeker can log in to view the results. (Eg. username: olivia_wilson password: oliviapassword789)

Find the Company with Recruiters Posting Jobs Exceeding the Overall Average Salary of All Job Posts

Find

After:

Company Id	Company Name	Average Salary
2	XYZ Corp	65000
4	Global Innovations	66000
1	ABC Inc.	85000

Division

Before:

Applications Table:

	APPLICATIONID	RECRUITERID	JOBPOSTID	CREATEDATE	COVERLETTER	RESUME	STATUS	APPLYDATE
1	1	john_doe	1	2023-10-19	http://example.com/coverLetter1-olivia_wilson	http://example.com/resume1-olivia_wilson	Under Review	2023-10-20
2	2	jane_smith	2	2023-10-20	<null>	http://example.com/resume1-james_miller	Interviewing	2023-10-20
3	3	michael_johnson	3	2023-10-21	http://example.com/coverLetter1-ava_jones	http://example.com/resume1-ava_jones	Interviewing	2023-10-22
4	4	emily_brown	4	2023-10-30	http://example.com/coverLetter1-robert_lee	http://example.com/resume1-robert_lee	Accepted	2023-10-30
5	5	<null>	2023-10-10	<null>	http://example.com/coverLetter1-sophia_taylor	http://example.com/resume1-sophia_taylor	Incomplete application	<null>
6	6	john_doe	6	2023-11-02	http://example.com/coverLetter2-olivia_wilson	http://example.com/resume1-olivia_wilson	Under Review	2023-11-03
7	7	john_doe	7	2023-11-06	http://example.com/coverLetter3-olivia_wilson	http://example.com/resume1-olivia_wilson	Under Review	2023-11-07
8	8	john_doe	6	2023-11-15	http://example.com/coverLetter1-james_miller	http://example.com/resume1-james_miller	Under Review	2023-11-16
9	9	john_doe	7	2023-11-18	http://example.com/resume2-james_miller	http://example.com/resume1-james_miller	Under Review	2023-11-19
10	10	john_doe	6	2023-11-11	http://example.com/coverLetter2-ava_jones	http://example.com/resume1-ava_jones	Under Review	2023-11-12
11	11	john_doe	7	2023-11-11	http://example.com/coverLetter3-ava_jones	http://example.com/resume1-ava_jones	Under Review	2023-11-12
12	12	john_doe	7	2023-11-20	<null>	http://example.com/resume1-robert_lee	Under Review	2023-11-21
13	13	john_doe	1	2023-11-06	http://example.com/coverLetter4-ava_jones	http://example.com/resume1-ava_jones	Under Review	2023-11-07
14	14	john_doe	1	2023-11-15	http://example.com/coverLetter1-james_miller	http://example.com/resume1-james_miller	Under Review	2023-11-16
15	15	john_doe	1	2023-11-15	<null>	http://example.com/resume1-robert_lee	Under Review	2023-11-16

Resumes Table:

	RESUME	JOBSEEKERID
1	http://example.com/resume1-olivia_wilson	olivia_wilson
2	http://example.com/resume1-james_miller	james_miller
3	http://example.com/resume1-ava_jones	ava_jones
4	http://example.com/resume1-robert_lee	robert_lee
5	http://example.com/resume1-sophia_taylor	sophia_taylor

JobPosts Table:

	JOBPOSTID	RECRUITERID	TITLE	LOCATION	SALARY	POSTDATE	JOBTYPE	DESCRIPTION	DEADLINE	NUMOFAPPLICATIONS	REQUIREMENTS
1	1	john_doe	Software Engineer	Online	80000	2023-10-18	Full-time	We are looking fo...	2023-11-15	4	Bachelor's degree in Computer Science, Proficien...
2	2	jane_smith	Marketing Manager	456 Elm Avenu...	70000	2023-10-19	Full-time	We need an experi...	2023-11-20	1	Bachelor's degree in Marketing, 5+ years of mar...
3	3	michael_johnson	Data Analyst	123 Main Stre...	30000	2023-10-19	Internship	We are hiring a d...	2023-11-10	1	Strong data analysis skills, familiarity with P...
4	4	emily_brown	Graphic Designer	Online	60000	2023-10-21	Full-time	Looking for a cre...	2023-11-25	1	Graphic design experience, proficiency in Adobe...
5	5	william_davis	Product Manager	101 Pine Road...	45000	2023-10-22	Full-time	We are seeking a ...	2023-11-30	0	Excellent communication skills, product managem...
6	6	john_doe	Product Manager	Online	90000	2023-11-05	Full-time	Looking for an ex...	2023-12-05	3	5+ years of product management experience, stro...
7	7	john_doe	Data Analyst	Online	85000	2023-11-10	Full-time	We are hiring a d...	2023-12-10	4	Ph.D. in Computer Science, experience with mach...
8	8	william_davis	Data Analyst	101 Pine Road...	55000	2023-10-22	Full-time	We are seeking a ...	2023-11-30	0	Excellent coding skills
9	9	jane_smith	Product Manager	456 Elm Avenu...	60000	2023-10-19	Full-time	We need an experi...	2023-11-20	0	Bachelor's degree in Business/STEM, 3+ years of

JobSeekers Table

University of British Columbia, Vancouver

Department of Computer Science

	🔍 USERNAME ↕
1	ava_jones
2	james_miller
3	olivia_wilson
4	robert_lee
5	sophia_taylor

During:

The recruiter who logged in (username: john_doe password: johnpassword123):

Hi! john_doe

Find Jobseekers Who Have Applied for All Jobs Posted by the Recruiter (Division)

Submit

After:

Job Seeker
ava_jones
james_miller
olivia_wilson