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00076619
Database Report

This report is to discuss the possibility of upgrading the way spreadsheet data is currently being utilized. This upgrade is the creation of a database that will centralize the spreadsheet data that is currently scattered or duplicated. That data saved in this manner will allow for easier access and better management. Which would allow the agency to have better data retrieval over its operations while also providing the ability for future growth.

Data Dictionary

The following tables are detailed descriptions over where and how the data is going to be stored. The data stored in this manner will allow for easier retrieval or manipulation of the database. This keeps the database ever expanding allow the future growth mentioned before.

This table is about the resumes from potential workers that the agency receives. Collecting all the information needed such as contact information, education, work history, references, availability, and skills.

PWorker

Data Name	Data Type	Length	Description	Source
Name	Character	20	Name of the Potential Worker	PWorker
SNN	VarChar	11	Social Security Number	PWorker
Address	VarChar	30	Mailing Address	PWorker
Telephone	VarChar	12	Phone Number	PWorker
AltNumber	VarChar	12	Alternate Phone Number	PWorker
Education Level	Character	20	Highest Level of Education	PWorker
Institute	Character	20	Institution of Education	PWorker
Year Granted	VarChar	4	Year Graduated	PWorker
PrevWorkTitle	Character	20	Previous Work Title	PWorker
PrevWorkTelephone	VarChar	12	Previous Work Number	PWorker
ReferenceName	Character	20	Name of Reference	PWorker
ReferenceNumber	VarChar	12	Number of Reference	PWorker
DateAvailable	VarChar	8	Date of Availability	PWorker
TimeAvailable	VarChar	5	Days Available to work	PWorker
Skills	Character	30	Skills	PWorker

This next table gathers the data after the Personnel Director holds an interview with any candidates that might join the workforce.

PersonnelDirector

Data Name	Data Type	Length	Description	Source
InterviewDate	VarChar	8	Date of Interview	PersonnelDirector
IntName	Character	20	Name of Interviewee	PersonnelDirector
JobType	Character	20	Type of Job	PersonnelDirector
JobLevel	Character	10	Level of Job	PersonnelDirector
StartDate	VarChar	8	Start Date of Work	PersonnelDirector
Rejection	Character	50	Reason for Rejection	PersonnelDirector
DaysAvailable	Character	30	Days Available to work	PersonnelDirector
HoursAvailable	VarChar	10	Hours Available to work	PersonnelDirector

This table will hold every client that has asked for assistance from the agency. It collects the name and contact info of every client that has asked for help.

Employer

Data Name	Data Type	Length	Description	Source
Name	Character	20	Name of the Client	Employer
Telephone	VarChar	12	Telephone Number	Employer

The following table will hold every job from clients. It lists what the job is and the level of experience required for the job.

Job

Data Name	Data Type	Length	Description	Source
JobTitle	Character	20	Job Title	Job
JobLevel	Character	10	Job Level	PersonnelDirector
DailyRate	Float	6	Pay amount Per day	Job
Skills	Character	30	Skills needed for Job	PWorker
EduLevel	Character	10	Education Level	PWorker
Hours	VarChar	10	Hours of work	Job
ClientName	Character	20	Client Name	Employer
ClientNumber	Character	12	Client Phone Number	Employer

This next table holds the data after one of the workers is matched with a job and has an interview with a client.

WCInterview

Data Name	Data Type	Length	Description	Source
Wname	Character	20	Name of the Worker	PWorker
CName	Character	30	Client Name	Employer
Date	VarChar	8	Date of the Interview	WCInterview
Time	VarChar	5	Time of the Interview	WCInterview
Outcome	Character	10	Outcome of the Interview	WCInterview
StartDate	VarChar	8	Start Date of Work	WCInterview
EndDate	VarChar	8	End Date of Work	WCInterview

This table holds the evaluations from clients after either a successful or terminated job. This should reduce the need for two separate forms.

Evaluation

Data Name	Data Type	Length	Description	Source
wName	Character	20	Name of the worker	PWorker
cName	Character	20	Name of the Client	Employer
JobTitle	Character	20	Job Title	Job
EvalDate	VarChar	8	Evaluation Date	Evaluation
Rating	Interger	1	Rating of the Worker	Evaluation
Comment	Character	50	Comment After the Evaluation	Evaluation

The billing information is described here. This should allow easy retrieval of the data making the accounting manager's job less stressful.

Bill

Data Name	Data Type	Length	Description	Source
ClientName	Character	20	Name of the Client	Employer
DailyRate	Float	7	Daily Rate of Pay	Job
JobTitle	Character	20	Job Title	Job
Days	Integer	3	Days of Pay	Bill
Hours	Integer	3	Hours of Pay	Bill

This would hold the payroll data. It would assist on making accounting less stressful as well. It will also assist on gathering tax related information what it is required.

Payroll

Data Name	Data Type	Length	Description	Source
WorkerName	Character	20	Name of the Worker	PWorker
GrossPay	Float	5	Gross Pay	Payroll
TaxesWithheld	Float	4	Taxes Withheld	Payroll
NetPay	Float	5	Net Pay	Payroll
YtDateHours	Integer	4	Year to Date Hours	Payroll
YtDateGrosspay	Float	7	Year to Date Gross Pay	Payroll
YtDateTaxes	Float	6	Year to Date Taxes Withheld	Payroll
YtDateNetPay	Float	7	Year to Date Net Pay	Payroll

Cross Reference

The data dictionary described how the data would be stored. These next two tables reference the previous tables to show what forms and reports they will assist on filling out from the stored data from the database.

Forms Table

This table covers which forms are filled from what database medium. The 'X' marks if data is retrieved from that corresponding dictionary.

Names	PWorker	PersonnelDirector	Employer	Job	WCInterview	Evaluation	Bill	Payroll
Worker Application Form	X							
Personnel Director Interview Form	X	X						
Job Requisition			X	X				
Worker Evaluation Form						X		

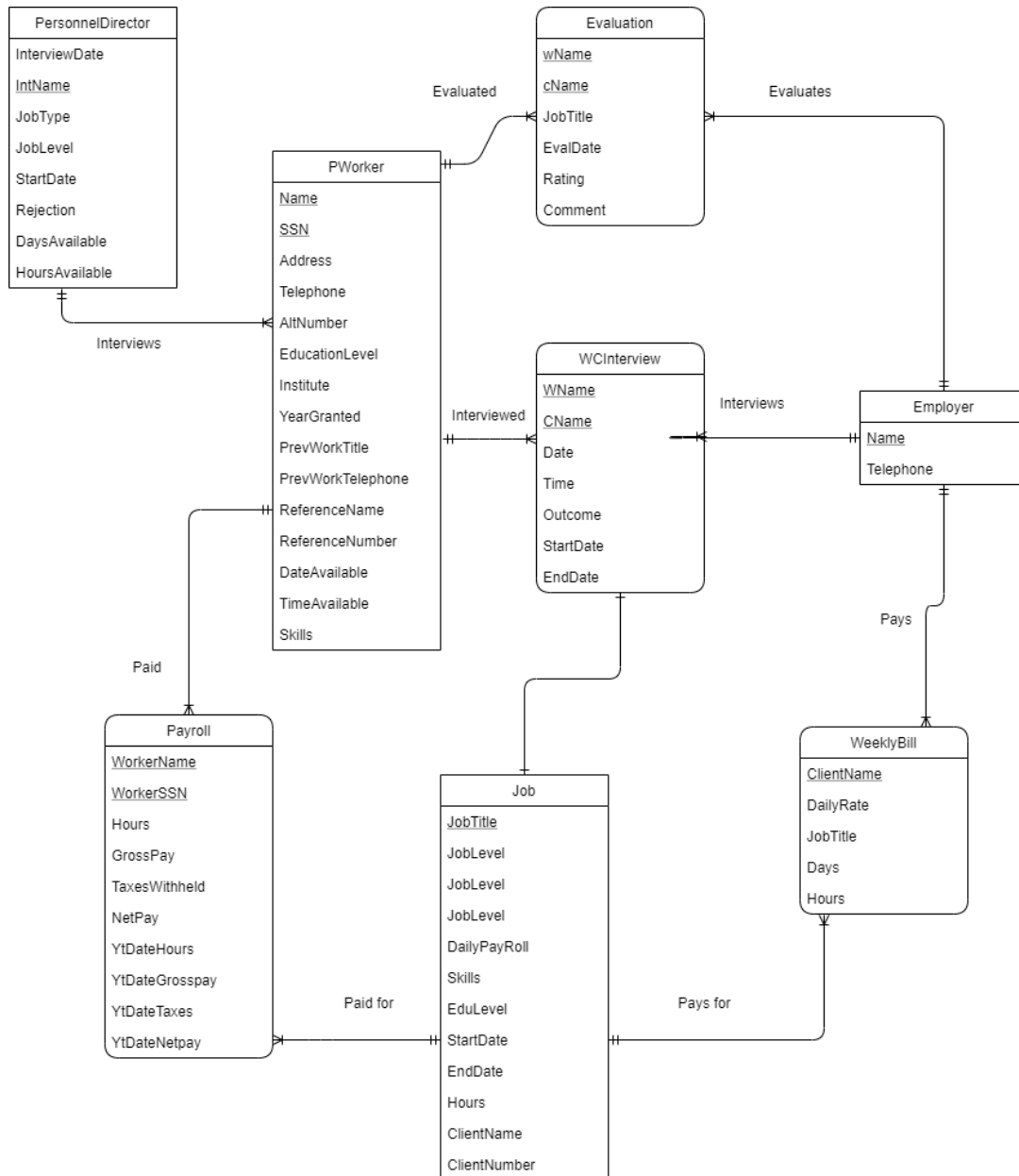
Report Table

This covers which reports are cross referenced from the data dictionary. This one is also marked with an 'X' for each dictionary that correspond with information needed in a report.

Names	PWorker	PersonnelDirector	Employer	Job	WCInterview	Evaluation	Bill	Payroll
Weekly Client Bill			X				X	
Weekly Pay Stub	X							X
Weekly Payroll Report								X
Client Account Receivable s Report			X				X	
Worker Jobs Report	X		X		X	X		
Report of Current Assignmen ts	X		X	X				
End-of-Year Wage and Tax Statement								X

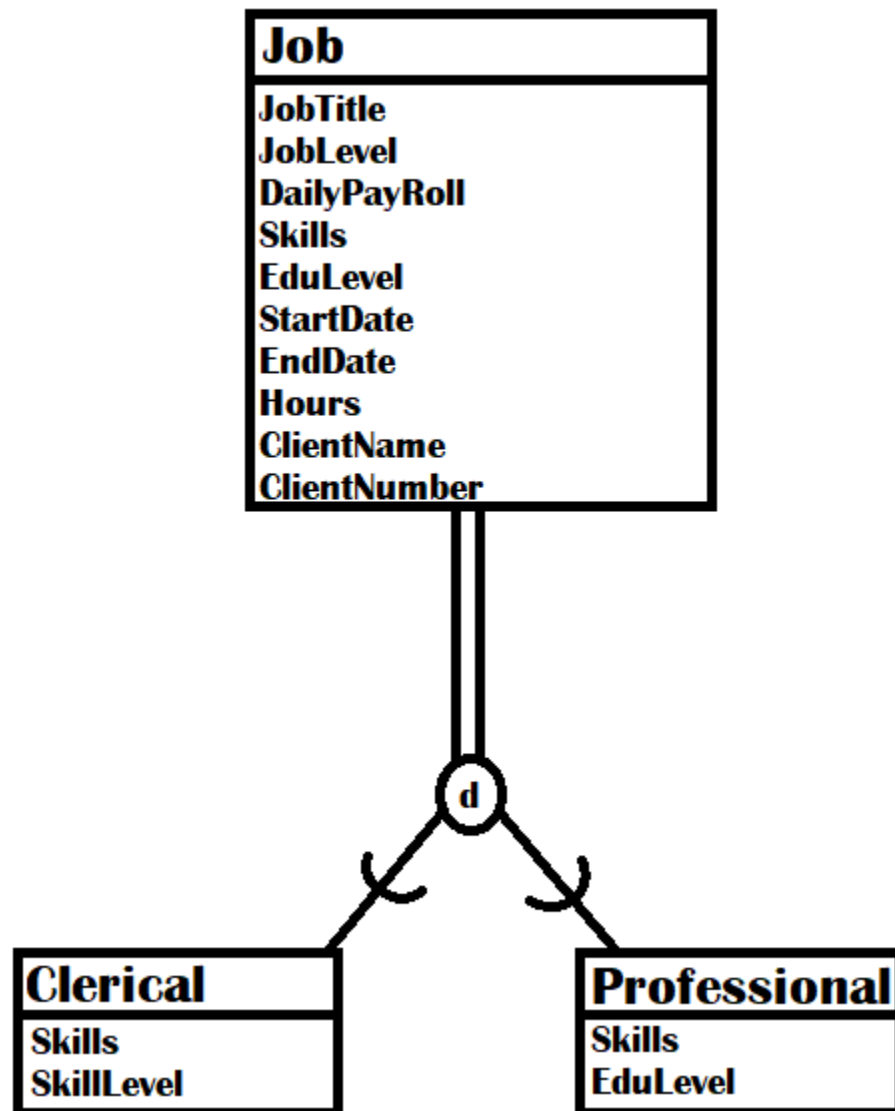
ERD

This is an Entity Relationship Diagram it represents what tables have data related to another it is connected to.



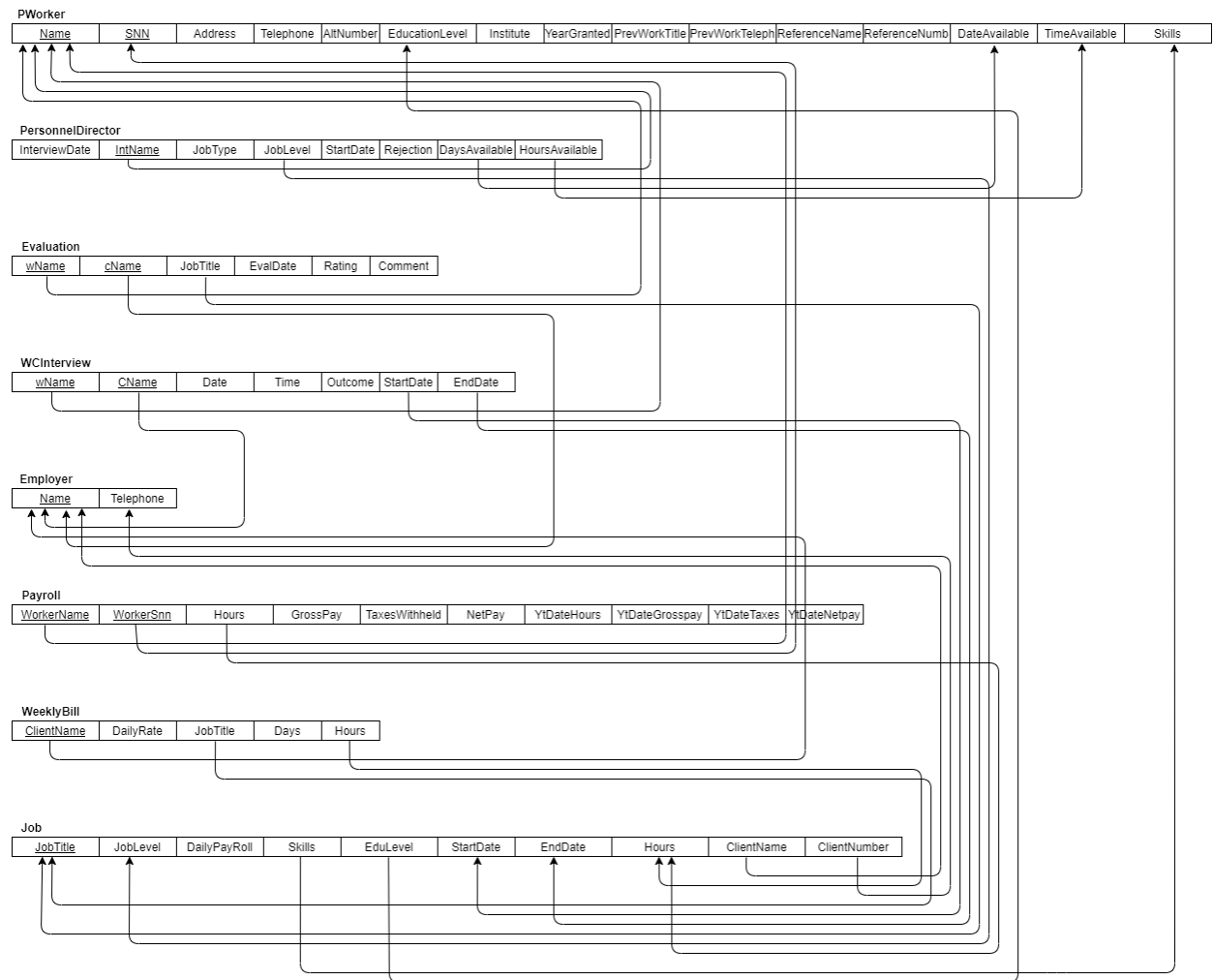
EERD

This small Diagram is just an enhanced version of the previous one showing that the Job table can be split into either a Professional or a Clerical Position.



Relational Schema

The following table is a better representation of why some tables are connected to each other. Many tables will use the names of different workers and the names the clients the workers are doing work for.



Functional Dependencies

SSN -> Name

The Social Security Number (SSN) of every worker will be connected to a different name.

{Name, SNN} -> {Address, Telephone, EducationLevel, Skills}

IntName -> {JobType, JobLevel}

Every interviewee is striving to get to a type of job at its level.

{wName, cName, EvalDate} -> {Rating, Comment}

Depending on the date every worker and client will have a corresponding rating and comment on every evaluation.

{wName, CName, Date} -> {Time, Outcome, StartDate, EndDate}

Every interview between worker and client will have a time, outcome, start date, and end date depending the when the interview took place.

Name -> Telephone

Different employers will have their own telephone number to contact them with.

{WorkerSSN, Hours} -> GrossPay

Every worker social security number and hours will correctly correspond to the gross pay that worker is being paid for.

ClientName -> ClientNumber

Clients have their own number that can be used to contact them.

JobTitle -> {JobLevel, Skills, EduLevel}

Every job title has a matching job level, skills, and education level.

Form

Most if not all the relations are in Second Normal Form. Employer might be the only relation to violate 3NF only because it is in 1NF. The relation Job might be the closest to a 3NF compared to the rest. Since most of the relations can only reach 2NF it is very unlikely any of them can be normalized into BCNF.

Normalized

PWorkerA (Name, SNN, Address, Telephone, EducationLevel, Institute, YearGranted, Skills)

PWorkerB (Name, SNN)

PerDirectorA (IntName, JobType, JobLevel)

PerDirectorB (InterviewDate, IntName, StartDate, Rejection)

Evaluation (wName, cName, JobTitle, EvalDate, Rating, Comment)

WCInterview (WName, Cname, Date, Time, Outcome, StartDate, EndDate)

Employer(Name, Telephone)

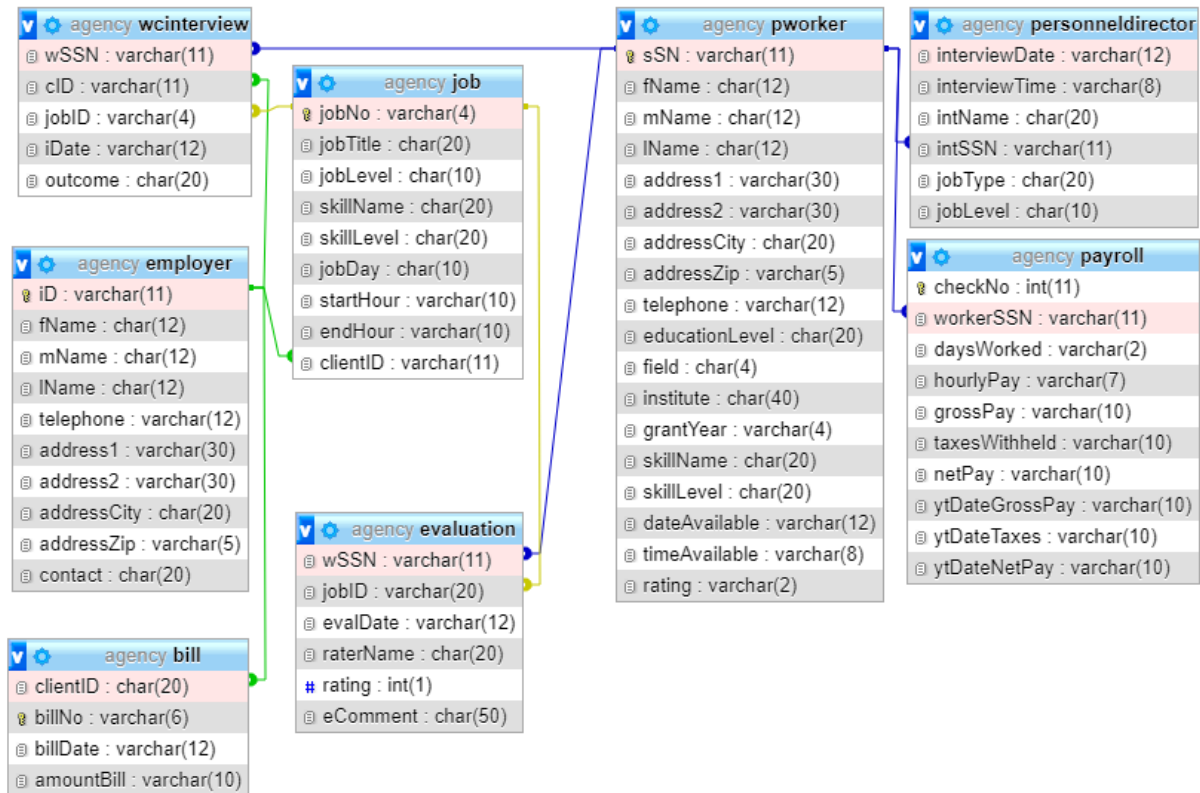
Job1(JobTitle, JobLevel, Skills, EduLevel)

Job2(ClientName, ClientNumber)

XAMPP

The screenshot here is the ERD that was provided by XAMPP. After it will be screenshots of the populated tables that had information inserted into it. Using the SQL code that will be provided.

ERD



Tables

Bill table

```
SELECT * FROM `bill`
```




















☐ Show all

Number of rows:

25 ▼

Filter rows:

Options

				clientID	billNo	billDate	amountBill
<input type="checkbox"/>	 Edit	 Copy	 Delete	0224B75C	100568	26-NOV-2018	\$196.30
<input type="checkbox"/>	 Edit	 Copy	 Delete	5E49FAFF	100569	18-DEC-2018	\$1,517.18
<input type="checkbox"/>	 Edit	 Copy	 Delete	13F0B354	100570	02-NOV-2018	\$603.94
<input type="checkbox"/>	 Edit	 Copy	 Delete	512BBFBA	100571	25-DEC-2018	\$1,058.06
<input type="checkbox"/>	 Edit	 Copy	 Delete	98E66AF0	100572	25-NOV-2018	\$198.90
<input type="checkbox"/>	 Edit	 Copy	 Delete	2B84ED7F	100573	03-JAN-2018	\$3,968.88
<input type="checkbox"/>	 Edit	 Copy	 Delete	A7C9A313	100574	03-DEC-2018	\$779.17
<input type="checkbox"/>	 Edit	 Copy	 Delete	CE8DF959	100575	01-DEC-2018	\$482.54
<input type="checkbox"/>	 Edit	 Copy	 Delete	8981F371	100576	29-NOV-2018	\$1,628.48
<input type="checkbox"/>	 Edit	 Copy	 Delete	D0260322	100577	18-DEC-2018	\$542.51

Employer Table

`SELECT * FROM `employer``

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

☐ Show all | Number of rows: Filter rows: Sort by key:

+ Options

	ID	fName	mName	lName	telephone	address1	address2	addressCity	addressZip	contact
<input type="checkbox"/> Edit Copy Delete	0224B75C	Sash	Uma	Leon	813-189-8143	Ap #997-9848 Purus Road	Ap#309-5442 Mauris St.	Regina	10515	Cheryl Pugh
<input type="checkbox"/> Edit Copy Delete	13F0B354	Kai	Sacha	Pate	574-362-6289	P.O. Box 572, 4718 Blandit. Av	990-1053 Etiam St.	Geertruidenberg	15951	Hasad L. House
<input type="checkbox"/> Edit Copy Delete	2B84ED7F	Cheryl	Elmo	Golden	625-639-3938	P.O. Box 814, 8010 Ante Ave	645-9912 Mattis Road	Monte Patria	27080	Chiquita Jimenez
<input type="checkbox"/> Edit Copy Delete	512BBFBA	Charles	Alec	Murray	538-744-9373	P.O. Box 200, 2430 Nec, St.	P.O. Box 384, 8475 Auctor Rd.	Mataró	17768	Lillian Haynes
<input type="checkbox"/> Edit Copy Delete	5E49FAFF	Madeline	Fallon	Cherry	222-864-2598	839-2141 Massa. Road	P.O. Box 549, 1031 Tortor Road	Ellikom	11980	Yasir W. Klein
<input type="checkbox"/> Edit Copy Delete	8981F371	Aladdin	Cullen	Sargent	927-484-7185	1500 Lectus. St.	P.O. Box 692, 6034 Mattis Rd.	Palayankottai	31374	Barrett Turner
<input type="checkbox"/> Edit Copy Delete	98E66AF0	Todd	Clementine	Lowery	909-706-7082	P.O. Box 493, 4554 Id, Rd.	1832 At, St.	Roxburgh	25646	Sawyer F. Keith
<input type="checkbox"/> Edit Copy Delete	A7C9A313	Lucas	Wesley	Houston	427-264-4336	5365 Natoque Street	127-4199 Cras Road	Grand Rapids	27953	Uriah Hill
<input type="checkbox"/> Edit Copy Delete	CE8DF959	Robin	Kessie	Gilliam	919-688-4923	Ap #468-7085 Curabitur St.	3473 Erat St.	Sennariolo	31096	Nash S. Richardson
<input type="checkbox"/> Edit Copy Delete	D0260322	Castor	Lynn	Moreno	822-890-2967	P.O. Box 185, 3908 Pharetra St	P.O. Box 737, 4611 Nulla. St.	Wolfurt	31504	Orlando J. Franklin

[Console](#)

Evaluation table

`SELECT * FROM `evaluation``

☐ Show all | Number of rows: Filter rows: Sort by key:

+ Options

wSSN	jobID	evalDate	raterName	rating	eComment
B1EA672A	46	25-NOV-2018	Kerry U. Page	7	Stole- however showed great potential if stayed on
37F4F59D	47	16-DEC-2018	Berk H. Jackson	5	Created hostile work enviroingment
58BCD7C3	48	01-NOV-2018	Ariana L. Cobb	6	Not suited for position - lied on resume?
B6979BBE	49	23-DEC-2018	Blaze U. Henderson	8	
87E8D390	50	24-NOV-2018	Erich Wheeler	3	
03DD7FB6	51	30-DEC-2018	Lucius Merritt	5	
F3E19D5E	52	01-DEC-2018	Aretha Kemp	2	Did not follow company policies
F3D4D51E	53	30-NOV-2018	Cheryl Dennis	2	Seems to have issues with authority
E4117DE9	62	27-NOV-2018	Emmanuel Vazquez	9	Worked well and new position but could not make it
A492113E	75	17-DEC-2018	Tanya Burch	6	

Job tables

SELECT * FROM `job`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Cr

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

+ Options

	jobNo	jobTitle	jobLevel	skillName	skillLevel	jobDay	startHour	endHour	clientID
<input type="checkbox"/> Edit Copy Delete	46	Professional	Entry	Technical Writing	Novice	Thursday	5	8	0224B75C
<input type="checkbox"/> Edit Copy Delete	47	Temporary	Junior	Programming	Moderate	Friday	10	10	5E49FAFF
<input type="checkbox"/> Edit Copy Delete	48	Temporary	Entry	Cyber Security	Proficient	Friday	10	7	13F0B354
<input type="checkbox"/> Edit Copy Delete	49	Professional	Entry	Cyber Security	Proficient	Sunday	1	10	512BBFBA
<input type="checkbox"/> Edit Copy Delete	50	Temporary	Entry	Operating Systems	Moderate	Wednesday	7	4	98E66AF0
<input type="checkbox"/> Edit Copy Delete	51	Temporary	Entry	Data Analysis	Novice	Friday	10	5	2B84ED7F
<input type="checkbox"/> Edit Copy Delete	52	Temporary	Entry	Programming	Novice	Wednesday	7	3	ATC9A313
<input type="checkbox"/> Edit Copy Delete	53	Temporary	Junior	Software	Moderate	Friday	5	8	CE8DF959
<input type="checkbox"/> Edit Copy Delete	62	Professional	Entry	Project Management	Proficient	Saturday	7	8	8981F371
<input type="checkbox"/> Edit Copy Delete	75	Professional	Entry	Cyber Security	Proficient	Wednesday	11	9	D0260322

Payroll table

SELECT * FROM `payroll`

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

+ Options

	checkNo	workerSSN	daysWorked	hourlyPay	grossPay	taxesWithheld	netPay	ytDateGrossPay	ytDateTaxes	ytDateNetPay
<input type="checkbox"/> Edit Copy Delete	1021	B1EA672A	2	\$11.36	\$181.76	\$36.35	\$145.41	\$181.76	\$36.35	\$145.41
<input type="checkbox"/> Edit Copy Delete	1022	37F4F59D	7	\$8.78	\$491.68	\$98.34	\$393.34	\$491.68	\$98.34	\$393.34
<input type="checkbox"/> Edit Copy Delete	1023	37F4F59D	7	\$8.78	\$491.68	\$98.34	\$393.34	\$983.36	\$196.68	\$786.68
<input type="checkbox"/> Edit Copy Delete	1024	37F4F59D	6	\$8.78	\$421.44	\$84.29	\$337.15	\$1,404.80	\$280.96	\$1,123.84
<input type="checkbox"/> Edit Copy Delete	1025	58BCD7C3	6	\$11.65	\$559.20	\$111.84	\$447.36	\$559.20	\$111.87	\$447.36
<input type="checkbox"/> Edit Copy Delete	1026	B6979BBE	7	\$9.42	\$527.52	\$105.50	422.02	\$527.52	\$105.50	\$422.02
<input type="checkbox"/> Edit Copy Delete	1027	B6979BBE	6	\$9.42	\$452.16	\$90.43	\$361.73	\$979.68	\$195.93	\$783.75
<input type="checkbox"/> Edit Copy Delete	1038	03DD7FB6	7	\$9.57	\$535.92	\$107.18	\$428.74	\$1,607.76	\$321.55	\$1,286.21
<input type="checkbox"/> Edit Copy Delete	1039	03DD7FB6	7	\$9.57	\$535.92	\$107.18	\$428.74	\$2,143.68	\$428.73	\$1,714.95
<input type="checkbox"/> Edit Copy Delete	1040	03DD7FB6	7	\$9.57	\$535.92	\$107.18	\$428.74	\$2,679.60	\$535.92	\$2,143.68
<input type="checkbox"/> Edit Copy Delete	1041	03DD7FB6	6	\$9.57	\$459.36	\$91.87	\$367.49	\$3,674.88	\$734.97	\$2,939.91
<input type="checkbox"/> Edit Copy Delete	1042	F3E19D5E	7	\$10.02	\$561.12	\$112.22	\$448.90	\$561.12	\$112.22	\$448.90
<input type="checkbox"/> Edit Copy Delete	1560	03DD7FB6	7	\$9.57	\$535.92	\$107.18	\$428.74	\$3,215.52	\$643.10	\$2,572.42
<input type="checkbox"/> Edit Copy Delete	2028	87E8D390	2	\$11.51	\$184.16	\$36.83	\$147.33	\$184.16	\$36.83	\$147.33
<input type="checkbox"/> Edit Copy Delete	2029	03DD7FB6	7	\$9.57	\$535.92	\$107.18	\$428.74	\$535.92	\$107.18	\$428.74
<input type="checkbox"/> Edit Copy Delete	2037	03DD7FB6	7	\$9.57	\$535.92	\$107.18	\$428.74	\$1,071.84	\$214.36	\$857.48
<input type="checkbox"/> Edit Copy Delete	2100	F3E19D5E	2	\$10.02	\$160.32	\$32.06	\$128.26	\$721.44	\$144.28	\$577.16
<input type="checkbox"/> Edit Copy Delete	2101	F3D4D51E	5	\$11.17	\$446.80	\$89.36	\$357.44	\$446.80	\$89.36	\$357.44
<input type="checkbox"/> Edit Copy Delete	2102	E4117DE9	7	\$9.92	\$555.52	\$111.10	\$444.42	\$555.52	\$111.10	\$444.42
<input type="checkbox"/> Edit Copy Delete	2103	E4117DE9	7	\$9.92	\$555.52	\$111.10	\$444.42	\$1,111.04	\$222.20	\$888.84
<input type="checkbox"/> Edit Copy Delete	2110	E4117DE9	5	\$9.92	\$396.80	\$79.36	\$317.44	\$1,507.84	\$301.56	\$1,206.28
<input type="checkbox"/> Edit Copy Delete	2111	A492113E	7	\$8.97	\$502.32	\$100.46	\$401.86	\$502.32	\$100.46	\$401.86

Personnel director table


```
SELECT * FROM `personneldirector`
```

☐ Show all | Number of rows: Filter rows:

+ Options

interviewDate	interviewTime	intName	intSSN	jobType	jobLevel
14-NOV-2018	06:30:16	Parks	B1EA672A	Professional	Entry
30-OCT-2018	19:35:48	Brennan	37F4F59D	Temporary	Junior
10-DEC-2018	05:32:39	Stafford	58BCD7C3	Temporary	Entry
02-NOV-2018	03:00:56	Dejesus	B6979BBE	Professional	Entry
18-DEC-2018	21:22:40	Preston	87E8D390	Temporary	Entry
27-OCT-2018	04:39:53	Kennedy	03DD7FB6	Temporary	Entry
15-NOV-2018	00:10:58	Beach	F3E19D5E	Temporary	Entry
07-NOV-2018	09:01:37	Francis	F3D4D51E	Temporary	Junior
01-NOV-2018	12:49:32	Gay	E4117DE9	Professional	Entry
29-DEC-2018	23:05:41	Olsen	A492113E	Professional	Entry

Pwoker table

SELECT * FROM `pwoker`

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

+ Options

sSN

fName

mName

iName

address1

address2

addressCity

addressZip

telephone

educationLevel

field

institute

grantYear

skillName

skillLevel

dateAvailable

timeAvailable

rating

Edit

Copy

Delete

03D07FB6

Honorato

Keslie

Kennedy

Ap #169-3442 Tincidunt Rd.

136-2910 Quis Street

Cairns

59939

447-168-4834

A.S.

CS

Georgia State University

2013

Data Analysis

Moderate

10-DEC-2018

13:14:25

5

Edit

Copy

Delete

37F4F59D

Travis

Demetria

Brennan

P.O. Box 955, 2796 Mi Av.

308-9587 Justo Rd.

Villafranca d'Asi

58338

234-375-9841

B.A.

CS

University of Wisconsin

1993

Programming

Novice

25-NOV-2018

08:53:32

5

Edit

Copy

Delete

58BCD7C3

Gretchen

Yuli

Stafford

2446 Magnis St.

3962 Urna Avenue

Jefferson City

58578

633-193-6320

B.S.

CIS

New York Institute of Technology

1995

Cyber Security

Proficient

25-NOV-2018

01:55:45

6

Edit

Copy

Delete

87E8D390

Evangeline

Desirae

Preston

6188 Egestas Avenue

Ap #330-2396 Eliafend St.

Molino dei Torti

59861

832-138-9632

Certificate

EE

Herzing University

1997

Operating Systems

Proficient

18-NOV-2018

17:52:31

3

Edit

Copy

Delete

A492113E

Leandra

Orli

Olsen

528-1019 Vitae St.

6044 Interdum Av.

Roux

70408

654-903-2246

B.S.

EE

University of South Carolina

1985

Cyber Security

Proficient

08-DEC-2018

08:29:48

6

Edit

Copy

Delete

B1EA672A

Wanda

Whilemina

Parks

Ap #315-7542 A. Ave

6189 Venenatis Street

Sanluri

51216

462-317-5004

B.S.

MIS

Rose-Hulman Institute of Technology

1994

Technical Writing

Proficient

02-DEC-2018

02:08:13

7

Edit

Copy

Delete

B6979BBE

Blaine

Nola

Dejesus

846-977 Nullam Street

P.O. Box 876, 9883 Sem Road

Vandoles/Vintl

59806

692-177-7081

B.A.

ITE

University of Alabama

2005

Cyber Security

Moderate

27-OCT-2018

03:57:17

8

Edit

Copy

Delete

E4117DE9

Tucker

Colin

Gay

P.O. Box 530, 8821 Leo. Road

P.O. Box 326, 7312 Semper Road

Malbaie

70116

606-295-4748

A.A.S.

ITE

Iowa University

1988

Project Management

Moderate

07-NOV-2018

12:52:15

9

Edit

Copy

Delete

F3D4D51E

Erich

Alec

Francis

9401 Fringilla, St.

P.O. Box 867, 7629 Et Ave

Canela

70011

658-831-2656

A.A.S.

AE

North Dakota State University

2009

Software

Novice

24-NOV-2018

12:36:45

2

Edit

Copy

Delete

F3E19D5E

Clarke

Bryar

Beach

4163 Malesuada Av.

Ap #337-7361 Neque St.

Tournefeuille

67266

220-273-1698

A.S.

CIS

Texas Tech

1999

Programming

Proficient


17-NOV-2018

10:47:56

2

Wcinterview table

```
SELECT * FROM `wcinterview`
```

☐ Show all | Number of rows: 25  Filter on

+ Options

wSSN	cID	jobID	iDate	outcome
B1EA672A	0224B75C	46	20-NOV-2018	hired
37F4F59D	5E49FAFF	47	23-NOV-2018	hired
58BCD7C3	13F0B354	48	22-OCT-2018	hired
B6979BBE	98E66AF0	50	18-NOV-2018	not qualified
87E8D390	98E66AF0	50	21-NOV-2018	hired
03DD7FB6	98E66AF0	50	19-NOV-2018	not qualified
F3E19D5E	A7C9A313	52	20-NOV-2018	hired
F3D4D51E	CE8DF959	53	20-NOV-2018	hired
E4117DE9	8981F371	62	04-NOV-2018	hired
A492113E	D0260322	75	05-DEC-2018	hired

Queries

This is a weekly paystub report. It shows the check number, days worked, gross pay, taxes withheld, net pay along with the Year-to-Date gross pay, taxes withheld, and net pay. It also provides the Name, SSN, and Address of the worker

checkNo	workerSSN	lName	fName	mName	address1	address2	addressCity	addressZip	daysWorked	grossPay	taxesWithheld	netPay	ytDateGrossPay	ytDateTaxes	ytDateNetPay
1038	030D7FB6	Kennedy	Honorato	Keellie	Ap #169-3442 Tincidunt. Rd.	136-2910 Quis Street	Cairns	59939	7	\$535.92	\$107.18	\$428.74	\$1,607.76	\$321.55	\$1,286.21
1039	030D7FB6	Kennedy	Honorato	Keellie	Ap #169-3442 Tincidunt. Rd.	136-2910 Quis Street	Cairns	59939	7	\$535.92	\$107.18	\$428.74	\$2,143.68	\$428.73	\$1,714.95
1040	030D7FB6	Kennedy	Honorato	Keellie	Ap #169-3442 Tincidunt. Rd.	136-2910 Quis Street	Cairns	59939	7	\$535.92	\$107.18	\$428.74	\$2,679.60	\$535.92	\$2,143.68
1041	030D7FB6	Kennedy	Honorato	Keellie	Ap #169-3442 Tincidunt. Rd.	136-2910 Quis Street	Cairns	59939	6	\$459.36	\$91.87	\$367.49	\$3,674.88	\$734.97	\$2,939.91
1560	030D7FB6	Kennedy	Honorato	Keellie	Ap #169-3442 Tincidunt. Rd.	136-2910 Quis Street	Cairns	59939	7	\$535.92	\$107.18	\$428.74	\$3,215.52	\$643.10	\$2,572.42
2029	030D7FB6	Kennedy	Honorato	Keellie	Ap #169-3442 Tincidunt. Rd.	136-2910 Quis Street	Cairns	59939	7	\$535.92	\$107.18	\$428.74	\$535.92	\$107.18	\$428.74
2037	030D7FB6	Kennedy	Honorato	Keellie	Ap #169-3442 Tincidunt. Rd.	136-2910 Quis Street	Cairns	59939	7	\$535.92	\$107.18	\$428.74	\$1,071.84	\$214.36	\$857.48
1022	37F4F59D	Brennan	Travis	Demetria	P.O. Box 955, 2796 Mi Av.	308-9587 Justo Rd.	Villafranca d'Asti	58338	7	\$491.68	\$98.34	\$393.34	\$491.68	\$98.34	\$393.34
1023	37F4F59D	Brennan	Travis	Demetria	P.O. Box 955, 2796 Mi Av.	308-9587 Justo Rd.	Villafranca d'Asti	58338	7	\$491.68	\$98.34	\$393.34	\$983.36	\$196.68	\$786.68
1024	37F4F59D	Brennan	Travis	Demetria	P.O. Box 955, 2796 Mi Av.	308-9587 Justo Rd.	Villafranca d'Asti	58338	6	\$421.44	\$84.29	\$337.15	\$1,404.80	\$280.96	\$1,123.84
1025	58BCD7C3	Stafford	Gretchen	Yuli	2446 Magnis St.	3962 Uma Avenue	Jefferson City	58578	6	\$559.20	\$111.84	\$447.36	\$559.20	\$111.87	\$447.36
2028	87E8D390	Preston	Evangeline	Desirae	6188 Egatas Avenue	Ap #330-2396 Eleifend St.	Molino dei Torti	59861	2	\$184.16	\$36.83	\$147.33	\$184.16	\$36.83	\$147.33
2111	A492113E	Olsen	Leandra	Orli	528-1019 Vitae St.	6044 Interdum Av.	Roux	70408	7	\$502.32	\$100.46	\$401.86	\$502.32	\$100.46	\$401.86
1021	B1EA672A	Parks	Wanda	Whilemina	Ap #315-7542 A. Ave	6189 Venenatis Street	Sanluri	51216	2	\$181.76	\$36.35	\$145.41	\$181.76	\$36.35	\$145.41
1026	B6979B8E	Dejesus	Blaine	Nola	846-977 Nullam Street	P.O. Box 876, 9883 Sem Road	Vandoeles/Vintl	59806	7	\$527.52	\$105.50	\$422.02	\$527.52	\$105.50	\$422.02
1027	B6979B8E	Dejesus	Blaine	Nola	846-977 Nullam Street	P.O. Box 876, 9883 Sem Road	Vandoeles/Vintl	59806	6	\$452.16	\$90.43	\$361.73	\$979.68	\$195.93	\$783.75
2102	E4117DE9	Gay	Tucker	Colin	P.O. Box 530, 8821 Leo, Road	P.O. Box 326, 7312 Semper Road	Malbaile	70116	7	\$555.52	\$111.10	\$444.42	\$555.52	\$111.10	\$444.42
2103	E4117DE9	Gay	Tucker	Colin	P.O. Box 530, 8821 Leo, Road	P.O. Box 326, 7312 Semper Road	Malbaile	70116	7	\$555.52	\$111.10	\$444.42	\$1,111.04	\$222.20	\$888.84
2110	E4117DE9	Gay	Tucker	Colin	P.O. Box 530, 8821 Leo, Road	P.O. Box 326, 7312 Semper Road	Malbaile	70116	5	\$396.80	\$79.36	\$317.44	\$1,507.84	\$301.56	\$1,206.28
2101	F3D4D51E	Francis	Erich	Alec	9401 Fringilla, St.	P.O. Box 867, 7629 Et Ave	Canela	70011	5	\$446.80	\$89.36	\$357.44	\$446.80	\$89.36	\$357.44
1042	F3E19D5E	Beach	Clarke	Bryar	4163 Malesuada Av.	Ap #337-7361 Neque St.	Tournefeuille	67266	7	\$561.12	\$112.22	\$448.90	\$561.12	\$112.22	\$448.90
2100	F3E19D5E	Beach	Clarke	Bryar	4163 Malesuada Av.	Ap #337-7361 Neque St.	Tournefeuille	67266	2	\$160.32	\$32.06	\$128.26	\$721.44	\$144.28	\$577.16

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SELECT checkNo, workerSSN, lName, fName, mName,
address1, address2, addressCity, addressZip,
daysWorked, grossPay, taxesWithheld, netPay,
ytDateGrossPay, ytDateTaxes, ytDateNetPay
FROM payroll, pworker
WHERE payroll.workerSSN = pworker.ssn;

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This is a Worker Jobs Report the first table is matching skill level with job level for each worker.

lName	fName	mName	telephone	skillName	skillLevel	jobNo	skillLevel	dateAvailable	rating
Beach	Clarke	Bryar	220-273-1698	Programming	Proficient	47	Moderate	17-NOV-2018	2
Beach	Clarke	Bryar	220-273-1698	Programming	Proficient	52	Novice	17-NOV-2018	2
Brennan	Travis	Demetria	234-375-9841	Programming	Novice	47	Moderate	25-NOV-2018	5
Brennan	Travis	Demetria	234-375-9841	Programming	Novice	52	Novice	25-NOV-2018	5
Dejesus	Blaine	Nola	692-177-7081	Cyber Security	Moderate	48	Proficient	27-OCT-2018	8
Dejesus	Blaine	Nola	692-177-7081	Cyber Security	Moderate	49	Proficient	27-OCT-2018	8
Dejesus	Blaine	Nola	692-177-7081	Cyber Security	Moderate	75	Proficient	27-OCT-2018	8
Francis	Erich	Alec	658-831-2656	Software	Novice	53	Moderate	24-NOV-2018	2
Gay	Tucker	Colin	606-295-4748	Project Management	Moderate	62	Proficient	07-NOV-2018	9
Kennedy	Honorato	Keellie	447-168-4834	Data Analysis	Moderate	51	Novice	10-DEC-2018	5
Olsen	Leandra	Orli	654-903-2246	Cyber Security	Proficient	48	Proficient	08-DEC-2018	6
Olsen	Leandra	Orli	654-903-2246	Cyber Security	Proficient	49	Proficient	08-DEC-2018	6
Olsen	Leandra	Orli	654-903-2246	Cyber Security	Proficient	75	Proficient	08-DEC-2018	6
Parks	Wanda	Whilemina	462-317-5004	Technical Writing	Proficient	46	Novice	02-DEC-2018	7
Preston	Evangeline	Desirae	832-138-9632	Operating Systems	Proficient	50	Moderate	18-NOV-2018	3
Stafford	Gretchen	Yuli	633-193-6320	Cyber Security	Proficient	48	Proficient	25-NOV-2018	6
Stafford	Gretchen	Yuli	633-193-6320	Cyber Security	Proficient	49	Proficient	25-NOV-2018	6
Stafford	Gretchen	Yuli	633-193-6320	Cyber Security	Proficient	75	Proficient	25-NOV-2018	6

```
SELECT lname, fName, mName, telephone, pworker.skillName, pworker.skillLevel, jobNo, job.skillLevel, dateAvailable, rating
FROM job, pworker
WHERE (pworker.skillName = job.skillName)
ORDER BY lname ASC
```

Reference Page

[1] D. Holland, *Finding the Building Blocks of Wood*, The University of Melbourne, June 6, 2018. Accessed on: June 13, 2018. [Online]. Available:

https://pursuit.unimelb.edu.au/articles/finding-the-building-blocks-of-wood?utm_source=linkedin.com&utm_medium=social&utm_content=story

[2] www.techonthenet.com, SQL: Comments. [Online].

Available: <https://www.techonthenet.com/sql/comments.php>. [Accessed: 30-Nov-2020].