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| **Project table** | | | | | | | | | |
| **No** | **Field name** | **Type** | **Max Length** | | **Null** | **Unique** | **P/F Key** | **Description** | |
| 1 | ProjectID | CHAR | 10 | |  |  | PK | PK – ID of project | |
| 2 | Type | NVARCHAR | 20 | |  |  |  | Type of project | |
| 3 | Code | NVARCHAR | 20 | |  |  |  | Project code | |
| 4 | Name | NVARCHAR | 100 | |  |  |  | Name of project | | of requirement | |  | |  | |  |  |
| 5 | Status | NVARCHAR | 10 | |  |  |  | Status of project | |  | |  | |  | |  |  |
| 6 | DirectCustomer | NVARCHAR | 20 | | X |  |  | Direct customer of project | |  | |  | |  | |  |  |
| 7 | EndCustomer | NVARCHAR | 20 | | X |  |  | End customer of project | |  | |  | |  | |  |  |
| 8 | BusinessDomain | NVARCHAR | 20 | | X |  |  | Business domain of project | |  | |  | |  | |  |  |
| 9 | PlannedStartDate | DATETIME |  | |  |  |  | Planned start date of project | |  | |  | |  | |  |  |
| 10 | PlannedEndDate | DATETIME |  | |  |  |  | Planned end date of project | |  | |  | |  | |  |  |
| 11 | ScopeAndObjective | NVARCHAR | Integer.MAX\_VALUE | | X |  |  | Scope and objective of project | |  | |  | |  | |  |  |
| 12 | ProjectSize | INTEGER |  | | X |  |  | Size of project | |  | |  | |  | |  |  |
| 13 | ProjectEvaluation | INTEGER |  | | X |  |  | Project Evaluation | |  | |  | |  | |  |  |
| 14 | ModuleID | CHAR | 10 | |  |  | FK | FK ModuleID of project | |  | |  | |  | |  |  |
| 15 | CostID | CHAR | 10 | |  |  | FK | FK CostID of project | |  | |  | |  | |  |  |
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| **Stage table** | | | | | | | | | |
| **No** | **Field name** | **Type** | **Max Length** | | **Null** | **Unique** | **P/F Key** | **Description** | |
| 1 | StageID | CHAR | 10 | |  |  | PK | PK – ID of stage | |
| 2 | StageName | NVARCHAR | 20 | |  |  |  | Name of stage | |
| 3 | StandardStage | NVARCHAR | 20 | |  |  |  | Standard Stage | |
| 4 | PlannedEndDate | DATETIME |  | |  |  |  | Planned end date of stage | |
| 5 | RePlannedEndDate | DATETIME |  | | X |  |  | Re planned end date of stage | |
| 6 | ActualEndDate | DATETIME |  | | X |  |  | Actual end date of stage | |
| 7 | Description | NVARCHAR | Integer.MAX\_VALUE | | X |  |  | Description of stage | |
| 8 | ProjectID | CHAR | 10 | |  |  | FK | FK ProjectID of stage | |
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| **Product table** | | | | | | | | | |
| **No** | **Field name** | **Type** | **Max Length** | | **Null** | **Unique** | **P/F Key** | **Description** | |
| 1 | ProductID | CHAR | 10 | |  |  | PK | PK – ID of product | |
| 2 | WorkProduct | NVARCHAR | 20 | |  |  |  | Work of product | |
| 3 | Name | NVARCHAR | 20 | |  |  |  | Name of product | |
| 4 | PlannedSizeUnit | NVARCHAR | 20 | |  |  |  | Planned size unit of product | | of requirement | |  | |  | |  |  |
| 5 | PlannedSize | INTEGER |  | |  |  |  | Planned size of product | |  | |  | |  | |  |  |
| 6 | RePlannedSize | INTEGER |  | | X |  |  | Re planned size of product | |  | |  | |  | |  |  |
| 7 | ActualSizeUnit | NVARCHAR | 20 | | X |  |  | Actual size unit of product | |  | |  | |  | |  |  |
| 8 | ActualSize | INTEGER |  | | X |  |  | Actual size of product | |  | |  | |  | |  |  |
| 9 | Description | NVARCHAR | Integer.MAX\_VALUE | | X |  |  | Description of product | |  | |  | |  | |  |  |
| 10 | ProjectID | CHAR | 10 | |  |  | FK | FK ProjectID of product | |  | |  | |  | |  |  |
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| **Deliverable table** | | | | | | | | | |
| **No** | **Field name** | **Type** | **Max Length** | | **Null** | **Unique** | **P/F Key** | **Description** | |
| 1 | ProductID | CHAR | 10 | |  |  | PK/FK | PK – ID of deliverable | |
| 2 | FirstCommittedDate | DATETIME |  | |  |  |  | First committed date of deliverable | |
| 3 | LastCommittedDate | DATETIME |  | | X |  |  | Last committed date of deliverable | |
| 4 | ActualDate | DATETIME |  | | X |  |  | Actual date of deliverable | | of requirement | |  | |  | |  |  |
| 5 | Status | NVARCHAR | 20 | |  |  |  | Status of deliverable | |  | |  | |  | |  |  |
| 6 | Note | NVARCHAR | Integer.MAX\_VALUE | | X |  |  | Note of deliverable | |  | |  | |  | |  |  |
| 7 | ProjectID | CHAR | 10 | |  |  | FK | FK ProjectID of deliverable | |  | |  | |  | |  |  |
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| **Risk table** | | | | | | | |
| **No** | **Field name** | **Type** | **Max Length** | **Null** | **Unique** | **P/F Key** | **Description** |
| 1 | RiskID | CHAR | 10 |  |  | PK | PK – ID of risk |
| 2 | RiskSource | NVARCHAR | 50 |  |  |  | Source of risk |
| 3 | Description | NVARCHAR | Integer.MAX\_VALUE |  |  |  | Description of risk |
| 4 | Probability | INTEGER |  |  |  |  | Probability of risk | of requirement |  |  |  |  |
| 5 | EstimatedImpact | NVARCHAR | 10 |  |  |  | Estimated impact of risk |  |  |  |  |  |
| 6 | TotalImpact | INTEGER |  | X |  |  | Total Impact of risk |  |  |  |  |  |
| 7 | RiskPriority | INTEGER |  |  |  |  | Priority of risk |  |  |  |  |  |
| 8 | Trigger | NVARCHAR | Integer.MAX\_VALUE | X |  |  | Trigger of risk |  |  |  |  |  |
| 9 | ProjectID | CHAR | 10 |  |  | FK | FK ProjectID of risk |  |  |  |  |  |

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| **Issue table** | | | | | | | |
| **No** | **Field name** | **Type** | **Max Length** | **Null** | **Unique** | **P/F Key** | **Description** |
| 1 | IssueID | CHAR | 10 |  |  | PK | PK – ID of issue |
| 2 | Description | NVARCHAR | 20 |  |  |  | Description of issue |
| 3 | Priority | NVARCHAR | 20 |  |  |  | Priority of issue |
| 4 | Status | NVARCHAR | 10 |  |  |  | Status of issue | of requirement |  |  |  |  |
| 5 | Type | NVARCHAR | 10 |  |  |  | Type of issue |  |  |  |  |  |
| 6 | ProcessRelated | NVARCHAR | 20 |  |  |  | Process related to issue |  |  |  |  |  |
| 7 | CreatedDate | NVARCHAR | 20 |  |  |  | Create date of issue |  |  |  |  |  |
| 8 | DueDate | NVARCHAR | 20 |  |  |  | Due date of issue |  |  |  |  |  |
| 9 | ClosedDate | DATETIME |  | X |  |  | Closed date of issue |  |  |  |  |  |
| 10 | CommentSolution | DATETIME |  | X |  |  | Comment solution for issue |  |  |  |  |  |
| 11 | Reference | NVARCHAR | Integer.MAX\_VALUE | X |  |  | Reference of issue |  |  |  |  |  |
| 12 | ProjectID | CHAR | 10 |  |  | FK | FK ProjectID of issue |  |  |  |  |  |

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| **ChangeRequest table** | | | | | | | |
| **No** | **Field name** | **Type** | **Max Length** | **Null** | **Unique** | **P/F Key** | **Description** |
| 1 | ChangeRequestID | CHAR | 10 |  |  | PK | PK – ID of change request |
| 2 | Name | NVARCHAR | 20 |  |  |  | Name of change request |
| 3 | Description | NVARCHAR | Integer.MAX\_VALUE |  |  |  | Description of change request |
| 4 | Status | NVARCHAR | 10 |  |  |  | Status of change request | of requirement |  |  |  |  |
| 5 | ProjectID | CHAR | 10 |  |  | FK | FK ProjectID of issue |  |  |  |  |  |

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| **Module table** | | | | | | | |
| **No** | **Field name** | **Type** | **Max Length** | **Null** | **Unique** | **P/F Key** | **Description** |
| 1 | ModuleID | CHAR | 10 |  |  | PK | PK – ID of Module |
| 2 | TimeSheet | BOOLEAN |  |  |  |  | Usage of time sheet |
| 3 | ProjectPlanner | BOOLEAN |  |  |  |  | Usage of project planner |
| 4 | DefectManagement | BOOLEAN |  |  |  |  | Usage of defect management | of requirement |  |  |  |  |
| 5 | Report | BOOLEAN |  |  |  |  | Usage of report |  |  |  |  |  |
| 6 | RequirementManagement | BOOLEAN |  |  |  |  | Usage of requirement management |  |  |  |  |  |
| 7 | RiskIssueManagement | BOOLEAN |  |  |  |  | Usage of risk issue management |  |  |  |  |  |
| 8 | ChangeRequestManagement | BOOLEAN |  |  |  |  | Usage of change request management |  |  |  |  |  |
| 9 | CostManagement | BOOLEAN |  |  |  |  | Usage of cost management |  |  |  |  |  |

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| **Owner table** | | | | | | | |
| **No** | **Field name** | **Type** | **Max Length** | **Null** | **Unique** | **P/F Key** | **Description** |
| 1 | IssueID | CHAR | 10 |  |  | PK/FK | PK/FK – ID of Owner From IssueID of Issue table |
| 2 | UserID | CHAR | 10 |  |  | FK | FK UserID of Owner |

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| **AssignTo table** | | | | | | | |
| **No** | **Field name** | **Type** | **Max Length** | **Null** | **Unique** | **P/F Key** | **Description** |
| 1 | IssueID | CHAR | 10 |  |  | PK/FK | PK/FK – ID of AssignTo From IssueID of Issue table |
| 2 | UserID | CHAR | 10 |  |  | FK | FK UserID of AssignTo |

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| **User table** | | | | | | | |
| **No** | **Field name** | **Type** | **Max Length** | **Null** | **Unique** | **P/F Key** | **Description** |
| 1 | UserID | CHAR | 10 |  |  | PK | PK – ID of user |
| 2 | AccountID | NVARCHAR | 20 |  | X |  | AccountID of user |
| 3 | Password | NVARCHAR | 20 |  |  |  | Password of user |
| 4 | LastName | NVARCHAR | 10 |  |  |  | Last name of user | of requirement |  |  |  |  |
| 5 | FirstName | NVARCHAR | 20 |  |  |  | First name of user |  |  |  |  |  |
| 6 | PhoneNumber | NVARCHAR | 20 | X |  |  | Phone number of user |  |  |  |  |  |
| 7 | Organization | NVARCHAR | 20 | X |  |  | Organization of user |  |  |  |  |  |
| 8 | Email | NVARCHAR | 20 | X |  |  | Email of user |  |  |  |  |  |

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| **Assigment table** | | | | | | | |
| **No** | **Field name** | **Type** | **Max Length** | **Null** | **Unique** | **P/F Key** | **Description** |
| 1 | AssignmentID | CHAR | 10 |  |  | PK | PK – ID of assignment |
| 2 | UserID | CHAR | 10 |  |  | FK | FK UserID of assignment |
| 3 | StartDate | DATETIME |  |  |  |  | Start date of assignment |
| 4 | EndDate | DATETIME |  | X |  |  | End date of assignment | of requirement |  |  |  |  |
| 5 | Role | NVARCHAR | 20 |  |  |  | Role of user in this assignment |  |  |  |  |  |
| 6 | ProjectID | CHAR | 10 |  |  | FK | FK ProjectID of assignment |  |  |  |  |  |

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| **Cost table** | | | | | | | |
| **No** | **Field name** | **Type** | **Max Length** | **Null** | **Unique** | **P/F Key** | **Description** |
| 1 | CostID | CHAR | 10 |  |  | PK | PK – ID of cost |
| 2 | Budget | INTEGER |  |  |  |  | Budget of project |
| 3 | Buffer | INTEGER |  |  |  |  | Buffer of project |