**Data Dictionary and Table Description**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Type | Size | Null | Extra |  |
| id | int | 11 | No | Auto\_increment | Primary Key |
| name | varchar | 20 | No |  |  |
| address | varchar | 30 | No |  |  |
| phone | varchar | 15 | No |  |  |

Table Number: Company

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Type | Size | Null | Extra | Constraint |
| id | int | 11 | No | Auto\_increment | Primary Key |
| company\_id | int | 11 | No |  | Foreign Key |
| name | varchar | 20 | No |  |  |
| address | varchar | 30 | No |  |  |
| phone | varchar | 15 | No |  |  |

Table Number: Employee

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Type | Size | Null | Extra | Constraint |
| id | int | 11 | No | Auto\_increment | Primary Key |
| company\_id | int | 11 | No |  | Foreign Key |
| name | varchar | 20 | No |  |  |
| address | varchar | 30 | No |  |  |
| phone | varchar | 15 | No |  |  |

Table Number: Team\_leader

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Type | Size | Null | Extra | Constraint |
| id | int | 11 | No | Auto\_increment | Primary Key |
| teamleader\_id | int | 11 | No |  | Foreign Key |
| project\_id | int | 11 | No |  | Foreign Key |
| employee\_id | int | 11 | No |  | Foreign Key |

Table Number: Employee\_Project

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Type | Size | Null | Extra | Constraint |
| id | int | 11 | No | Auto\_increment | Primary Key |
| title | varchar | 500 | No |  |  |
| body | varchar | 5000 | No |  |  |
| sender | int | 11 | No |  | Foreign Key |
| project\_id | int | 11 |  |  | Foreign Key |

Table Number: Note

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Type | Size | Null | Extra | Constraint |
| id | int | 11 | No | Auto\_increment | Primary Key |
| company\_id | int | 11 | No |  | Foreign Key |
| name | varchar | 100 | No |  |  |
| start\_date | timestamp |  | No |  |  |
| finish\_date | timestamp |  | No |  |  |
| actual\_finish\_date | timestamp |  | No |  |  |
| url | varchar | 100 | No |  |  |
| completion | int | 11 | No |  |  |
| status | varchar | 10 | No |  |  |

Table Number: Project

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Type | Size | Null | Extra | Constraint |
| id | int | 11 | No | Auto\_increment | Primary Key |
| project\_id | int | 11 | No |  | Foreign Key |
| company\_id | int | 11 | No |  | Foreign Key |
| teamleader\_id | int | 11 | No |  | Foreign Key |

Table Number: Project\_link

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Type | Size | Null | Extra | Constraint |
| id | int | 11 | No | Auto\_increment | Primary Key |
| company\_id | int | 11 | No |  | Foreign Key |
| task | varchar | 5000 | No |  |  |
| generator | int | 11 | No |  | Foreign Key |
| project\_id | int | 11 | No |  | Foreign Key |
| assign | int | 11 | No |  | Foreign Key |
| status | varchar | 15 | No |  |  |

Table Number: Task

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Type | Size | Null | Extra | Constraint |
| id | int | 11 | No | Auto\_increment | Primary Key |
| company\_id | int | 11 | No |  | Foreign Key |
| problem | varchar | 5000 | No |  |  |
| issuer | int | 11 | No |  | Foreign Key |
| project\_id | int | 11 | No |  | Foreign Key |
| status | varchar | 20 | No |  |  |

Table Number: Ticket

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Type | Size | Null | Extra | Constraint |
| id | int | 11 | No | Auto\_increment | Primary Key |
| project\_id | int | 11 | No |  | Foreign Key |
| ticket\_id | int | 5000 | No |  | Foreign Key |
| solver | int | 11 | No |  | Foreign Key |
| solution | varchar | 11 | No |  |  |

Table Number: Ticket\_employee

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column | Type | Size | Null | Extra | Constraint |
| id | int | 11 | No | Auto\_increment | Primary Key |
| username | varchar | 15 | No | MD5 encryption |  |
| password | varchar | 32 | No |  |  |
| category | varchar | 10 | No |  |  |

Table Number: User