Field Definition grid for Attributes of Entity ‘UserTable’

**Entity name**: UserTable Description

**Synonyms**: Relationship Link Phrases

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Description** | **Synonym(s)** | **Data type** | **Size**  **(\*=max)** | **Possible data values** | **Optional?** | **Validation rules** | **Key?** |
| UserID | Primary key |  | Integer |  | Any | No |  | PK |
| Username |  |  | Varchar | 32 | Any | No | Cannot include spaces |  |
| Email |  |  | Varchar | 64 | Any | No | Must follow email formatting |  |
| Pword |  |  | Varchar | 64 | Any | No |  |  |

Field Definition grid for Attributes of Entity ‘TrailTable’

**Entity name**: TrailTable Description

**Synonyms**: None Relationship Link Phrases: TagTrail

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Description** | **Synonym(s)** | **Data type** | **Size**  **(\*=max)** | **Possible data values** | **Optional?** | **Validation rules** | **Key?** |
| TrailID | Primary Key |  | Integer |  | Any | No |  | PK |
| NameVal |  |  | Varchar | 60 | Any | No |  |  |
| Difficulty |  |  | Varchar | 10 | “Easy”, “Moderate”, “Hard” | No | Must be “Easy”, “Moderate” or “Hard” |  |
| Rating |  |  | Float | 2 | 0.0 to 5.0 | Yes |  |  |
| LengthVal |  |  | Float |  | Any | Yes |  |  |
| ElevationGain |  |  | Integer |  | Any | Yes |  |  |
| RouteType |  |  | Varchar | 13 | “Loop” or “Out and Back” | No | Must be “Loop” or “Out and Back” |  |
| DescriptionVal |  |  | Varchar |  | Any | Yes |  |  |
| EstimatedTime |  |  | Time |  | Any | Yes |  |  |
| \*LocationID | Foreign from Location |  | Integer |  | Any | No |  | FK |
| \*UserID | Foreign from User |  | Integer |  | Any | No |  | FK |

Field Definition grid for Attributes of Entity ‘TagTrailTable’

**Entity name**: TagTrailTable Description

**Synonyms**: None Relationship Link Phrases

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Description** | **Synonym(s)** | **Data type** | **Size**  **(\*=max)** | **Possible data values** | **Optional?** | **Validation rules** | **Key?** |
| TrailID | Foreign from Trail |  | Integer |  | Any | No |  | PK |
| TagID | Foreign from Tag |  | Integer |  | Any | No |  | PK |

Field Definition grid for Attributes of Entity ‘TagTable’

**Entity name**: TagTable Description

**Synonyms**: None Relationship Link Phrases: TagTrail

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Description** | **Synonym(s)** | **Data type** | **Size**  **(\*=max)** | **Possible data values** | **Optional?** | **Validation rules** | **Key?** |
| TagID | Primary Key |  | Integer |  | Any | No |  | PK |
| TagName |  |  | Varchar | 20 | Any | No |  |  |

Field Definition grid for Attributes of Entity ‘LocationTable’

**Entity name**: LocationTable Description

**Synonyms**: None Relationship Link Phrases:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Description** | **Synonym(s)** | **Data type** | **Size**  **(\*=max)** | **Possible data values** | **Optional?** | **Validation rules** | **Key?** |
| LocationID | Primary Key |  | Integer |  |  | No |  | PK |
| Country |  |  | Varchar | 60 |  | No | Must use Title Case |  |
| Region |  |  | Varchar | 60 |  | No | Must use Title Case |  |
| Area |  |  | Varchar | 60 |  | No | Must use Title Case |  |

Field Definition grid for Attributes of Entity ‘TrailPointTable’

**Entity name**: TrailPointTable Description

**Synonyms**: Relationship Link Phrases

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Description** | **Synonym(s)** | **Data type** | **Size**  **(\*=max)** | **Possible data values** | **Optional?** | **Validation rules** | **Key?** |
| TPointID | Primary Key |  | Integer |  | Any | No |  | PK |
| TPointLat | Longitude |  | Float | 8 | -90.000000 to 90.000000 | No |  |  |
| TPointLong | Latitude |  | Float | 9 | -180.000000 to 180.000000 | No |  |  |
| TrailID | Foreign from Trail |  | Integer |  | Any | No |  | FK |

Field Definition grid for Attributes of Entity ‘LogTable’

**Entity name**: LogTable Description

**Synonyms**: Relationship Link Phrases

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Description** | **Synonym(s)** | **Data type** | **Size**  **(\*=max)** | **Possible data values** | **Optional?** | **Validation rules** | **Key?** |
| TrailID | Foreign key from TrailTable |  | Integer |  | Any | No |  | PK |
| UserID | Foreign key from UserTable |  | Integer |  | Any | No |  | PK |
| Timestmp |  |  | Date+Time |  | Any | No |  |  |