

RECRUITMENT MANAGEMENT SYSTEM

T-WORK JOB COMPANY RECRUITMENT

A System Proposal presented to the
Faculty of the College of Computer and Information Sciences,
Polytechnic University of the Philippines

In partial fulfillment for the course
COMP 20093 – Information Management

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I. Background / Overview of the Project

The recruitment process is managed by our Recruitment Management System (RMS), which includes a collection of tools specifically built for that purpose. T-Work Job Recruitment Company provides assistance to candidates and allows them to arrange the recruitment needs that they desire. This assistance ranges from handling the job application to maintaining applicants' connections and engagement throughout the process. Because of the intense competition in recruitment, particularly for applicants with highly marketable technological talents, there has been a growing interest in more advanced recruiting methods. Both job searchers and recruiters stand to benefit from the increased productivity afforded by these newly developed technologies.

Its primary aim is to provide companies, organizations, and businesses with an organized recruitment management system that they can use to develop the most qualified, and competent job applicants who are also enthusiastic about their profession and ready to start working. The importance of the Recruitment Management System is to provide an efficient and convenient way to store valuable data information about the applicants. Because of this, businesses are able to conduct the recruiting process more effectively and save a significant amount of time.

Business Rules:

1. The company requires applicants to have at least one (1) work experience.
2. An applicant should have exactly one (1) active phone number, one (1) active work email address and one (1) current living address.
3. An applicant should attain at least one (1) degree as their highest level of educational attainment.

Manual Form

Figure 1, Image of the manual application form used for the project



APPLICATION FORM

T-WORK JOB COMPANY RECRUITMENT

ApplicationNo: _____

PERSONAL INFORMATION

Last Name: _____ First Name: _____ MI: _____

Email Address: _____ Phone Number: _____ Birthday: _____ Age: _____ Sex: _____

Home Address

Street/House No./Building No./ Village/ Subd.: _____

Barangay: _____ City: _____ Province: _____ Zip Code: _____

Highest Education Attainment

Educ ID	School	School Address	Degree/s	Year Graduated

Work Experience

Work ID	Company	Position	Date Started	Date Ended	Length of Service

II. Normalization

Legends:
<u>Primary Key</u>
Partial Functional Dependency
Full Dependency
<u>Foreign Key</u>

- Unnormalized Form**

App Table (ApplicationNo, FirstName, LastName, MI, Email, PhoneNum, Birthdate, Age, Sex, Adrs, Barangay, City, Province, ZipCode, {EducID, School, School_Add, Degree, Year_Grad, WorkID, Company, Position, DateStarted, DateEnded, LengthService}))

App Table

ApplicationNo	FirstName	LastName	MI	Email	PhoneNum
1	Mary Jane	Lastimosa	Y	lastimosa.mjane@yahoo.com	(+63)9064557612
2	Jack Mario	Morer	W	marioworkingmorer@gmail.com	(+63)9201167298

Birthdate	Age	Sex	Adrs	Barangay	City
1995-01-01	27	F	Blk 4 Lot 15 Ph 5 Sampaguita St. Sunshine Village	Brgy. San Roque Calumpang	Marikina
1993-05-28	28	M	Mapagmahal St. Cool Village	Brgy. Dimatibag	Santiago

Province	ZipCode	<u>EducID</u>	School	School_Add	Degree	Year_Grad
Metro Manila	1801	1	Ateneo de Manila	Katipunan Ave., Quezon City	BSCS	2015
Isabela	3311	2 3	Cagayan Valley Computer Information Technology College University of the Philippines	Santiago, Isabela Diliman, Quezon	BSIT BSCE	2012 2016

WorkID	Company	Position	DateStarted	DateEnded	LengthService
1	Banana Tech Inc. Concentrix Corporation	Programmer Analyst	2015-07-13	2020-07-13	5.00
2		Customer Service Representative	2020-11-22	2021-11-22	1.00
3	Techner Juicy Corp. Techtilaok Inc.	Systems Analyst	2016-04-08	2018-11-08	2.58
4		Senior Programmer	2018-12-12	2022-05-01	3.50

- INF (1st Normalization Form)**

App Table (ApplicationNo, FirstName, LastName, MI, Email, PhoneNum, Birthdate, Age, Sex, Adrs, Barangay, City, Province, ZipCode, EducID, School, School_Add, Degree, Year_Grad, WorkID, Company, Position, DateStarted, DateEnded, LengthService)

App Table

ApplicationNo	FirstName	LastName	MI	Email	PhoneNum
1	Mary Jane	Lastimosa	Y	lastimosa.mjane@yahoo.com	(+63)9064557612
1	Mary Jane	Lastimosa	Y	lastimosa.mjane@yahoo.com	(+63)9064557612
2	Jack Mario	Morer	W	marioworkingmorer@gmail.com	(+63)9201167298
2	Jack Mario	Morer	W	marioworkingmorer@gmail.com	(+63)9201167298

Birthdate	Age	Sex	Adrs	Barangay	City
1995-01-01	27	F	Blk 4 Lot 15 Ph 5 Sampaguita St. Sunshine Village	Brgy. San Roque Calumpang	Marikina
1995-01-01	27	F	Blk 4 Lot 15 Ph 5 Sampaguita St. Sunshine Village	Brgy. San Roque Calumpang	Marikina
1993-05-28	28	M	Mapagmahal St. Cool Village	Brgy. Dimatibag	Santiago
1993-05-28	28	M	Mapagmahal St. Cool Village	Brgy. Dimatibag	Santiago

Province	ZipCode	EducID	School	School_Add	Degree	Year_Grad
Metro Manila	1801	1	Ateneo de Manila	Katipunan Ave., Quezon City	BSCS	2015
Metro Manila	1801	2	Ateneo de Manila	Katipunan Ave., Quezon City	BSCS	2015
Isabela	3311	3	Cagayan Valley Computer Information Technology College	Santiago, Isabela	BSIT	2012
Isabela	3311	4	University of the Philippines	Diliman, Quezon	BSCE	2016

WorkID	Company	Position	DateStarted	DateEnded	LengthService
1	Banana Tech Inc.	Programmer Analyst	2015-07-13	2020-07-13	5.00
2	Concentrix Corporation	Customer Service Representative	2020-11-22	2021-11-22	1.00
3	Techner Juicy Corp.	Systems Analyst	2016-04-08	2018-11-08	2.58
4	Techtilaok Inc.	Senior Programmer	2018-12-12	2022-05-01	3.50

- **2NF (2nd Normalization Form)**

App Table (ApplicationNo, FirstName, LastName, MI, Email, PhoneNum, Birthdate, Age, Sex, Adrs, Barangay, City, Province, ZipCode)

Educ_attained Table (ApplicationNo, EducID, School, School_Add, Year_Grad, Degree)

WorkExp Table (ApplicationNo, WorkID, Company, Position, DateStarted, DateEnded, LengthService)

App Table

ApplicationNo	FirstName	LastName	MI	Email
1	Mary Jane	Lastimosa	Y	lastimosa.mjane@yahoo.com
2	Jack Mario	Morer	W	marioworkingmorer@gmail.com

PhoneNum	Birthdate	Age	Sex	Adrs
(+63)9064557612	1995-01-01	27	F	Blk 4 Lot 15 Ph 5 Sampaguita St. Sunshine Village
(+63)9201167298	1993-05-28	28	M	Mapagmahal St. Cool Village

Barangay	City	Province	ZipCode
Brgy. San Roque Calumpang	Marikina	Metro Manila	1801
Brgy. Dimatibag	Santiago	Isabela	3311

Educ_attained Table

EduclD	ApplicationNo	School
1	1	Ateneo de Manila
3	2	Cagayan Valley Computer Information Technology College
4	2	University of the Philippines

School_Add	Year_Grad	Degree
Katipunan Ave., Quezon City	2015	BSCS
Santiago, Isabela	2012	BSIT
Diliman, Quezon	2016	BSCE

WorkExp Table

ApplicationNo	WorkID	Company	Position
1	1	Banana Tech Inc.	Programmer Analyst
1	2	Concentrix Corporation	Customer Service Representative
2	3	Techner Juicy Corp.	Systems Analyst
2	4	Techtilaok Inc.	Senior Programmer

DateStarted	DateEnded	LengthService
2015-07-13	2020-07-13	5.00
2020-11-22	2021-11-22	1.00
2016-04-08	2018-11-08	2.58
2018-12-12	2022-05-01	3.50

- **3NF (3rd Normalization Form)**

App Table (ApplicationNo, FirstName, LastName, MI, Email, PhoneNum, Birthdate, Age, Sex, Adrs, Barangay, City, Province, ZipCode)

Educ_attained Table (ApplicationNo, EducID, School, School_Add, Year_Grad, Degree)

WorkExp Table (ApplicationNo, WorkID, Company, Position, DateStarted, DateEnded, LengthService)

App Table

ApplicationNo	FirstName	LastName	MI	Email
1	Mary Jane	Lastimosa	Y	lastimosa.mjane@yahoo.com
2	Jack Mario	Morer	W	marioworkingmorer@gmail.com

PhoneNum	Birthdate	Age	Sex	Adrs
(+63)9064557612	1995-01-01	27	F	Blk 4 Lot 15 Ph 5 Sampaguita St. Sunshine Village
(+63)9201167298	1993-05-28	28	M	Mapagmahal St. Cool Village

Barangay	City	Province	ZipCode
Brgy. San Roque Calumpang	Marikina	Metro Manila	1801
Brgy. Dimatibag	Santiago	Isabela	3311

Educ_attained Table

<u>EduclD</u>	<u>ApplicationNo</u>	School
1	1	Ateneo de Manila
2	2	Cagayan Valley Computer Information Technology College
3	2	University of the Philippines

School_Add	Year_Grad	Degree
Katipunan Ave., Quezon City	2015	BSCS
Santiago, Isabela	2012	BSIT
Diliman, Quezon	2016	BSCE

WorkExp Table

<u>ApplicationNo</u>	<u>WorkID</u>	Company	Position
1	1	Banana Tech Inc.	Programmer Analyst
1	2	Concentrix Corporation	Customer Service Representative
2	3	Techner Juicy Corp.	Systems Analyst
2	4	Techtilaok Inc.	Senior Programmer

DateStarted	DateEnded	LengthService
2015-07-13	2020-07-13	5.00
2020-11-22	2021-11-22	1.00
2016-04-08	2018-11-08	2.58
2018-12-12	2022-05-01	3.50

III. Entity Relationship Diagram



IV. Data Dictionary

App Table

	Attribute Name	Data Type	Size	Allowable Values	Other Constraints
PK	ApplicationNo	Int	6		
	FirstName	Varchar	50		required
	LastName	Varchar	50		required
	MI	Varchar	4		required
	Email	Varchar	50		required
	PhoneNumber	Varchar	15		required
	Birthdate	Date			required
	Age	Integer	3		required
	Sex	Varchar	1	F, M	required
	Adrs	Varchar	100		required
	Barangay	Varchar	20		required
	City	Varchar	20		required
	Province	Varchar	20		required
	ZipCode	Integer	5		required

Educ_attained Table

	Attribute Name	Data Type	Size	Allowable Values	Other Constraints
PK	ApplicationNo	Int	11		
PK	EducID	Int	11		
	School	Varchar	100		required
	School_Add	Varchar	100		required
	Year_Grad	Int	4		required
	Degree	Varchar	100		required

WorkExp Table

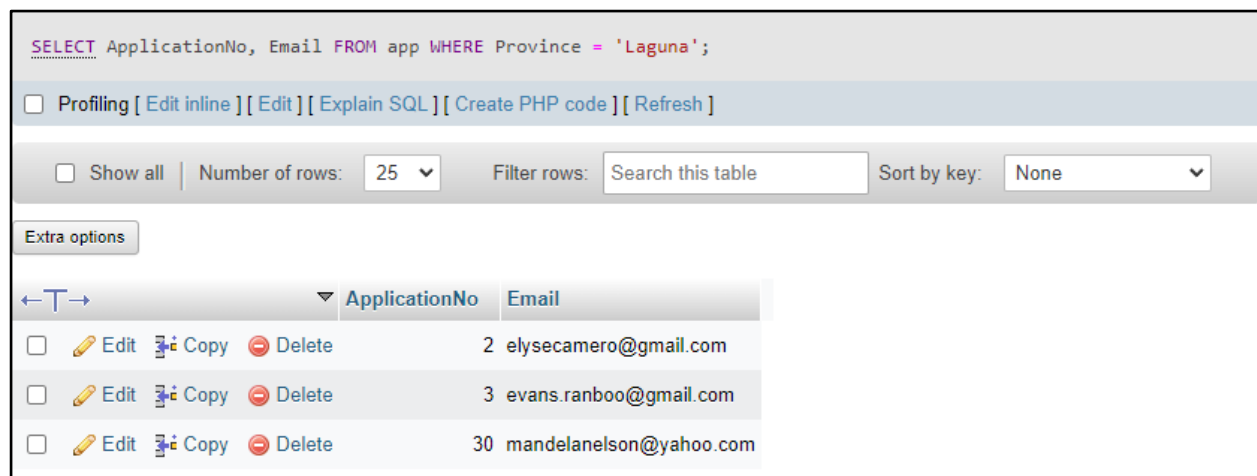
	Attribute Name	Data Type	Size	Allowable Values	Other Constraints
PK	ApplicationNo	Int	11		
PK	WorkID	Int	11		
	Company	Varchar	50		required
	Position	Varchar	50		required
	DateStarted	Date			required
	DateEnded	Date			required
	LengthService	Double			required

VI. SQL Statements

EASY

1. A hiring company is looking for the email address of those who applied at the first date of application. Display the Applicant ID and Email Address of those who lived in Laguna.

```
SELECT ApplicationNo, Email
FROM app
WHERE Province = 'METRO MANILA';
```



`SELECT ApplicationNo, Email FROM app WHERE Province = 'Laguna';`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

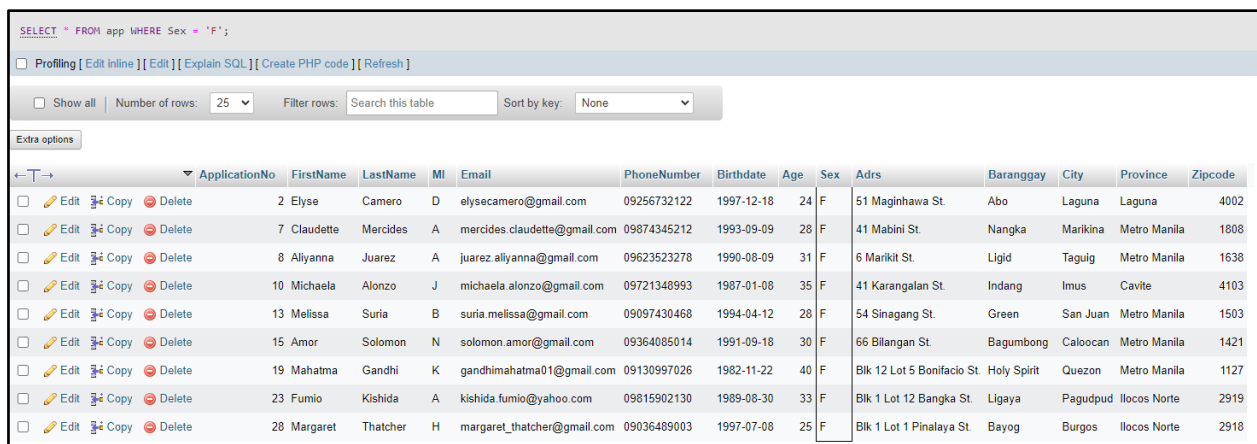
☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	ApplicationNo	Email
<input type="checkbox"/> Edit Copy Delete	2	elysecamero@gmail.com
<input type="checkbox"/> Edit Copy Delete	3	evans.ranboo@gmail.com
<input type="checkbox"/> Edit Copy Delete	30	mandelanelson@yahoo.com

2. A hiring employer requires applicants who are female. Display all of the Applicant information of those applicants whose sex are Females.

```
SELECT *
FROM app
WHERE Sex = 'F';
```



`SELECT * FROM app WHERE Sex = 'F';`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	ApplicationNo	FirstName	LastName	MI	Email	PhoneNumber	Birthdate	Age	Sex	Adrs	Baranggay	City	Province	Zipcode
<input type="checkbox"/> Edit Copy Delete	2	Elyse	Camero	D	elysecamero@gmail.com	09256732122	1997-12-18	24	F	51 Maginhawa St.	Abo	Laguna	Laguna	4002
<input type="checkbox"/> Edit Copy Delete	7	Claudette	Mercides	A	mercides.claudette@gmail.com	09874345212	1993-09-09	28	F	41 Mabini St.	Nangka	Marikina	Metro Manila	1808
<input type="checkbox"/> Edit Copy Delete	8	Aliyanna	Juarez	A	juarez.aliyanna@gmail.com	09623523278	1990-08-09	31	F	6 Marikit St.	Ligid	Taguig	Metro Manila	1638
<input type="checkbox"/> Edit Copy Delete	10	Michaela	Alonzo	J	michaela.alonzo@gmail.com	09721348993	1987-01-08	35	F	41 Karangalan St.	Indang	Imus	Cavite	4103
<input type="checkbox"/> Edit Copy Delete	13	Melissa	Suria	B	suria.melissa@gmail.com	09097430468	1994-04-12	28	F	54 Sinagang St.	Green	San Juan	Metro Manila	1503
<input type="checkbox"/> Edit Copy Delete	15	Amor	Solomon	N	solomon.amor@gmail.com	09364085014	1991-09-18	30	F	66 Bilangan St.	Bagumbong	Caloocan	Metro Manila	1421
<input type="checkbox"/> Edit Copy Delete	19	Mahatma	Gandhi	K	gandhimahatma01@gmail.com	09130997026	1982-11-22	40	F	Blk 12 Lot 5 Bonifacio St.	Holy Spirit	Quezon	Metro Manila	1127
<input type="checkbox"/> Edit Copy Delete	23	Fumio	Kishida	A	kishida.fumio@yahoo.com	09815902130	1989-08-30	33	F	Blk 1 Lot 12 Bangka St.	Ligaya	Pagudpud	Ilocos Norte	2919
<input type="checkbox"/> Edit Copy Delete	28	Margaret	Thatcher	H	margaret_thatcher@gmail.com	09036489003	1997-07-08	25	F	Blk 1 Lot 1 Pinalaya St.	Bayog	Burgos	Ilocos Norte	2918

AVERAGE

1. A big company is hiring for a position of Computer Software Engineer, they are currently looking for applicants with the most length of experience as being a computer programmer. Display all of the work service information of those applicants who had worked as a position of Computer Software Engineer and length of service greater than 3 years.

```
SELECT *
```

```
FROM workexp
```

```
WHERE Position = 'Computer software engineer' AND LengthService > 3;
```

The screenshot shows a SQL query execution interface. At the top, the query is displayed: `SELECT * FROM workexp WHERE Position = 'Computer software engineer' AND LengthService > 3;`. Below the query, there are options for Profiling, Edit inline, Edit, Explain SQL, Create PHP code, and Refresh. A control bar includes a checkbox for 'Show all', a 'Number of rows' dropdown set to 25, a 'Filter rows' search box, and a 'Sort by key' dropdown set to None. An 'Extra options' button is also present. The results are shown in a table with columns: ApplicationNo, WorkID, Company, Position, DateStart, DateEnd, and LengthService. Three rows are displayed, each with edit, copy, and delete icons.

	ApplicationNo	WorkID	Company	Position	DateStart	DateEnd	LengthService
<input type="checkbox"/> Edit Copy Delete	18	34	PLDT	Computer software engineer	2007-07-05	2012-10-05	4
<input type="checkbox"/> Edit Copy Delete	21	39	Globe Telecom	Computer software engineer	2012-05-05	2012-05-05	6
<input type="checkbox"/> Edit Copy Delete	22	40	Accenture	Computer software engineer	2013-08-25	2019-11-25	6

2. An employer wants to hire applicants who are at the age greater than 25 and near Marikina. Display ApplicationNo, including their Adrs, Barangay, City, Province and Zipcode as concatenated Complete Address of those applicants who are living in the city of Pasig and age is greater than 25.

```
SELECT ApplicationNo, Age, CONCAT(Adrs, ' ', Baranggay, ' ', City, ' ',  
Province, ' ', Zipcode) AS CompleteAddress
```

```
FROM app
```

```
WHERE City = 'Marikina' AND Age > 25;
```

SELECT ApplicationNo, Age, CONCAT(Adrs, ' ', baranggay, ' ', City, ' ', Province, ' ', Zipcode) AS CompleteAddress FROM app WHERE City = 'Marikina' AND Age > 25;			
<input type="checkbox"/> Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]			
<input type="checkbox"/> Show all Number of rows: 25 Filter rows: Search this table Sort by key: None			
Extra options			
<div> <div> ApplicationNo Age CompleteAddress </div> <div> <div> <input type="checkbox"/> Edit Copy Delete </div> <div>7</div> <div>28</div> <div>41 Mabini St. Nangka Marikina Metro Manila 1808</div> </div> <div> <div> <input type="checkbox"/> Edit Copy Delete </div> <div>12</div> <div>29</div> <div>35 Mabilis St. Barangka Marikina Metro Manila 1803</div> </div> <div> <div> <input type="checkbox"/> Edit Copy Delete </div> <div>26</div> <div>31</div> <div>Blk 9 Lot 6 Banal St. Barangka Marikina Metro Mani...</div> </div> </div>			

3. The Length of Experience must be greater than 5 years for all applicants. Display the Application Number, their last name, and their past work position with the length of service. Sort it by the position and length of service.

```
SELECT A.ApplicationNo, LastName, Position, LengthService
FROM app A, workexp W
WHERE A.ApplicationNo = W.ApplicationNo
HAVING LengthService > 5
ORDER BY 3, 4;
```

SELECT A.ApplicationNo, LastName, Position, LengthService FROM app A , workexp W WHERE A.ApplicationNo = W.ApplicationNo HAVING LengthService > 5 ORDER BY 3, 4;			
<input type="checkbox"/> Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]			
<input type="checkbox"/> Show all Number of rows: 25 Filter rows: Search this table			
Extra options			
ApplicationNo	LastName	Position	LengthService
21	Trudeau	Computer software engineer	6
22	Lincoln	Computer software engineer	6
20	Morrison	Computer Technician	7
3	Evans	Senior Programmer	7

DIFFICULT

1. Count how many applicants there are in each Province per Degree. Display Province and the degree. Include only those applicants whose province is not from Bicol.

```
SELECT Province, degree, COUNT(*)
```

```
FROM app A, educ_attained E
```

```
WHERE A.ApplicationNo = E.ApplicationNo AND Province NOT LIKE '%Bicol'
```

```
GROUP BY Province, degree;
```

<pre>SELECT Province, degree, COUNT(*) FROM app A, educ_attained E WHERE A.ApplicationNo = E.ApplicationNo AND Province NOT LIKE '%Bicol' GROUP BY Province, degree;</pre>		
<input type="checkbox"/> Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]		
<input type="checkbox"/> Show all Number of rows: 25 <input type="text"/> Filter rows: <input type="text"/>		
Extra options		
Province	degree	COUNT(*)
Cavite	BSCoE	1
Cavite	BSCS	1
Cavite	BSIT	1
Ilocos Norte	BSCE	1
Ilocos Norte	BSDS	1
Ilocos Norte	BSIT	1
Ilocos Sur	BSCS	1
Ilocos Sur	BSDS	1
Isabela	BSCoE	1
Laguna	BSCS	2
Laguna	BSDS	1
Metro Manila	BSCE	3
Metro Manila	BSCoE	1
Metro Manila	BSCS	9
Metro Manila	BSDS	2
Metro Manila	BSIT	1
Metro Manila	BSIT	8
Metro Manila	DCET	2
Rizal	BSDS	1
Rizal	BSIT	1

2. Sum up the Length of Service per company in each position. Do not include those who are males.

```
SELECT Company, Position, SUM(LengthService)
FROM app A, workexp W
WHERE A.ApplicationNo = W.ApplicationNo AND Sex NOT LIKE '%M%'
GROUP BY Company, Position;
```

`SELECT Company, Position, SUM(LengthService) FROM app A, workexp W WHERE A.ApplicationNo = W.ApplicationNo AND Sex NOT LIKE '%M%' GROUP BY Company, Position;`

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: Filter rows:

Extra options

Company	Position	SUM(LengthService)
Azzaram Corporation	Computer Network Architect	2
BLG Tech Corporation	Computer Hardware Engineer	2
BLG Tech Corporation	Computer Systems Analyst	4
Dell Technologies	Database administrator	1
DreamSMP Corporation	Computer Network Architect	1
DreamSMP Corporation	Computer Programmer	2
GigaTech Inc.	Computer Programmer	4
Globe Telecom	Technical Assitant	1
LG electronics	Computer Technician	2
LG electronics	Project manager	4
Logtechnic Inc.	Software Systems Developer	1
MegaXP Corporation	Computer Programmer	3
Oracle	Technical Assitant	2
Saptech Corporation	Computer Support Specialist	2
TeleTech Outsource	Computer Hardware Engineer	4
TeleTech Outsource	Computer Network Architect	2
TeleTech Outsource	Software Systems Developer	2
Xtreme Inc.	Computer Network Architect	2

3. A hiring company is looking for aspiring applicants with a little work experience. Find out what is the minimum length of service of those applicants in each position. Display their last name and age, sort the length of service from lowest to highest. Included only are those who are living in the province of Metro Manila.

```
SELECT LastName, Position, Age, MIN(LengthService)
FROM app A, workexp W
WHERE A.ApplicationNo = W.ApplicationNo AND Province LIKE '%Metro Manila%'
GROUP BY Position
ORDER BY 2;
```

`SELECT LastName, Position, Age, MIN(LengthService) FROM app A, workexp W WHERE A.ApplicationNo = W.ApplicationNo AND Province LIKE '%Metro Manila%' GROUP BY Position ORDER BY 2;`

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

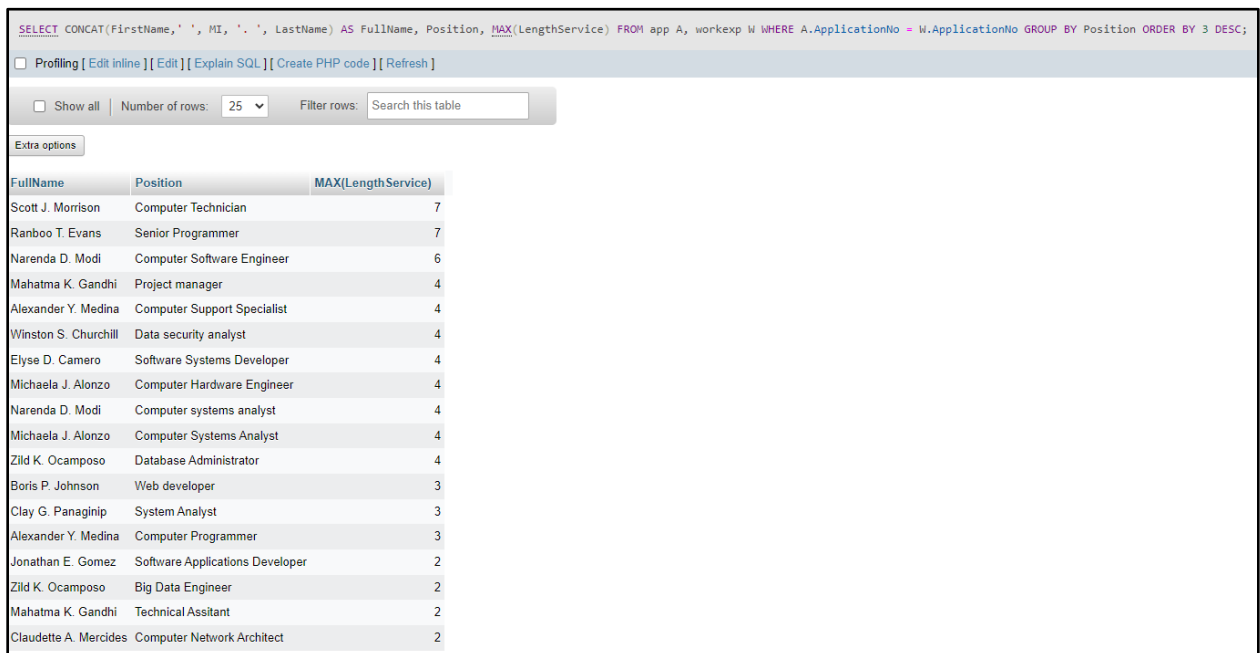
☐ Show all | Number of rows: Filter rows:

Extra options

LastName	Position	Age	MIN(LengthService)
Ocampos	Big Data Engineer	30	2
Mercides	Computer Network Architect	28	1
Medina	Computer Programmer	28	2
Modi	Computer Software Engineer	40	3
Medina	Computer Support Specialist	28	1
Morrison	Computer Technician	37	7
Modi	Computer systems analyst	40	4
Hitler	Data security analyst	31	3
Ocampos	Database Administrator	30	2
Gandhi	Project manager	40	4
Gomez	Software Applications Developer	24	2
Garcia	Software Systems Developer	29	1
Panaginip	System Analyst	28	1
Gandhi	Technical Assitant	40	1
Johnson	Web developer	40	2

4. A business organization is looking for applicants with the highest length of work experience in each position. The Length of service should be displayed in a descending order. Also included in the display are their first name, middle initial, and last name, it should be concatenated as their Fullname.

```
SELECT CONCAT(FirstName,' ', MI, ' ', LastName) AS FullName, Position,
MAX(LengthService)
FROM app A, workexp W
WHERE A.ApplicationNo = W.ApplicationNo
GROUP BY Position
ORDER BY 3 DESC;
```

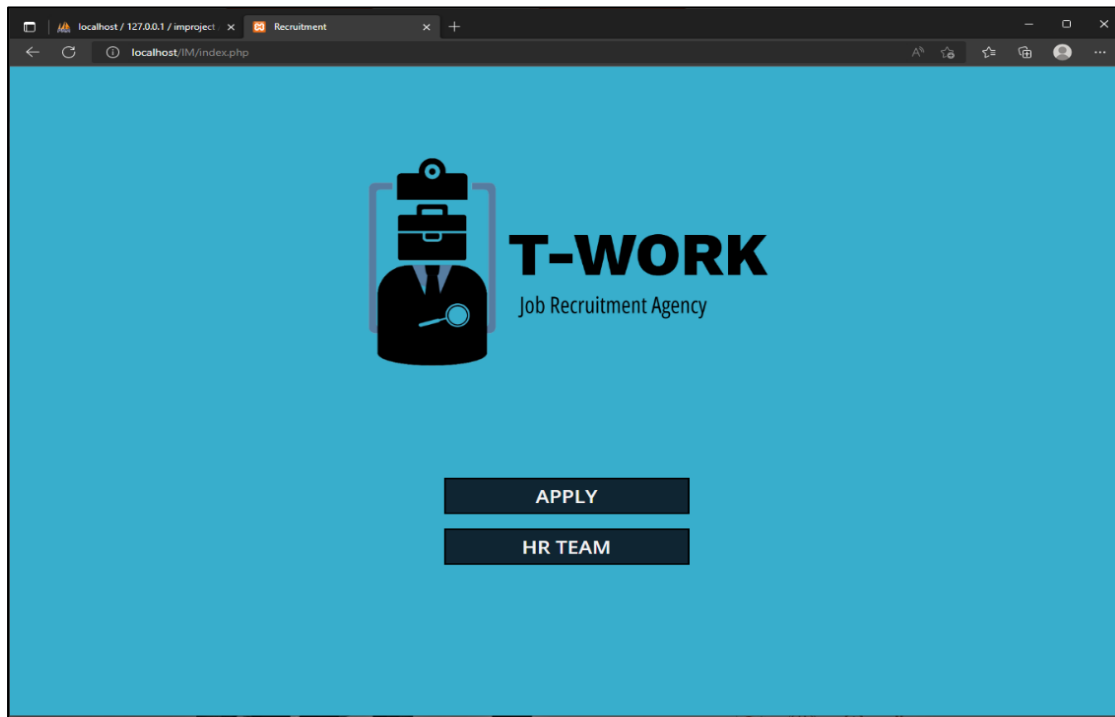


The screenshot shows a database query interface. At the top, the SQL query is displayed: `SELECT CONCAT(FirstName,' ', MI, ' ', LastName) AS FullName, Position, MAX(LengthService) FROM app A, workexp W WHERE A.ApplicationNo = W.ApplicationNo GROUP BY Position ORDER BY 3 DESC;`. Below the query, there are links for [Profiling](#), [Edit inline](#), [Edit](#), [Explain SQL](#), [Create PHP code](#), and [Refresh](#). A control bar includes a ☐ for 'Show all', a 'Number of rows' dropdown set to 25, and a 'Filter rows' search box. An 'Extra options' button is also present. The results are shown in a table with three columns: 'FullName', 'Position', and 'MAX(LengthService)'. The table lists 20 rows of data, sorted by the maximum length of service in descending order.

FullName	Position	MAX(LengthService)
Scott J. Morrison	Computer Technician	7
Ranboo T. Evans	Senior Programmer	7
Narenda D. Modi	Computer Software Engineer	6
Mahatma K. Gandhi	Project manager	4
Alexander Y. Medina	Computer Support Specialist	4
Winston S. Churchill	Data security analyst	4
Elyse D. Camero	Software Systems Developer	4
Michaela J. Alonzo	Computer Hardware Engineer	4
Narenda D. Modi	Computer systems analyst	4
Michaela J. Alonzo	Computer Systems Analyst	4
Zild K. Ocamposo	Database Administrator	4
Boris P. Johnson	Web developer	3
Clay G. Panaginip	System Analyst	3
Alexander Y. Medina	Computer Programmer	3
Jonathan E. Gomez	Software Applications Developer	2
Zild K. Ocamposo	Big Data Engineer	2
Mahatma K. Gandhi	Technical Assitant	2
Claudette A. Mercides	Computer Network Architect	2

VII. User Interfaces

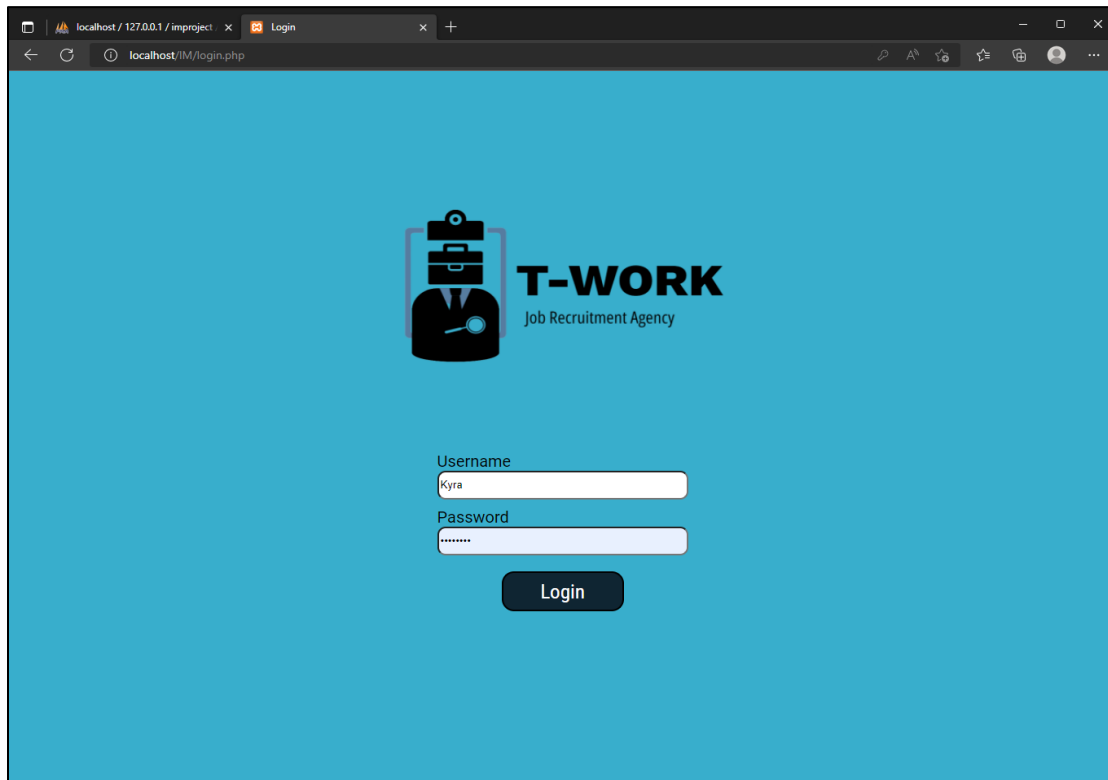
Home Page



Apply Page

A screenshot of a web browser displaying the 'APPLICATION FORM' for T-WORK. The form is white and centered on a blue background. It is titled 'APPLICATION FORM' at the top. Below the title, there are two main sections: 'Personal Information' and 'Home Address'. The 'Personal Information' section includes fields for First Name, Last Name, M.I., Email, Phone Number, Birthdate (with a date picker), Age, and Sex (with a dropdown menu). The 'Home Address' section includes fields for Street/House No./Building No./Village/Subd., Baranggay, City, Province, and Zipcode. Below these sections, there are two more sections: 'Educational Background' and 'Work Experience'. The 'Educational Background' section has a table with columns for School, Address, Degree, and Year Graduated, and a green '+' button to add more entries. The 'Work Experience' section has a table with columns for Company, Position, Date Started (with a date picker), Date Ended (with a date picker), and Length of Service, and a green '+' button to add more entries. At the bottom of the form, there is a dark blue 'Submit' button.

HRTeam Login Page



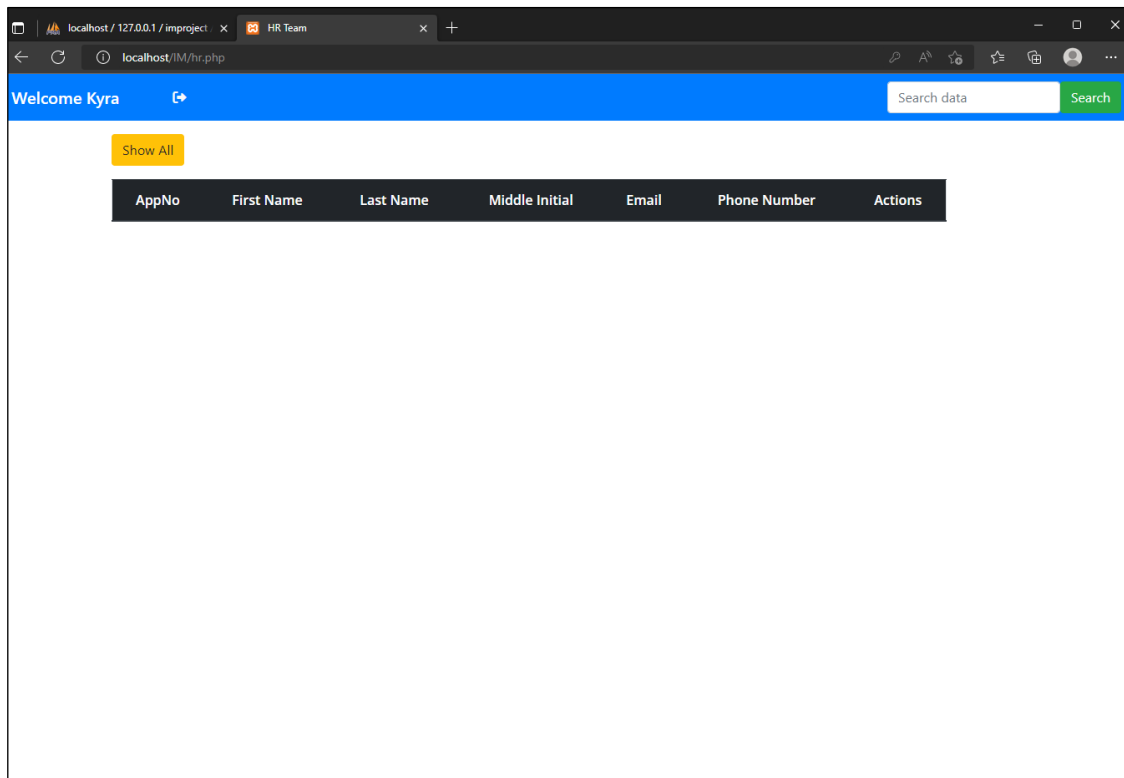
The screenshot shows a web browser window with the address bar displaying 'localhost / 127.0.0.1 / improject' and the page title 'Login'. The URL bar shows 'localhost/IM/login.php'. The page has a solid blue background. In the center, there is a logo for 'T-WORK Job Recruitment Agency' featuring a stylized figure in a suit with a briefcase and a magnifying glass. Below the logo, there are two input fields: 'Username' with the text 'Kyra' and 'Password' with masked characters '*****'. A dark blue 'Login' button is positioned below the password field.

Username
Kyra

Password

Login

HR Page



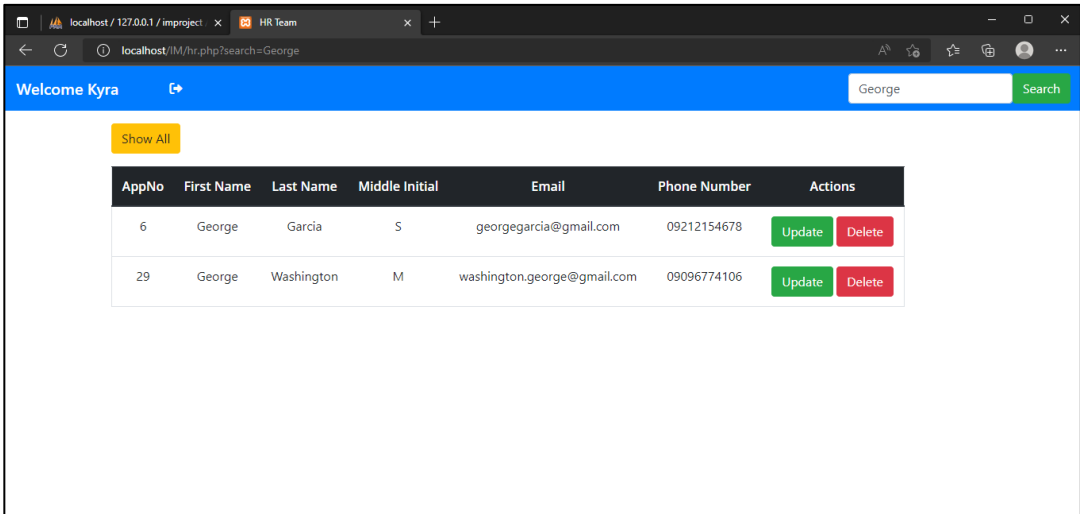
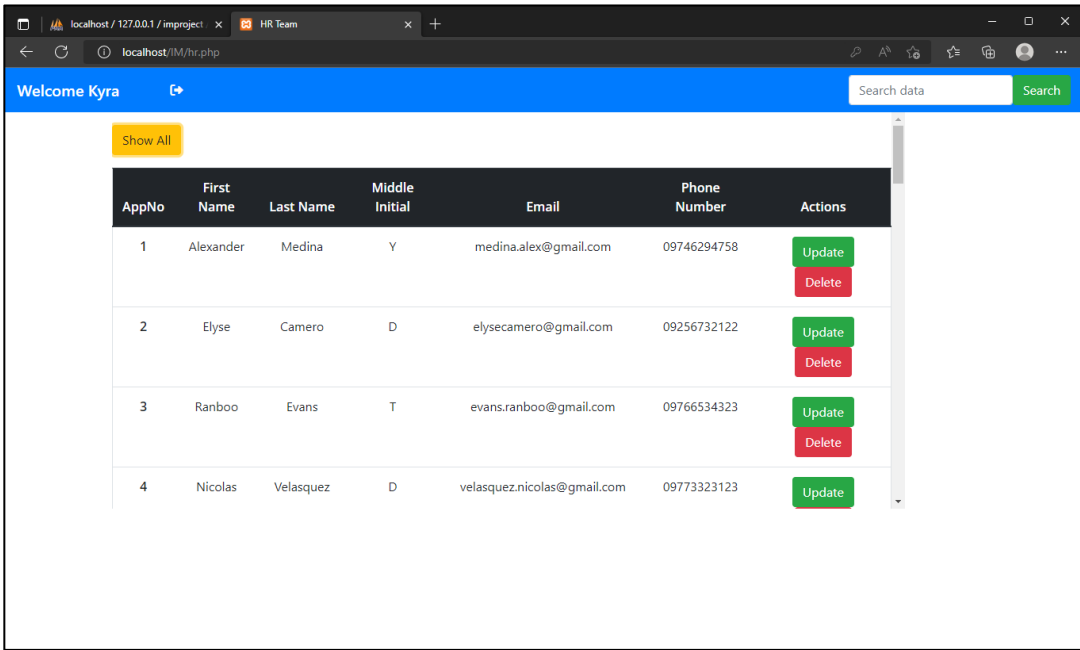
The screenshot shows a web browser window with the address bar displaying 'localhost / 127.0.0.1 / improject' and the page title 'HR Team'. The URL bar shows 'localhost/IM/hr.php'. The page has a white background with a blue header bar. The header bar contains the text 'Welcome Kyra' and a search bar with the placeholder 'Search data' and a green 'Search' button. Below the header bar, there is a yellow 'Show All' button. Below the 'Show All' button, there is a table with the following columns: 'AppNo', 'First Name', 'Last Name', 'Middle Initial', 'Email', 'Phone Number', and 'Actions'.

Welcome Kyra

Search data Search

Show All

AppNo	First Name	Last Name	Middle Initial	Email	Phone Number	Actions
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localhost / 127.0.0.1 / improject x HR Team x +

localhost:1M/update.php?updateid=6

APPLICATION FORM

Personal Information

First Name: Last Name: M.I.:

Email: Phone Number: Birthdate: Age: Sex:

Home Address

Street/House No./Building No./Village/Subd.: Baranggay:

City: Province: Zipcode:

Update

VIII. Sample Data for All Tables

Table Name: APP

ApplicationNo INT(6)	FirstName VARCHAR(50)	LastName VARCHAR(50)	MI VARCHAR(4)	Email VARCHAR(50)	PhoneNumber VARCHAR(15)		
Birthdate DATE	Age INT(3)	Sex VARCHAR(1)	Adrs VARCHAR(100)	Barangay VARCHAR(20)	City VARCHAR(20)	Province VARCHAR(20)	Zipcode INT(5)

Valid values for Sex are F and M.

Table Name: EDUC_ATTAINED

ApplicationNo INT(11)	EducID INT(11)	School VARCHAR(100)	School_Add VARCHAR(100)	Year_Grad INT(4)	DEGREE VARCHAR(100)
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Table Name: WORKEXP

ApplicationNo INT(11)	WorkID INT(11)	Company VARCHAR(50)	Position VARCHAR(50)	DateStarted DATE	DateEnded DATE	LengthService DOUBLE
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