

Entity (Table Name)	Field Name	Data Type
ASSIGNMENT	ASSIGN_ID	AutoNumber
ASSIGNMENT	EMP_ID	Number
ASSIGNMENT	ASSIGN_BEGIN_DATE	Date/Time
ASSIGNMENT	ASSIGN_END_DATE	Date/Time
ASSIGNMENT	TASK_ID	Number
BILL	BILL_ID	AutoNumber
BILL	PROJ_ID	Number
BILL	CUST_ID	Number
BILL	BILL_DATE	Date/Time
CUSTOMER	CUST_ID	AutoNumber
CUSTOMER	CUST_NAME	Short Text
CUSTOMER	CUST_PHONE	Short Text
CUSTOMER	REGION_ID	Number
EMPLOYEE_SKILL	EMP_ID	Number
EMPLOYEE_SKILL	SKILL_ID	Number
EMPLOYEE	EMP_ID	AutoNumber
EMPLOYEE	EMP_LNAME	Short Text
EMPLOYEE	EMP_FNAME	Short Text
EMPLOYEE	EMP_MI	Short Text
EMPLOYEE	REGION_ID	Number
EMPLOYEE	EMP_HIRE_DATE	Date/Time
PROJECT	PROJECT_ID	AutoNumber
PROJECT	CUST_ID	Number
PROJECT	PROJ_DESC	Short Text
PROJECT	PROJ_SIGN_DATE	Date/Time
PROJECT	PROJ_START_DATE_EST	Date/Time
PROJECT	PROJ_END_DATE_EST	Date/Time
PROJECT	PROJ_COST_EST	Currency
PROJECT	PROJ_START_DATE_ACT	Date/Time
PROJECT	PROJ_END_DATE_ACT	Date/Time
PROJECT	PROJ_COST_ACT	Currency
PROJECT	EMP_ID	Number
REGION	REGION_ID	AutoNumber
REGION	REGION_DESC	Short Text
SKILL	SKILL_ID	AutoNumber
SKILL	SKILL_DESC	Short Text
SKILL	SKILL_RATE	Currency
TASK	TASK_ID	AutoNumber
TASK	TASK_DESC	Short Text
TASK	TASK_START_DATE	Date/Time
TASK	TASK_END_DATE	Date/Time
TASK	PROJ_ID	Number
TASK_SKILL	TASK_ID	Number
TASK_SKILL	SKILL_ID	Number
TASK_SKILL	TASK_SKILL_QUANTITY	Number
WORK_LOG	ASSIGNMENT_ID	Number

WORK_LOG	BILL_ID	Number
WORK_LOG	WORK_LOG_DATE	Date/Time
WORK_LOG	WORK_LOG_HOURS	Number
WORK_LOG	WORK_LOG_ID	AutoNumber

Description	Primary Key	Foreign Key
ID number of the assignment (PK).	Primary Key	
ID number of the employee (FK).		Foreign Key
Beginning date of the assignment.		
Ending date of the assignment.		
ID number of the task (FK).		Foreign Key
ID number of the bill (PK).	Primary Key	
ID number of the project (FK).		Foreign Key
ID number of the customer (FK).		Foreign Key
Date of billing.		
ID number of the customer (PK).	Primary Key	
Name of customer.		
Customer phone number.		
Region where the customer resides (FK).		Foreign Key
ID number of the employee (FK).	Primary Key	Foreign Key
ID number of the skill (FK).	Primary Key	Foreign Key
Autogenerated number to identify each individual employee (PK).	Primary Key	
Last name of the employee.		
First name of the employee.		
Middle initial of the employee.		
Regional id number (FK)		Foreign Key
Date that employee was hired.		
ID number of the project (PK).	Primary Key	
ID number of the customer (FK).		Foreign Key
Description of the project.		
Date project was signed.		
Estimated project start date.		
Estimated project end date.		
Estimated project cost.		
Actual project start date.		
Actual project end date.		
Actual project cost.		
Employee ID of the manager assigned to the project (FK).		Foreign Key
ID number of the region (PK).	Primary Key	
Description of region.		
ID number of the skill (PK).	Primary Key	
Name of the skill.		
Amount paid per unit time.		
ID number of the task (PK).	Primary Key	
Description of the task.		
Start date of the task.		
End date of the task.		
ID number of the project (FK).		Foreign Key
ID number of the task (FK).	Primary Key	Foreign Key
ID number of the skill (FK).	Primary Key	Foreign Key
Number of people with the required skill needed for the task.		
ID number of the assignment (FK).		Foreign Key

ID number of the bill (FK).
Every Friday or the end of the month.
Number of hours worked.
ID number of the work log (PK).

Foreign Key

Primary Key

Required

Yes

Yes

No

No

Yes

Yes

Yes

Yes

No

Yes

No

No

Yes

Yes

Yes

Yes

No

No

No

Yes

No

Yes

Yes

No

No

No

No

No

No

No

No

Yes

Yes

No

Yes

No

No

Yes

No

No

No

Yes

Yes

Yes

No

Yes

Yes
No
No
Yes