**ENTITY IDENTIFICATION**

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| **ENTITY NAME** | **EMPLOYEE** |  |  |  |
| **ATTRIBUTES** | **DATA TYPE** | **SIZE** | **VALIDATION** | **DESCRIPTION** |
| EmployeeID | VarChar | 20 | Primary Key |  |
| FirstName | VarChar | 50 | Not null |  |
| LastName | VarChar | 50 | Not null |  |
| Title | VarChar | 50 | Not null |  |
| PhoneNumber | VarChar | 20 | Not null |  |
| Billing Rate | Decimal | (15,2) | Not null |  |

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| **ENTITY NAME** | **Project** |  |  |
| **ATTRIBUTES** | **DATA TYPE** | **VALIDATION** | **DESCRIPTION** |
| ProjectID | VarChar (20) | Primary Key |  |
| ProjectName | VarChar (100) | Not null |  |
| ProjectDescription | VarChar(200) | Not null |  |
| EmployeeID | VarChar (20) | Foreign Key |  |
| ClientID | VarChar (20) | Foreign Key |  |
| BillingEstimate | Decimal (15,2) | Not null |  |
| StartDate | Datetime | Not null |  |
| EndDate | Datetime | Not null |  |

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| **ENTITY NAME** | **Clients** |  |  |
| **ATTRIBUTES** | **DATA TYPE** | **VALIDATION** | **DESCRIPTION** |
| ClientID | Varchar (20) | Primary key |  |
| CompanyName | VarChar (50) | Not Null |  |
| Address | Varchar (200) | Not Null |  |
| City | Varchar (50) | Not Null |  |
| State | Varchar (50) | Not Null |  |
| Zip | Varchar (20) | Not Null |  |
| Country | VarChar (50) | Not Null |  |
| ContactPerson | VarChar (50) | Not Null |  |
| PhoneNumber | VarChar (20) | Not Null |  |

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| **ENTITY NAME** | **Time Cards** |  |  |
| **ATTRIBUTES** | **DATA TYPE** | **VALIDATION** | **DESCRIPTION** |
| TimeCardID | Varchar (20) | Primary key |  |
| EmployeeID | Varchar (20) | Foreign Key |  |
| DateIssued | Datetime | Not Null |  |
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| **ENTITY NAME** | **Work Codes** |  |  |
| **ATTRIBUTES** | **DATA TYPE** | **VALIDATION** | **DESCRIPTION** |
| WorkCodeID | Varchar (20) | Primary Key |  |
| Description | VarChar (100) | Not Null |  |
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| **ENTITY NAME** | **Time Card Expenses** |  |  |
| **ATTRIBUTES** | **DATA TYPE** | **VALIDATION** | **DESCRIPTION** |
| TimeCardExpense ID | Varchar (20) | Primary Key |  |
| TimeCardID | Varchar (20) | Foreign Key |  |
| ExpenseDate | Datetime | Not Null |  |
| ProjectID | Varchar (20) | Foreign Key |  |
| ExpenseDescription | Char (200) | Null |  |
| ExpenseAmount | Money | Not Null |  |
| ExpenseCodeID | Varchar (20) | Foreign Key |  |

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| **ENTITY NAME** | **Time Card Hours** |  |  |
| **ATTRIBUTES** | **DATA TYPE** | **VALIDATION** | **DESCRIPTION** |
| TimeCardID | Varchar (50) | Primary Key |  |
| TimeCardDetailID | Varchar (50) | Not null |  |
| DateWorked | Date | Not Null |  |
| ProjectID | Varchar (20) | Foreign Key |  |
| WorkDescription | VarChar(400) | Null |  |
| BillableHours | Decimal (7,2) | Not Null |  |
| TotalCost | Money | Not Null |  |
| WorkCodeID | Varchar(20) | Foreign Key |  |

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| **ENTITY NAME** | **Expense Codes** |  |  |
| **ATTRIBUTES** | **DATA TYPE** | **VALIDATION** | **DESCRIPTION** |
| ExpenseCodeID | Varchar (20) | Primary key |  |
| Description | VarChar (100) | Not Null |  |

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| **ENTITY NAME** | **PAYMENTS** |  |  |
| **ATTRIBUTES** | **DATA TYPE** | **VALIDATION** | **DESCRIPTION** |
| PaymentID | Varchar (20) | Primary key |  |
| ProjectID | Varchar (20) | Foreign key |  |
| PaymentAmount | Money | Not Null |  |
| PaymentDate | Datetime | Not Null |  |
| CreditCardNumber | Varchar (30) | Null |  |
| CardHoldersName | VarChar (50) | Null |  |
| CreditCardExpiryDate | Date | Null |  |
| PaymentMethodID | Varchar (20) | Foreign Key |  |
| PaymentDue |  |  |  |

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| **ENTITY NAME** | **Payment Methods** |  |  |
| **ATTRIBUTES** | **DATA TYPE** | **VALIDATION** | **DESCRIPTION** |
| PaymentMethod ID | Varchar (20) | Primary key |  |
| Description | VarChar (100) | Null |  |