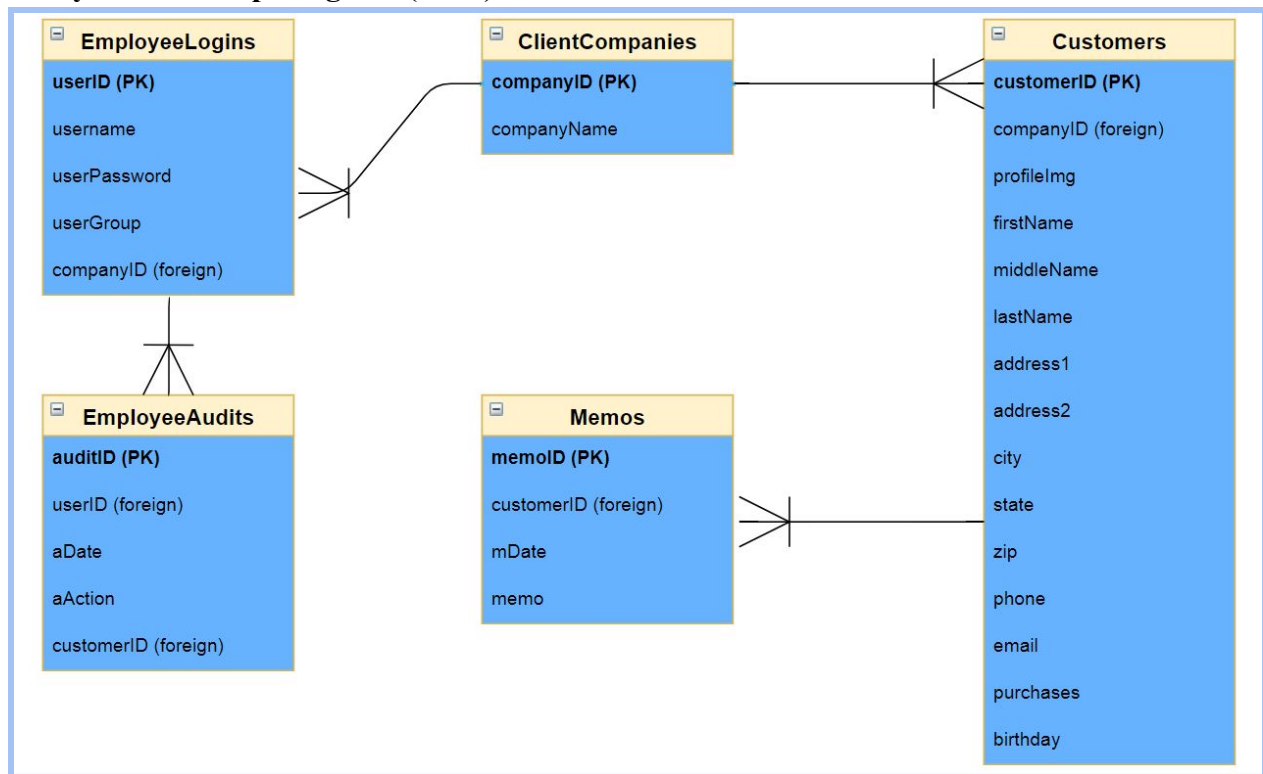


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SE266.05 Web Dev Using PHP & MySQL
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Web Dev Using PHP & MySQL W7 Final Project Table Design

Tables to be implemented include:

- **Table #1: Employee Login Credentials**
 - Each client company would receive login credentials to access the Customer Relationship Management System (CRMS) control panel.
 - They may assign two user groups for their workers: employees and managers.
- **Table #2: Client Company**
 - All customer data would be stored in one database, but each company can only see and interact with records pertaining to their company (accomplished via a company field associated with their login ID).
- **Table #3: Employee Audit Log**
 - Contains all of a company's employee audit records, including the date an action was executed, and the affected customers.
- **Table #4: Customers**
 - Contains a client company's recorded customer information.
- **Table #5: Memos**
 - Contains memos regarding customers.

Entity Relationship Diagram (ERD)

Tables	SQL Code
EmployeeLogins	CREATE TABLE IF NOT EXISTS EmployeeLogins (userID INT UNSIGNED AUTO_INCREMENT NOT NULL PRIMARY KEY, username NVARCHAR(255), userPassword NVARCHAR(255), userGroup NVARCHAR(255), companyID INT UNSIGNED, FOREIGN KEY (companyID) REFERENCES ClientCompanies(companyID) ON DELETE CASCADE) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci AUTO_INCREMENT=1;
ClientCompanies	CREATE TABLE IF NOT EXISTS ClientCompanies (companyID INT UNSIGNED AUTO_INCREMENT NOT NULL PRIMARY KEY, companyName NVARCHAR(255)) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci AUTO_INCREMENT=1;
EmployeeAudits	CREATE TABLE IF NOT EXISTS EmployeeAudits (auditID INT UNSIGNED AUTO_INCREMENT NOT)

	NULL PRIMARY KEY, userID INT UNSIGNED, aDate DATETIME, aAction NVARCHAR(255), customerID INT UNSIGNED, FOREIGN KEY (userID) REFERENCES EmployeeLogins(userID) ON DELETE CASCADE, FOREIGN KEY (customerID) REFERENCES Customers(customerID) ON DELETE CASCADE) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci AUTO_INCREMENT=1;
Customers	CREATE TABLE IF NOT EXISTS Customers (customerID INT UNSIGNED AUTO_INCREMENT NOT NULL PRIMARY KEY, companyID INT UNSIGNED, profileImg NVARCHAR(5000), firstName NVARCHAR(255), middleName NVARCHAR(255), lastName NVARCHAR(255), address1 NVARCHAR(255), address2 NVARCHAR(255), city NVARCHAR(255), state NVARCHAR(2), zip NVARCHAR(5), phone NVARCHAR(30), email NVARCHAR(255), purchases INT UNSIGNED, birthday DATETIME, FOREIGN KEY (companyID) REFERENCES ClientCompanies(companyID) ON DELETE CASCADE) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci AUTO_INCREMENT=1;
Memos	CREATE TABLE IF NOT EXISTS Memos (memoID INT UNSIGNED AUTO_INCREMENT NOT NULL PRIMARY KEY, customerID INT UNSIGNED, mDate DATETIME, memo NVARCHAR(5000), FOREIGN KEY (customerID) REFERENCES Customers(customerID) ON DELETE CASCADE) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci AUTO_INCREMENT=1;