**Data Dictionary**

1. **Team**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Member Name** | **Description** | **Type** | **Sample Date** | **Default Value** | **Mandatory?** | **Unique?** | **PK** | **FK** |
| teamId | Team ID | int | 1 | Auto-increase | Y | Y | Y |  |
| teamIdentifier | Team idenftifier  (stream+ section + semester+year+  \_team#) | varchar(16) | prj566ASum2011\_1 |  | Y | Y |  |  |
| teamEmail | Group team e-mail | varchar(60) | asemionova1@learn.senecac.on.ca;mjschraz@learn.senecac.on.ca |  | Y |  |  |  |
| status | Active or inactive | boolean | true | true | Y |  |  |  |
| teamName | Team name | varchar(20) | BEAM Solutions |  | Y |  |  |  |
| teamLogo | Team logo image | blob | N/A |  |  |  |  |  |
| constraints | Team constraints | varchar(100) | Java, MySql |  | Y |  |  |  |
| projectID | Project the team was matched with | int | 1 | 0 |  |  |  | Y |
| userId | System user id | int | 1 |  | Y |  |  | Y |

1. **Project**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Member Name** | **Description** | **Type** | **Sample Date** | **Default Value** | **Mandatory?** | **Unique?** | **PK** | **FK** |
| projectId | Project ID | int | 1 | Auto-increase | Y | Y | Y |  |
| prjIdentifier | Project idenftifier  (stream+semester+year) | varchar(13) | prj566Sum2011 |  | Y |  |  |  |
| status | Pending, approved, available, proceeded, matched or past | char(2) | PE, AP, AV, PR, MA, or PA | PE | Y |  |  |  |
| prjName | Project name | varchar(20) | Gemini |  |  |  |  |  |
| description | Project description | varchar(500) | PRJ566 project registration |  | Y |  |  |  |
| prjConstraints | Constraints for the project | varchar(250) | Java, Oracle |  | Y |  |  |  |
| agreementDate | When legal agreement was reviewed | datetime | July19, 2011 | sysdate | Y |  |  |  |
| companyId | Company Id that registered project | int | 1 |  | Y |  |  | Y |
| teamId | Team the project was matched with | int | 1 |  |  |  |  | Y |

1. **TeamMember**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Member Name** | **Description** | **Type** | **Sample Date** | **Default Value** | **Mandatory?** | **Unique?** | **PK** | **FK** |
| memberId | Team member ID | int | 1 | Auto-increase | Y | Y | Y |  |
| firstName | Member first name | varchar(15) | Anastasia |  |  |  |  |  |
| lastName | Member last name | varchar(15) | Semionova |  |  |  |  |  |
| email | Member e-mail | varchar(25) | asemionova1@learn.senecac.on.ca |  | Y |  |  |  |
| image | Member picture | blob | N/A |  |  |  |  |  |
| description | Member short story | varchar(250) | N/A |  |  |  |  |  |
| role | Is this member a team-leader? | boolean | false | false | Y |  |  |  |
| teamId | The member of what team | int | 1 |  | Y |  |  | Y |

1. **TeamProjectRanking**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Member Name** | **Description** | **Type** | **Sample Date** | **Default Value** | **Mandatory?** | **Unique?** | **PK** | **FK** |
| teamId | Team ID | int | 1 |  | Y | Y | Y | Y |
| projectId | Project Id | int | 1 |  | Y | Y | Y | Y |
| whoRanked | Who was doing ranking (team or company ) | char(1) | T or C |  | Y | Y | Y |  |
| ranking | RankinNumber | int | 2 |  | Y |  |  |  |

1. **ProjectFile**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Member Name** | **Description** | **Type** | **Sample Date** | **Default Value** | **Mandatory?** | **Unique?** | **PK** | **FK** |
| fileId | File ID | int | 1 | Auto-increase | Y | Y | Y |  |
| fileName | File name | varchar(16) | Constr.txt |  |  |  |  |  |
| fileDescription | File description | varchar(50) | File with constraints |  |  |  |  |  |
| ProjectId | What project it belongs to | int | 1 |  | Y |  |  | Y |

1. **Company**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Member Name** | **Description** | **Type** | **Sample Date** | **Default Value** | **Mandatory?** | **Unique?** | **PK** | **FK** |
| companyId | company ID | int | 1 | Auto-increase | Y | Y | Y |  |
| companyName | Company Name | varchar(25) | Seneca College |  | Y |  |  |  |
| companyPhone | Company phone number | varchar(12) | 416-156-1122 |  |  |  |  |  |
| status | Was company approved | boolean | false | N | Y |  |  |  |
| repID | Company representative ID | int | 1 |  |  |  |  | Y |

1. **Comment**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Member Name** | **Description** | **Type** | **Sample Date** | **Default Value** | **Mandatory?** | **Unique?** | **PK** | **FK** |
| commentId | Comment ID | int | 1 | Auto-increase | Y | Y | Y |  |
| status | Was comment approved? | boolean | false | false | Y |  |  |  |
| comment | Comment story | Varchar(250) | N/A |  | Y |  |  |  |
| projectId | What project the comment was left for | int | 1 |  | Y |  |  | Y |

1. **Milestone**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Member Name** | **Description** | **Type** | **Sample Date** | **Default Value** | **Mandatory?** | **Unique?** | **PK** | **FK** |
| milestoneId | Milestone ID | int | 1 | Auto-increase | Y | Y | Y |  |
| milestone | Milestone description | varchar(125) | N/A |  | Y |  |  |  |
| projectId | What project this milestone belongs to | int | 1 |  | Y |  |  | Y |
| status | Milestone status: not started, in progress, complete | char(2) | NS, IP or CO | NS | Y |  |  |  |
| dueDate | When should be completed | datetime | July 19, 2011 | sysdate() | Y |  |  |  |

1. **User**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Member Name** | **Description** | **Type** | **Sample Date** | **Default Value** | **Mandatory?** | **Unique?** | **PK** | **FK** |
| userId | System user ID | int | 1 | Auto-increase | Y | Y | Y |  |
| userFName | User first name | varchar(16) | Anastasia |  | Y |  |  |  |
| userLName | User last name | varchar(16) | Semionova |  | Y |  |  |  |
| userEmail | User e-mail | varchar(30) | asemionova1@learn.senecac.on.ca |  | Y |  |  |  |
| userIdentifier | Unique user identifier (stream+section+semester+year) | varchar(15) | PRJ566Sum2011 |  | Y |  |  |  |
| userRole | Is this user a faculty, instructor, admin, team-lead, or company rep | char(2) | FA, IN, AD, TL or CR |  | Y |  |  |  |
| password | User password | varchar(40) | N/A | Sum2011 | Y |  |  |  |
| status | Is account active | boolean | true | true | Y |  |  |  |