

ITEN03C Final Project (Group 2)

Leader: Charles Joshua Tacda

Members: Allen Rae Patawaran

Charles Jansid Dela Viña

Deanne Marjorie Bautista

Hanna Panganiban

Joshua Moises Bay

Myka Factolerin

Stephen Dan Moral



Description

Za Warudo is a business process outsourcing company that specializes in the arrangement and management of schedules and attendance of employees for smaller companies that lack the resources for their own clock-in clock-out system.

Team

CEO (President): Charles Joshua C. Tacda

As a CEO of Za Warudo, Mr. Tacda will be responsible for the company's global strategy and operations, spanning the Philippines and the other countries where Za Warudo maintains offices and data centers. He is also responsible for the company record, leading, and transforming its organization to increase revenue, profitability, market share, customer satisfaction, and employee engagement.

Vice President: Joshua Moises D. Bay

As a Vice president of Za Warudo, Mr. Bay is usually the second or third in command and supports the CEO overseeing internal operations and stepping in when CEO Charles Tacda is unavailable. He will also focus on executing a go-to-market approach aimed at accelerating revenue and customer growth throughout the Za Warudo branches. Bay will serve as a member of the Za Warudo executive leadership team and report directly to CEO, Charles Tacda.

VP for Finance: Deanne Marjorie Bautista

Deanne joined Za Warudo as a VP for finance, In charge of overseeing the financial transactions of the company. Deanne leads worldwide finance and accounting and our global shared services organization within Za Warudo, which includes developing budgets, monitoring transactions, and preparing financial reports.

VP for IT Operations: Myka O. Factolerin

Myka is in charge of Resolving problems and issues professionally and engaging with customers to identify additional needs. She also ensures that customers are fully satisfied with the Za Warudo services provided and are offered value for money to build the client's reputation as a first-choice provider of media services.

Chief Information Officer (CIO): Hanna B. Panganiban

Hanna serves as the Chief Information Officer of Za Warudo and is responsible for technical strategy, thought leadership, and content marketing. She is also in charge of a company's information technology and computer systems and it includes assessing current processes, recommending software upgrades, and directing the executive team on the best processes.

Chief Technology Officer (CTO): Stephen Dan Francis R. Moral

As a Chief Technology Officer, Stephen is responsible for overseeing the development and dissemination of technology for external customers, vendors, and other clients to help improve and increase the business of Za Warudo Company.

Chief Security Officer (CSO): Allen Rae C. Patawaran

Allen is an executive responsible for the safety and security of company data, personnel, and assets. He is also responsible for preventing data breaches, phishing, and malware, by developing robust safety protocols and crisis management.

Chief Marketing Officer (CMO): Charles Jansid A. Dela Viña

Charles is a C-level corporate executive responsible for activities in an organization that have to do with creating, communicating, and delivering offerings that have value for customers, clients, or business partners.

Organizational Chart



Location

Main Branch: Cavite, Dasmarina

We chose to have our main branch in this location for accessibility for each member. We pinpointed a location closest to each of our homes since we can just deliver our service to other companies through the internet.

Local Branches:

Philippines:

BGC Corporate Center (Taguig).

Tramo St., Pasay City, Metro Manila,

70 National Road Putatan, Muntinlupa City, Metro Manila.

Jipang Building, Roxas Blvd. cor. Sen Gil Puyat Ave., Pasay City

Global City, Fort Bonifacio (Taguig)

International Branches:

Singapore:

150 Cecil Street, Singapore

28 Ayer Rajah, Bouna Vista, Singapore

1 Depot Cl, Alexandra Road, Singapore

14 Woodlands Square, Singapore

19 Tai Seng Avenue, Ubi, Singapore

The reason why we selected these locations is that these are the locations where there are small businesses and starting businesses and we also picked these locations since these are the best locations to run a business locally and internationally.

Company Size and Departments

Accounting Department:

Executive Director:

Mary Elizabeth Smith

Vice President:

Ada Maria Perez

Associate:

Alfonso Ernesto Lopez

Team Leader:

James De Guzman

Senior Team Member:

Pablo Escobar

Jobert Padilla

Team Member:

Josephine Mardi

Robert Cooper

Grace Reppin

Human Resource Department:

Executive Director:

Joshua Morgan

Vice President:

Miles Holmes

Associate:

Jennifer Kennedy

Team Leader:

Senior Team Member:

James Bond

Riley Bondoc

Team Member:

Lebron James

Nash Aguas

Kathrine Bossil

Customer Service Department:

Executive Director:

Lucy Foreman

Vice President:

Tracey Williams

Associate:

Camille Harris

Team Leader:

Maribel Howard

Senior Team Member:

Rio Hamilton

Tokyo Foster

Team Member:

Berlin Butler

Helsinki Bennet
Denver Bryant

Security Department:

Executive Director:

Lesley White

Vice President:

Ernest Bell

Associate:

Nathaniel Matthews

Team Leader:

Peter Coleman

Senior Team Member:

Hasbulla Fisher

Alicia Patterson

Team Member:

Hector Reid

Brian Stewart

Joe Sheppard

Marketing and Sales Department:

Executive Director:

Carlos Grant

Vice President:

Juliana Jacobs

Associate:

Neil Trujillo

Team Leader:

Martin Kingston

Senior Team Member:

Daniel Mosbey

Arnold Padilla

Team Member:

Jesse Pinkman
Christina Crawford
Jihos Infi

Simple Proposed System

The screenshot shows a web application interface for 'ZA WARUDO'. The header is yellow with the logo and navigation links: HOME, TIMESHEET, and CALENDAR. On the right, there are links for PROFILE and LOG OFF. The main content area has a dark background. At the top, it displays the date and time: 'Sun Jan 09 2022 19:28:26 GMT+0800 (Philippine Standard Time)'. Below this, the time '07:28:32 PM' is shown in large yellow digits. There are four input fields for employee information: EMPLOYEE NAME (Charles Joshua Tacda), EMPLOYEE ID (1), COMPANY (CodeNet Philippines, Inc.), and DEPARTMENT (Administration). Below these fields are two buttons: 'TIME IN' (green) and 'TIME OUT' (red). At the bottom, there is a table with the following columns: Timesheet_ID, Employee_ID, Timesheet_Date, Time_In, and Time_Out. The table currently shows 'No Records'.

Timesheet_ID	Employee_ID	Timesheet_Date	Time_In	Time_Out
No Records				

Time Tracking System

- The function of our system is to get time-in and time-out input from other companies' employees to manage and organize their timesheets. The records include Employee's ID, name, company, department, date, time in, and time out. After sorting, we will provide each company with a report of their employee's timesheets.
- This system is the source of income for our company. It allows us to give service to smaller companies that don't have enough income or employees to work on their timesheets.
- This system belongs to the IT Department as they are the ones who monitor and modify every record in the database.

IT Department

Chief Technology Officer (CTO): Manages the technological functions within the company.

Chief Information Officer (CIO): Handles the management, integration, and effectiveness of data and information technology.

Chief Security Officer (CSO): Manages and leads the security team of the company and ensures safety from both physical and digital security threats.

Cloud System Administrator: Manages, develops, implements and configures the cloud system.

Cloud Security Specialist: Knowledgeable in security threats in the cloud, they handle controls and the associated technologies for the security of the cloud system.

IT Systems Architect: Creates, configures, and maintains the different systems and technological infrastructures in IT.

Network Administrator: Manages the network systems to keep them operational and efficient.

System Administrator: Maintains and ensures the uptime of the organization's computers, servers, internet, and systems.

Security Systems Administrator: Manages, maintains, supports, and monitors the security system so as to be efficient in the detection and prevention of digital security threats.

IT Support Specialist: Analyzes problems, troubleshoots them, and implements what they deem as necessary for technological solutions.

Database:

Database Administrator: Manages and carries out all the tasks that can be performed in the database.

Database Analyst: Organizes and makes sense of information for the creation of functional database systems.

Maintenance Administrator: Maintains the server.

Process Administrator: Assesses, monitors, and kills user processes.

User Administrator: Creates user logins and manages passwords and their resetting.

Security Administrator: Manages logins and grants/revokes server privileges.

Monitor Administrator: Has limited rights in monitoring the server.

Database Manager: Has complete control on all databases.

Database Designer: Creates and reverse-engineers database schema.

Replication Administrator: Sets up and manages replication.

Backup Administrator: Has limited rights for database backing up.

IT Infrastructure

- **Firewall, Router, Internet, Cloud** (These are responsible for data protection, linking to other networks, and online access.)
- **Networks/ Network Switch** (It is responsible for minimizing dropped connections)
- **Software** (Applications used by the enterprise to provide various services)
- **Communication Device** (Used in communicating and updating other team members)
- **Backup Devices** (It is a protection for data loss)
- **Wired and Wireless Devices**
- **Database** (It is responsible for managing the company's crucial information)
- **Servers** (It is responsible for giving multiple users access to programs simultaneously)
- **Storage Devices** (Used in storing essential data of the company)

The reason behind our IT Infrastructure is that we believe that this will make our company work successfully. Usually, an IT Infrastructure makes up the software, hardware, and Network. On the other hand, our company came up with twelve elements. It comprises Firewall, Router, Internet, Cloud, Networks/ Network switches, Software, Communication devices, Backup Devices, Wired and Wireless Devices, Databases, Servers, Storage Devices. Each element corresponds with its function and how it will benefit the company. And with this, we can deliver IT solutions and services to our customers, partners, and team members.

Hardware

Here is the list of units that are compatible with macOS 12: Monterey, as it is the main Operating System that we will use for our system. We chose the oldest unit compatible with Monterey as our minimum system requirements, and the 2019 units as our recommended system requirements.

a. Hardware Capacities:

Minimum System Requirements

We used the specifications of MacBook Air (11-inch), which was released early 2015. This version of the MacBook Air has the lowest specifications when it comes to the MacBook units that were released on 2015. Link: https://support.apple.com/kb/SP713?locale=en_US

RAM: Kingston (minimum 4 GB)

Hard Drive: Kingston 128GB

Monitor: Apple, 1280x720, 11.6-inch LED

Graphics: Intel HD Graphics 6100

Recommended System Requirements

We used the specifications of MacBook Pro (16-inch), which was released in 2019. Link: https://support.apple.com/kb/SP809?locale=en_US

RAM: Kingston (Recommended 8GB)

Hard Drive: Kingston 512GB

Monitor: Apple, 1920x1080, 16-inch Retina LED

Graphics: AMD Radeon Pro 5300M

b. Required Software:

OS: Mac, Specifically macOS 12: Monterey

We used macOS 12: Monterey as it is the latest OS that Mac units use as of 2021. macOS 12: Monterey is not compatible with every Mac unit that is why there should be minimum system requirements.

Office: Microsoft Office

Database: MySQL Workbench

c. Software Levels:

Browser: OS: Chrome or Safari

d. Virus Protection:

Antivirus: Norton, Bitdefender, McAfee

Anti-malware: Malwarebytes

Networks

PLDT: Beyond Fiber Business Plan (Business-grade fiber of up to 50 Mbps with the 90-90 Advantage)

Unli Fibr Plus Plan (upto 1000 mbps)

Printers

HP: Hp LaserJet Pro P1102 printer

Epson: Epson Work-force WF-7710

Epson Ecotank L121 printer

Communication Device

Landline: Panasonic KX-TGF352N Corded/Cordless Phone

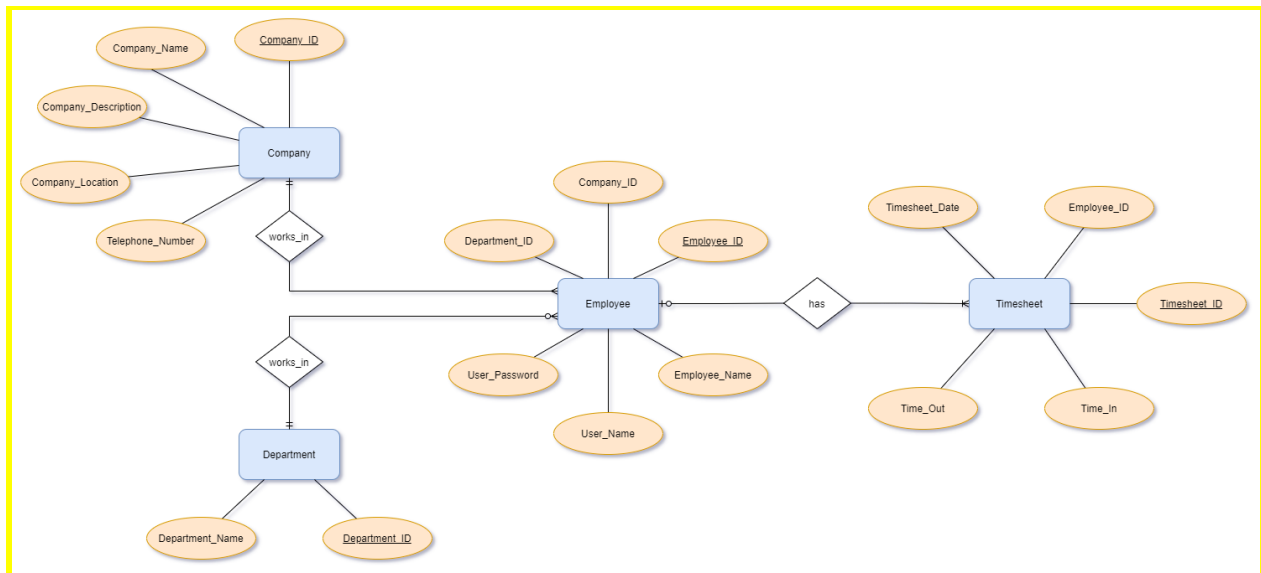
Smartphones: Samsung Galaxy Note 20 Ultra

Google pixel 4a

Tablets: Microsoft Surface Pro X

Galaxy Tab S7 Plus

ER Diagram



The ER Diagram consists of four entities, Company, Department, Employee, and Timesheet. All entities have attributes, which include the primary key. We decided to use this design to know the relationship of each entity in our function. Employees work in a Company and Department. The Employee entity also has a Timesheet to record their time in and time out.

Entities:

- Company

Attributes: - Company_ID (Primary Key)

Company_Name

Company_Description

Company_Location

Telephone_Number

- Department

Attributes: - Department_ID (Primary Key)

Department_Name

- Employee

Attributes: - Employee_ID (Primary Key)

Company_ID (Foreign Key)

Department_ID (Foreign Key)

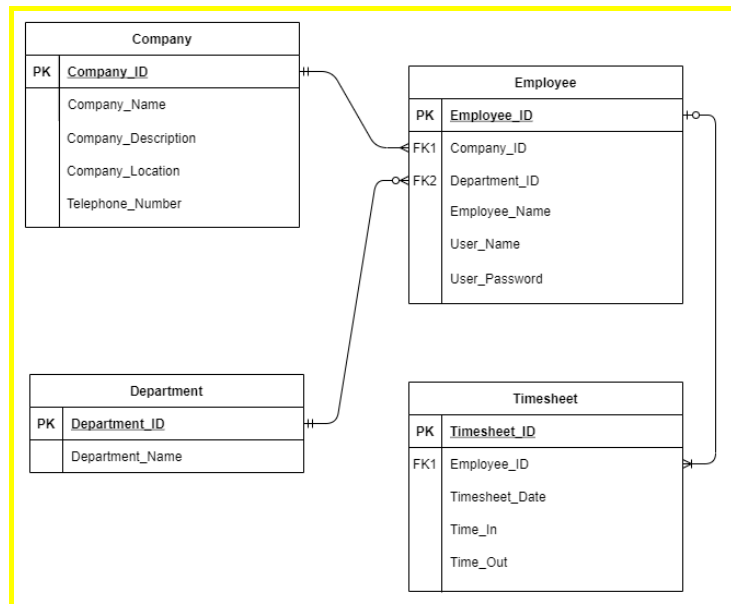
Employee_Name

User_Name
User_Password

- Timesheet

Attributes: - Timesheet_ID (Primary Key)
Employee_ID (Foreign Key)
Timesheet_Date
Time_In
Time_Out

Model Diagram



The Model Diagram consists of four tables, Company, Department, Employee, and Timesheet. All entities have attributes, which include the primary key. We decided to use this design to know the flow of the function. We can see from the left side that the Company and Department tables are connected to the Employee table. The primary key of the two tables links them to the Employee table so that records won't duplicate when identifying the company and department of every employee. Lastly, the Employee entity is connected to the Timesheet table through a foreign key.

Tables:

- Company

Records: - Company_ID (Primary Key)

Company_Name
Company_Description
Company_Location
Telephone_Number

- Department

Records: - Department_ID (Primary Key)
Department_Name

- Employee

Records: - Employee_ID (Primary Key)
Company_ID (Foreign Key)
Department_ID (Foreign Key)
Employee_Name
User_Name
User_Password

- Timesheet

Records: - Timesheet_ID (Primary Key)
Employee_ID (Foreign Key)
Timesheet_Date
Time_In
Time_Out

The mapping cardinality varies for each of the primary/foreign keys. The Company_ID key has a "one and only one" to "many" relationship from the Company entity to the Employee entity because the company is just one but it handles many employees. The Department_ID key has a "one and only one" to "zero or many" relationship from the Department entity to the Employee entity because an employee's department can only be one, and some departments can be nonexistent in a company, but is existent in another company, making cases of some employees not being attributed to some departments possible. Lastly, the Employee_ID has a "zero or one" to "one or many" relationship from the Employee entity to the Timesheet entity because employees may or may not log their time record on the sheet, depending on if they are present, absent, or are on a sick or excused leave.

Generated Report

Table Company with attributes Company_ID (Primary Key), Company_Name, Company_Description, Company_Location, and Telephone_Number

```

5      /* Creates Table Company */
6  • CREATE TABLE Company(
7      Company_ID INT PRIMARY KEY AUTO_INCREMENT NOT NULL,
8      Company_Name VARCHAR(50),
9      Company_Description VARCHAR(255),
10     Company_Location VARCHAR(255),
11     Telephone_Number VARCHAR(50)
12 );

```

```

14  /* Inserts values to Company */
15  • INSERT INTO Company(Company_Name, Company_Description, Company_Location, Telephone_Number)
16  VALUES ('Flip Philippines, Inc.', 'Mobile Phone Company', 'Level 2, Unit No. 260, SM City, Governors Drive, Barangay Sampaloc 1, Dasmariñas City', '(049) 549 7253'),
17         ('CodeNet Philippines, Inc.', 'Computer Programming Company', '115 Don Carlos Palanca, Legazpi Village, Makati, 1229 Kalakhang Maynila', '(02) 8540 1835'),
18         ('Eatwell Philippines, Inc.', 'Food & Beverage Company', 'No. 31 Plaza Dr, Rockwell Center, Makati, 1200 Metro Manila', '(046) 842 8159');

```

Company_ID	Company_Name	Company_Description	Company_Location	Telephone_Number
1	Flip Philippines, Inc.	Mobile Phone Company	Level 2, Unit No. 260, SM City, Governors Drive, Barangay Sampaloc 1, Dasmariñas City	(049) 549 7253
2	CodeNet Philippines, Inc.	Computer Programming Company	115 Don Carlos Palanca, Legazpi Village, Makati, 1229 Kalakhang Maynila	(02) 8540 1835
3	Eatwell Philippines, Inc.	Food & Beverage Company	No. 31 Plaza Dr, Rockwell Center, Makati, 1200 Metro Manila	(046) 842 8159

Table Department with attributes Department_ID (Primary Key) and Department_Name

```

20     /* Creates Table Department */
21  • CREATE TABLE Department(
22     Department_ID INT PRIMARY KEY AUTO_INCREMENT NOT NULL,
23     Department_Name VARCHAR(50)
24 );

```

```

26  /* Inserts values to Department */
27  • INSERT INTO Department(Department_Name)
28  VALUES ('Research & Development'),
29         ('Purchasing'),
30         ('Production'),
31         ('Administration'),
32         ('Human Resources'),
33         ('Marketing'),
34         ('Finances'),
35         ('Service Department');

```


Department_ID	Department_Name
1	Research & Development
2	Purchasing
3	Production
4	Administration
5	Human Resources
6	Marketing
7	Finances
8	Service Department

Table Employee with attributes Employee_ID (Primary Key), Company_ID (Foreign Key), Department_ID (Foreign Key), Employee_Name, User_Name, and User_Password

```

37  /* Creates Table Employee */
38  CREATE TABLE Employee(
39      Employee_ID INT PRIMARY KEY AUTO_INCREMENT NOT NULL,
40      Company_ID INT,
41      Department_ID INT,
42      Employee_Name VARCHAR(50),
43      User_Name VARCHAR(50),
44      User_Password VARCHAR(50),
45      FOREIGN KEY (Company_ID) REFERENCES Company(Company_ID),
46      FOREIGN KEY (Department_ID) REFERENCES Department(Department_ID)
47  );

```

```

49  /* Inserts values to Employee */
50  INSERT INTO Employee(Company_ID, Department_ID, Employee_Name, User_Name, User_Password)
51  VALUES (1, 8, 'Ronald Disomimba', 'ronald.disomimba79', '21519d3fd83341986ff7b8c441ba43f8'),
52          (2, 7, 'Fidel Villaroman', 'fidel.villaroman38', '49ef861ebf6feea93a618d6cedf71a24'),
53          (2, 2, 'Bartoli Corporal', 'bartoli.corporal33', '6f549b98aa317cfcae2b86926a2e37dc'),
54          (2, 6, 'Francis Caballero', 'francis.caballero44', 'cf9cbebabaf1dc9d2f75478e919cfeae'),
55          (1, 4, 'Marino Bernal', 'marino.bernal52', 'c55b071cc1aa0ad4b93c9a8b9582b5e'),
56          (2, 7, 'Gage Austing Rana', 'gage.rana55', '8ce24615431da6019398e4776a1528b2'),
57          (2, 5, 'Fred Elefante', 'fred.elefante58', '1081625c118f3b5d10fb293ea68de535'),
58          (2, 2, 'Rico Dante Ilagan', 'rico.ilagan23', 'd3a07b79c142302e164bfc048dadb546'),
59          (3, 4, 'Rudy Jabillo', 'rudy.jabillo83', 'a77cbaac9d1f9d21ff544ed2a278d2b4'),
60          (3, 1, 'Teyo Monzon', 'teyo.monzon76', '9970b74a7a8524bfc25f22acd5cf039c'),
61          (1, 3, 'Dion Roxas', 'dion.roxas89', 'c4c3765fa4ae488cab0549b2ef14fd27'),
62          (1, 1, 'Rage Panaligan', 'rage.panaligan60', 'dcb3a518de9e0b597bb5a9e7540fb217'),
63          (3, 5, 'Turi Gerard Macrohon', 'turi.macrohon59', '36467f9464aa80704c94525c390f6f73'),
64          (1, 7, 'Shawn Nick Masancay', 'shawn.masancay71', '40156b91e386737ae5165bffc0e135bd'),
65          (1, 3, 'Jayden Cabrales', 'jayden.cabrales30', '6c4213bcf9536108f9cb7851ba9ecac3'),
66          (1, 1, 'Cyrus Dominguez', 'cyrus.dominguez50', 'e485ec0342fa8b06169e9b4b28aae765'),
67          (1, 5, 'Anthony Macalintal', 'anthony.macalintal12', '1367e0c8f2b8d95b5a7a81034bb3d2c7'),
68          (3, 6, 'Timothy Emili Tugonon', 'timothy.tugonon24', 'b39d088e32c1479b4a658330725116b6'),
69          (2, 8, 'Arnold Amurao', 'arnold.amurao98', '1bab5d99a2dce2b42f242d24b622976c'),
70          (2, 8, 'Quinten Perez', 'quinten.perez97', '351176eb0685a4b6cd78d333cadd1bf5');

```

Employee_ID	Company_ID	Department_ID	Employee_Name	User_Name	User_Password
1	1	8	Ronald Disomimba	ronald.disomimba79	21519d3fd83341986ff7b8c441ba43f8
2	2	7	Fidel Villaroman	fidel.villaroman38	49ef861ebf6fee a93a618d6cedf71a24
3	2	2	Bartoli Corporal	bartoli.corporal33	6f549b98aa317cfcae2b86926a2e37dc
4	2	6	Francis Caballero	francis.caballero44	cf9cbebabaf1dc9d2f75478e919cfeae
5	1	4	Marino Bernal	marino.bernal52	c55b071cc1aa00ad4b93c9a8b9582b5e
6	2	7	Gage Austing Rana	gage.rana55	8ce24615431da6019398e4776a1528b2
7	2	5	Fred Elefante	fred.elefante58	1081625c118f3b5d10fb293eae68de535
8	2	2	Rico Dante Ilagan	rico.ilagan23	d3a07b79c142302e164bfc048dadb546
9	3	4	Rudy Jabillo	rudy.jabillo88	a77cbaac9d1f9d21ff544ed2a278d2b4
10	3	1	Teyo Monzon	teyo.monzon76	9970b74a7a8524bfc25f22acd5cf039c
11	1	3	Dion Roxas	dion.roxas89	c4c3765fa4ae488cab0549b2ef14fd27
12	1	1	Rage Panaligan	rage.panaligan60	dc3a518de9e0b597bb5a9e7540fb217
13	3	5	Turi Gerard Macrohon	turi.macrohon59	36467f9464aa80704c94525c390f6f73
14	1	7	Shawn Nick Masancay	shawn.masancay71	40156b91e386737ae5165bffc0e135bd
15	1	3	Jayden Cabrales	jayden.cabrales30	6c4213bcf9536108f9cb7851ba9eacac3
16	1	1	Cyrus Dominguez	cyrus.dominguez50	e485ec0342fa8b06169e9b4b28aae765
17	1	5	Anthony Macalintal	anthony.macalintal12	1367e0c8f2b8d95b5a7a81034bb3d2c7
18	3	6	Timothy Emili Tugonon	timothy.tugonon24	b39d088e32c1479b4a658330725116b6
19	2	8	Arnold Amurao	arnold.amurao98	1bab5d99a2dce2b42f242d24b622976c
20	2	8	Quinten Perez	quinten.perez97	351176eb0685a4b6cd78d33cadd1bf5

Table Timesheet with attributes Timesheet_ID (Primary Key), Employee_ID (Foreign Key), Timesheet_Date, Time_In, and Time_Out

```

72      /* Creates Table Timesheet */
73  • ○ CREATE TABLE Timesheet(
74      Timesheet_ID INT PRIMARY KEY AUTO_INCREMENT NOT NULL,
75      Employee_ID INT,
76      Timesheet_Date VARCHAR(20),
77      Time_In VARCHAR(10),
78      Time_Out VARCHAR(10),
79      FOREIGN KEY (Employee_ID) REFERENCES Employee(Employee_ID)
80  );

```

```

82      /* Inserts values to Timehseet */
83      • INSERT INTO Timesheet(Employee_ID, Timesheet_Date, Time_In, Time_Out)
84      VALUES (1, '11/1/2021', '7:10 AM', '3:31 PM'),
85              (2, '11/1/2021', '7:15 AM', '3:33 PM'),
86              (3, '11/2/2021', '7:00 AM', '3:33 PM'),
87              (4, '11/2/2021', '7:02 AM', '3:37 PM'),
88              (5, '11/2/2021', '8:01 AM', '4:01 PM'),
89              (6, '11/2/2021', '8:01 AM', '4:06 PM'),
90              (7, '11/2/2021', '8:15 AM', '4:02 PM'),
91              (8, '11/2/2021', '8:19 AM', '4:06 PM'),
92              (9, '11/2/2021', '12:30 AM', '9:10 PM'),
93              (10, '11/3/2021', '7:05 AM', '3:31 PM'),
94              (11, '11/3/2021', '8:05 AM', '4:11 PM'),
95              (12, '11/3/2021', '12:35 AM', '9:06 PM'),
96              (13, '11/3/2021', '12:37 AM', '9:38 PM'),
97              (14, '11/3/2021', '12:39 AM', '9:21 PM'),
98              (15, '11/4/2021', '7:14 AM', '3:39 PM'),
99              (16, '11/4/2021', '8:10 AM', '4:14 PM'),
100             (17, '11/4/2021', '12:31 AM', '9:15 PM'),
101             (18, '11/4/2021', '12:31 AM', '9:14 PM'),
102             (19, '11/4/2021', '12:33 AM', '9:22 PM'),
103             (20, '11/4/2021', '12:38 AM', '9:20 PM');

```

Timesheet_ID	Employee_ID	Timesheet_Date	Time_In	Time_Out
1	1	11/1/2021	7:10AM	3:31 PM
2	2	11/1/2021	7:15 AM	3:33 PM
3	3	11/2/2021	7:00AM	3:33 PM
4	4	11/2/2021	7:02 AM	3:37 PM
5	5	11/2/2021	8:01 AM	4:01 PM
6	6	11/2/2021	8:01 AM	4:06 PM
7	7	11/2/2021	8:15 AM	4:02 PM
8	8	11/2/2021	8:19 AM	4:06 PM
9	9	11/2/2021	12:30 AM	9:10 PM
10	10	11/3/2021	7:05 AM	3:31 PM
11	11	11/3/2021	8:05 AM	4:11 PM
12	12	11/3/2021	12:35 AM	9:06 PM
13	13	11/3/2021	12:37 AM	9:38 PM
14	14	11/3/2021	12:39 AM	9:21 PM
15	15	11/4/2021	7:14 AM	3:39 PM
16	16	11/4/2021	8:10 AM	4:14 PM
17	17	11/4/2021	12:31 AM	9:15 PM
18	18	11/4/2021	12:31 AM	9:14 PM
19	19	11/4/2021	12:33 AM	9:22 PM
20	20	11/4/2021	12:38 AM	9:20 PM

Combine tables from Employee Table (Employee_ID and Employee_Name), left join to Company Table (Company_Name), left join to Department Table (Department_Name), left join to Timesheet Table (Timesheet_Date, Time_In, and Time_Out)

```

1      /* Join statement for all the records*/
2      • SELECT Employee.Employee_ID, Employee.Employee_Name, Company.Company_Name,
3             Department.Department_Name, Timesheet.Timesheet_Date, Timesheet.Time_In,
4             Timesheet.Time_Out
5      FROM Employee
6      LEFT JOIN Company ON Employee.Company_ID=Company.Company_ID
7      LEFT JOIN Department ON Employee.Department_ID=Department.Department_ID
8      LEFT JOIN Timesheet ON Timesheet.Employee_ID=Employee.Employee_ID;

```

Employee_ID	Employee_Name	Company_Name	Department_Name	Timesheet_Date	Time_In	Time_Out
1	Ronald Disomimba	Flip Philippines, Inc.	Service Department	11/1/2021	7:10 AM	3:31 PM
2	Fidel Villaroman	CodeNet Philippines, Inc.	Finances	11/1/2021	7:15 AM	3:33 PM
3	Bartoli Corporal	CodeNet Philippines, Inc.	Purchasing	11/2/2021	7:00 AM	3:33 PM
4	Francis Caballero	CodeNet Philippines, Inc.	Marketing	11/2/2021	7:02 AM	3:37 PM
5	Marino Bernal	Flip Philippines, Inc.	Administration	11/2/2021	8:01 AM	4:01 PM
6	Gage Austing Rana	CodeNet Philippines, Inc.	Finances	11/2/2021	8:01 AM	4:06 PM
7	Fred Elefante	CodeNet Philippines, Inc.	Human Resrouces	11/2/2021	8:15 AM	4:02 PM
8	Rico Dante Ilagan	CodeNet Philippines, Inc.	Purchasing	11/2/2021	8:19 AM	4:06 PM
9	Rudy Jabillo	Eatwell Philippines, Inc.	Administration	11/2/2021	12:30 AM	9:10 PM
10	Teyo Monzon	Eatwell Philippines, Inc.	Research & Deve lopment	11/3/2021	7:05 AM	3:31 PM
11	Dion Roxas	Flip Philippines, Inc.	Production	11/3/2021	8:05 AM	4:11 PM
12	Rage Panaligan	Flip Philippines, Inc.	Research & Deve lopment	11/3/2021	12:35 AM	9:06 PM
13	Turi Gerard Macrohon	Eatwell Philippines, Inc.	Human Resrouces	11/3/2021	12:37 AM	9:38 PM
14	Shawn Nick Masancay	Flip Philippines, Inc.	Finances	11/3/2021	12:39 AM	9:21 PM
15	Jayden Cabrales	Flip Philippines, Inc.	Production	11/4/2021	7:14 AM	3:39 PM
16	Cyrus Dominguez	Flip Philippines, Inc.	Research & Deve lopment	11/4/2021	8:10 AM	4:14 PM
17	Anthony Macalintal	Flip Philippines, Inc.	Human Resrouces	11/4/2021	12:31 AM	9:15 PM
18	Timothy Emili Tugonon	Eatwell Philippines, Inc.	Marketing	11/4/2021	12:31 AM	9:14 PM
19	Arnold Amurao	CodeNet Philippines, Inc.	Service Department	11/4/2021	12:33 AM	9:22 PM
20	Quinten Perez	CodeNet Philippines, Inc.	Service Department	11/4/2021	12:38 AM	9:20 PM

Combine tables from Employee Table (Employee_ID and Employee_Name), inner join to Company Table (Company_Name that is 'Flip Philippines, Inc. '), left join to Department Table (Department_Name), left join to Timesheet Table (Timesheet_Date, Time_In, and Time_Out)

```

10      /* Join statement for Flip Philippines, Inc.*/
11 •    SELECT Employee.Employee_ID, Employee.Employee_Name, Company.Company_Name,
12           Department.Department_Name, Timesheet.Timesheet_Date, Timesheet.Time_In,
13           Timesheet.Time_Out
14      FROM Employee
15      INNER JOIN Company ON Employee.Company_ID=Company.Company_ID
16      LEFT JOIN Department ON Employee.Department_ID=Department.Department_ID
17      LEFT JOIN Timesheet ON Timesheet.Employee_ID=Employee.Employee_ID
18      WHERE Company.Company_Name='Flip Philippines, Inc.';

```

Employee_ID	Employee_Name	Company_Name	Department_Name	Timesheet_Date	Time_In	Time_Out
1	Ronald Disomimba	Flip Philippines, Inc.	Service Department	11/1/2021	7:10 AM	3:31 PM
5	Marino Bernal	Flip Philippines, Inc.	Administration	11/2/2021	8:01 AM	4:01 PM
11	Dion Roxas	Flip Philippines, Inc.	Production	11/3/2021	8:05 AM	4:11 PM
12	Rage Panaligan	Flip Philippines, Inc.	Research & Development	11/3/2021	12:35 AM	9:06 PM
14	Shawn Nick Masancay	Flip Philippines, Inc.	Finances	11/3/2021	12:39 AM	9:21 PM
15	Jayden Cabrales	Flip Philippines, Inc.	Production	11/4/2021	7:14 AM	3:39 PM
16	Cyrus Dominguez	Flip Philippines, Inc.	Research & Development	11/4/2021	8:10 AM	4:14 PM
17	Anthony Macalintal	Flip Philippines, Inc.	Human Resources	11/4/2021	12:31 AM	9:15 PM

Combine tables from Employee Table (Employee_ID and Employee_Name), inner join to Company Table (Company_Name that is 'CodeNet Philippines, Inc. '), left join to Department Table (Department_Name), left join to Timesheet Table (Timesheet_Date, Time_In, and Time_Out)

```

20      /* Join statement for CodeNet Philippines, Inc.*/
21 •    SELECT Employee.Employee_ID, Employee.Employee_Name, Company.Company_Name,
22           Department.Department_Name, Timesheet.Timesheet_Date, Timesheet.Time_In,
23           Timesheet.Time_Out
24      FROM Employee
25      INNER JOIN Company ON Employee.Company_ID=Company.Company_ID
26      LEFT JOIN Department ON Employee.Department_ID=Department.Department_ID
27      LEFT JOIN Timesheet ON Timesheet.Employee_ID=Employee.Employee_ID
28      WHERE Company.Company_Name='CodeNet Philippines, Inc.';

```

Employee_ID	Employee_Name	Company_Name	Department_Name	Timesheet_Date	Time_In	Time_Out
2	Fidel Villaroman	CodeNet Philippines, Inc.	Finances	11/1/2021	7:15 AM	3:33 PM
3	Bartoli Corporal	CodeNet Philippines, Inc.	Purchasing	11/2/2021	7:00 AM	3:33 PM
4	Francis Caballero	CodeNet Philippines, Inc.	Marketing	11/2/2021	7:02 AM	3:37 PM
6	Gage Austing Rana	CodeNet Philippines, Inc.	Finances	11/2/2021	8:01 AM	4:06 PM
7	Fred Elefante	CodeNet Philippines, Inc.	Human Resources	11/2/2021	8:15 AM	4:02 PM
8	Rico Dante Ilagan	CodeNet Philippines, Inc.	Purchasing	11/2/2021	8:19 AM	4:06 PM
19	Arnold Amurao	CodeNet Philippines, Inc.	Service Department	11/4/2021	12:33 AM	9:22 PM
20	Quinten Perez	CodeNet Philippines, Inc.	Service Department	11/4/2021	12:38 AM	9:20 PM

Combine tables from Employee Table (Employee_ID and Employee_Name), inner join to Company Table (Company_Name that is 'Eatwell Philippines, Inc. '), left join to Department Table (Department_Name), left join to Timesheet Table (Timesheet_Date, Time_In, and Time_Out)

```

30      /* Join statement for Eatwell Philippines, Inc.*/
31 •    SELECT Employee.Employee_ID, Employee.Employee_Name, Company.Company_Name,
32           Department.Department_Name, Timesheet.Timesheet_Date, Timesheet.Time_In,
33           Timesheet.Time_Out
34      FROM Employee
35     INNER JOIN Company ON Employee.Company_ID=Company.Company_ID
36     LEFT JOIN Department ON Employee.Department_ID=Department.Department_ID
37     LEFT JOIN Timesheet ON Timesheet.Employee_ID=Employee.Employee_ID
38     WHERE Company.Company_Name='Eatwell Philippines, Inc.';

```

Employee_ID	Employee_Name	Company_Name	Department_Name	Timesheet_Date	Time_In	Time_Out
9	Rudy Jabillo	Eatwell Philippines, Inc.	Administration	11/2/2021	12:30AM	9:10PM
10	Teyo Monzon	Eatwell Philippines, Inc.	Research & Development	11/3/2021	7:05 AM	3:31 PM
13	Turi Gerard Macrohon	Eatwell Philippines, Inc.	Human Resrouces	11/3/2021	12:37 AM	9:38 PM
18	Timothy Emili Tugonon	Eatwell Philippines, Inc.	Marketing	11/4/2021	12:31AM	9:14PM

Create a new view named 'EmployeeTimesheetView' from Employee Table (Employee ID and Employee Name), left join to Company Table (Company Name), left join to Department Table (Department Name), left join to Timesheet Table (Date, Time In, and Time Out)

```

1      /* View for all the records*/
2 •    CREATE VIEW EmployeeTimesheetView AS
3      SELECT Employee.Employee_ID AS 'Employee ID',
4             Employee.Employee_Name AS 'Employee Name',
5             Company.Company_Name AS 'Company Name',
6             Department.Department_Name AS 'Department Name',
7             Timesheet.Timesheet_Date AS 'Date',
8             Timesheet.Time_In AS 'Time In',
9             Timesheet.Time_Out AS 'Time Out'
10     FROM Employee
11     LEFT JOIN Company ON Employee.Company_ID=Company.Company_ID
12     LEFT JOIN Department ON Employee.Department_ID=Department.Department_ID
13     LEFT JOIN Timesheet ON Timesheet.Employee_ID=Employee.Employee_ID;

```

Employee ID	Employee Name	Company Name	Department Name	Date	Time In	Time Out
1	Ronald Disomimba	Flip Philippines, Inc.	Service Department	11/1/2021	7:10 AM	3:31 PM
2	Fidel Villaroman	CodeNet Philippines, Inc.	Finances	11/1/2021	7:15 AM	3:33 PM
3	Bartoli Corporal	CodeNet Philippines, Inc.	Purchasing	11/2/2021	7:00 AM	3:33 PM
4	Francis Caballero	CodeNet Philippines, Inc.	Marketing	11/2/2021	7:02 AM	3:37 PM
5	Marino Bernal	Flip Philippines, Inc.	Administration	11/2/2021	8:01 AM	4:01 PM
6	Gage Austing Rana	CodeNet Philippines, Inc.	Finances	11/2/2021	8:01 AM	4:06 PM
7	Fred Elefante	CodeNet Philippines, Inc.	Human Resources	11/2/2021	8:15 AM	4:02 PM
8	Rico Dante Ilagan	CodeNet Philippines, Inc.	Purchasing	11/2/2021	8:19 AM	4:06 PM
9	Rudy Jabillo	Eatwell Philippines, Inc.	Administration	11/2/2021	12:30 AM	9:10 PM
10	Teyo Monzon	Eatwell Philippines, Inc.	Research & Development	11/3/2021	7:05 AM	3:31 PM
11	Dion Roxas	Flip Philippines, Inc.	Production	11/3/2021	8:05 AM	4:11 PM
12	Rage Panaligan	Flip Philippines, Inc.	Research & Development	11/3/2021	12:35 AM	9:06 PM
13	Turi Gerard Macrohon	Eatwell Philippines, Inc.	Human Resources	11/3/2021	12:37 AM	9:38 PM
14	Shawn Nick Masancay	Flip Philippines, Inc.	Finances	11/3/2021	12:39 AM	9:21 PM
15	Jayden Cabrales	Flip Philippines, Inc.	Production	11/4/2021	7:14 AM	3:39 PM
16	Cyrus Dominguez	Flip Philippines, Inc.	Research & Development	11/4/2021	8:10 AM	4:14 PM
17	Anthony Macalintal	Flip Philippines, Inc.	Human Resources	11/4/2021	12:31 AM	9:15 PM
18	Timothy Emili Tugonon	Eatwell Philippines, Inc.	Marketing	11/4/2021	12:31 AM	9:14 PM
19	Arnold Amurao	CodeNet Philippines, Inc.	Service Department	11/4/2021	12:33 AM	9:22 PM
20	Quinten Perez	CodeNet Philippines, Inc.	Service Department	11/4/2021	12:38 AM	9:20 PM

Create a new view named 'FlipEmployeeTimesheetView' from Employee Table (Employee ID and Employee Name), inner join to Company Table (Company Name that is 'Flip Philippines, Inc. '), left join to Department Table (Department Name), left join to Timesheet Table (Date, Time In, and Time Out)

```

15      /* View for Flip Philippines, Inc.*/
16      • CREATE VIEW FlipEmployeeTimesheetView AS
17      SELECT Employee.Employee_ID AS 'Employee ID',
18             Employee.Employee_Name AS 'Employee Name',
19             Company.Company_Name AS 'Company Name',
20             Department.Department_Name AS 'Department Name',
21             Timesheet.Timesheet_Date AS 'Date',
22             Timesheet.Time_In AS 'Time In',
23             Timesheet.Time_Out AS 'Time Out'
24      FROM Employee
25      INNER JOIN Company ON Employee.Company_ID=Company.Company_ID
26      LEFT JOIN Department ON Employee.Department_ID=Department.Department_ID
27      LEFT JOIN Timesheet ON Timesheet.Employee_ID=Employee.Employee_ID
28      WHERE Company.Company_Name='Flip Philippines, Inc.';

```


Employee ID	Employee Name	Company Name	Department Name	Date	Time In	Time Out
1	Ronald Disomimba	Flip Philippines, Inc.	Service Department	11/1/2021	7:10 AM	3:31 PM
5	Marino Bernal	Flip Philippines, Inc.	Administration	11/2/2021	8:01 AM	4:01 PM
11	Dion Roxas	Flip Philippines, Inc.	Production	11/3/2021	8:05 AM	4:11 PM
12	Rage Panaligan	Flip Philippines, Inc.	Research & Development	11/3/2021	12:35 AM	9:06 PM
14	Shawn Nick Masancay	Flip Philippines, Inc.	Finances	11/3/2021	12:39 AM	9:21 PM
15	Jayden Cabrales	Flip Philippines, Inc.	Production	11/4/2021	7:14 AM	3:39 PM
16	Cyrus Dominguez	Flip Philippines, Inc.	Research & Development	11/4/2021	8:10 AM	4:14 PM
17	Anthony Macalintal	Flip Philippines, Inc.	Human Resources	11/4/2021	12:31 AM	9:15 PM

Create a new view named 'CodeNetEmployeeTimesheetView' from Employee Table (Employee ID and Employee Name), inner join to Company Table (Company Name that is 'CodeNet Philippines, Inc. '), left join to Department Table (Department Name), left join to Timesheet Table (Date, Time In, and Time Out)

```

30      /* Join statement for CodeNet Philippines, Inc.*/
31  •    CREATE VIEW CodeNetEmployeeTimesheetView AS
32      SELECT Employee.Employee_ID AS 'Employee ID',
33             Employee.Employee_Name AS 'Employee Name',
34             Company.Company_Name AS 'Company Name',
35             Department.Department_Name AS 'Department Name',
36             Timesheet.Timesheet_Date AS 'Date',
37             Timesheet.Time_In AS 'Time In',
38             Timesheet.Time_Out AS 'Time Out'
39  FROM Employee
40  INNER JOIN Company ON Employee.Company_ID=Company.Company_ID
41  LEFT JOIN Department ON Employee.Department_ID=Department.Department_ID
42  LEFT JOIN Timesheet ON Timesheet.Employee_ID=Employee.Employee_ID
43  WHERE Company.Company_Name='CodeNet Philippines, Inc.';

```

Employee ID	Employee Name	Company Name	Department Name	Date	Time In	Time Out
2	Fidel Villaroman	CodeNet Philippines, Inc.	Finances	11/1/2021	7:15 AM	3:33 PM
3	Bartoli Corporal	CodeNet Philippines, Inc.	Purchasing	11/2/2021	7:00 AM	3:33 PM
4	Francis Caballero	CodeNet Philippines, Inc.	Marketing	11/2/2021	7:02 AM	3:37 PM
6	Gage Austing Rana	CodeNet Philippines, Inc.	Finances	11/2/2021	8:01 AM	4:06 PM
7	Fred Elefante	CodeNet Philippines, Inc.	Human Resources	11/2/2021	8:15 AM	4:02 PM
8	Rico Dante Ilagan	CodeNet Philippines, Inc.	Purchasing	11/2/2021	8:19 AM	4:06 PM
19	Arnold Amurao	CodeNet Philippines, Inc.	Service Department	11/4/2021	12:33 AM	9:22 PM
20	Quinten Perez	CodeNet Philippines, Inc.	Service Department	11/4/2021	12:38 AM	9:20 PM

Create a new view named 'EatwellEmployeeTimesheetView' from Employee Table (Employee ID and Employee Name), inner join to Company Table (Company Name that is 'Eatwell Philippines, Inc. '), left join to Department Table (Department Name), left join to Timesheet Table (Date, Time In, and Time Out)


```

45  /* Join statement for Eatwell Philippines, Inc.*/
46  •  CREATE VIEW EatwellEmployeeTimesheetView AS
47  SELECT Employee.Employee_ID AS 'Employee ID',
48         Employee.Employee_Name AS 'Employee Name',
49         Company.Company_Name AS 'Company Name',
50         Department.Department_Name AS 'Department Name',
51         Timesheet.Timesheet_Date AS 'Date',
52         Timesheet.Time_In AS 'Time In',
53         Timesheet.Time_Out AS 'Time Out'
54  FROM Employee
55  INNER JOIN Company ON Employee.Company_ID=Company.Company_IDcodenetemployeetimesheetview
56  LEFT JOIN Department ON Employee.Department_ID=Department.Department_ID
57  LEFT JOIN Timesheet ON Timesheet.Employee_ID=Employee.Employee_ID
58  WHERE Company.Company_Name='Eatwell Philippines, Inc.';

```

Employee ID	Employee Name	Company Name	Department Name	Date	Time In	Time Out
9	Rudy Jabillo	Eatwell Philippines, Inc.	Administration	11/2/2021	12:30AM	9:10 PM
10	Teyo Monzon	Eatwell Philippines, Inc.	Research & Development	11/3/2021	7:05 AM	3:31 PM
13	Turi Gerard Macrohon	Eatwell Philippines, Inc.	Human Resrouces	11/3/2021	12:37 AM	9:38 PM
18	Timothy Emili Tugonon	Eatwell Philippines, Inc.	Marketing	11/4/2021	12:31AM	9:14 PM