

## Data dictionary

Database Dictionary is prepared by a Systems Architect or a Lead Developer. Database Dictionary is prepared once the project scope is finalized. Database dictionary is used by developers as well as Testers.

## Database Dictionary Template

Tbl\_name

Attribute Name	Data Type	Field length	Key	description
Emp_id	integer	5	pk	Identifiers of individual employee
Emp_name	Varchar	20		Employee name

Attribute Name – Name of field in table

Data type – data type of particular field

Field Length- Length of particular field that

Key - Relationship between two table define by key

Description- Purpose of each field what is use of that data.

## Database Conventions

Database conventions – Please view in outline mode

### *Table Naming*

All tables must start with lowercase tbl and use a TitleCase style

*Thus allowing for programmers to distinguish between triggers, views, etc*

Use singular naming convention

Examples of Table Names

#### **Correct**

***tblPerson, tblInformation***

#### **Wrong**

***tblPeople, tblCourses***

### *Field Naming*

Must use

*TitleCase style*

*Singular naming convention*

*Be named exactly as the table they reference*

***For example, the primary key of the tblCourse would be pkCourseID,***

***A foreign key to a table named tblStudent would be fkStudentID***

Declaring primary keys, and foreign keys

### *Primary keys*

***When declaring a primary key the field will start with a lowercase “pk”***

***Must end with ID, and be capitalized***

*Foreign keys*

***When declaring a primary key the field will start with a lowercase “fk”***

***Must end with ID, and be capitalized***

*Examples of field names with primary keys, and foreign keys*

***Correct***

***pkUserID***

***pkStatusTypeID***

***fkClientID***

***fkProductTypeID***

***Wrong***

***PKInventoriesID***

***FKClientID***

*Examples of field names without primary keys, and foreign keys*

***Correct***

***TitleDescription***

***TaxPayerName***

***DateCreated***

*Declaring reference keys*

***Reference keys***

Reference keys reference to a primary key, when creating a reference key do not build the name of the field using the table name.

***When declaring a reference key the field will start with a lower case “rk”***

***No ID will be used at the end***

***Example***

***rkLastQuestion***

***Other Criteria***

All objects(anything in the database, tables, fields, views, except comments) in a database must be singular

All objects(anything in the database, tables, fields, views, except comments) in a database must have a description/comment in ENGLISH for what it is used for, stands for, keys to, etc

Correct Title Case for database on common words

*ZipCode*

*HomeAddress*