**DICCIONARIO DE DATOS**

# CUADRO DE ENTIDADES O TABLAS DE LA BASE DE DATOS

|  |  |  |  |
| --- | --- | --- | --- |
| **TABLA** | **NOMBRE DE LA TABLA** | **DESCRIPCIÓN DE LA TABLA** | **NOMENCLATURA** |
| 1 | |  | | --- | | Usuarios |  |  | | --- | |  | | Almacena la información de los usuarios | USR |
| 2 | |  | | --- | | Cursos |  |  | | --- | |  | | Información de los cursos disponibles | CRS |
| 3 | |  | | --- | | EstudiantesCursos | | Relación entre estudiantes y cursos | EST\_CRS |
| 4 | |  | | --- | | Materiales |  |  | | --- | |  | | Almacena los materiales de los cursos | MAT |
| 5 | |  | | --- | | Evaluaciones | | Contiene las evaluaciones de los cursos | EVA |
| 6 | |  | | --- | | Preguntas |  |  | | --- | |  | | Almacena las preguntas de las evaluaciones | PRG |
| 7 | |  | | --- | | Respuestas |  |  | | --- | |  | | Almacena las respuestas de las preguntas | RSP |
| 8 | |  | | --- | | Notas |  |  | | --- | |  | | Contiene las calificaciones de los estudiantes | NOT |
| 9 | |  | | --- | | Asistencias |  |  | | --- | |  | | Registra la asistencia de los estudiantes | AST |

# TABLA DE ATRIBUTOS DE LAS ENTIDADES DE LA BASE DE DATOS

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Tabla o Entidad** | **Atributo o Campo** | **Tipo de dato** | **Longitud** | **Llave Primaria** | **Descripción** | **Tabla o entidad foránea** |
| **Usuarios** | **Id** | **INT** | **11** | **PK** | **Identificador único del usuario** |  |
|  | |  | | --- | | Nombre |  |  | | --- | |  |  |  | | --- | |  | | VARCHAR | 100 |  | Nombre del usuario |  |
|  | |  | | --- | | Apellido |  |  | | --- | |  |  |  | | --- | |  | | VARCHAR | 100 |  | Apellido del usuario |  |
|  | |  | | --- | | Email |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | VARCHAR | 150 |  | Correo electrónico del usuario |  |
|  | |  | | --- | | Contraseña |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | LONGTEXT |  |  | Contraseña encriptada del usuario |  |
|  | |  | | --- | | Rol |  |  | | --- | |  |  |  | | --- | |  | | LONGTEXT |  |  | Rol del usuario en el sistema |  |
| **Cursos** | **Id** | **INT** | **11** | **PK** | |  | | --- | | **Identificador único del curso** |  |  | | --- | |  | |  |
|  | |  | | --- | | Nombre |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | LONGTEXT |  |  | Nombre del curso |  |
|  | |  | | --- | | Descripción |  |  | | --- | |  |  |  | | --- | |  | | LONGTEXT |  |  | Descripción del curso |  |
|  | |  |  |  |  |  | | --- | --- | --- | --- | --- | | DocenteId |  |  | Referencia al docente del curso | Usuarios (USR) | | INT | 11 | FK | |  | | --- | | Referencia al docente del curso |  |  | | --- | |  | | Usuarios |
| **Estudiantes Cursos** | **Id** | **INT** | **11** | **PK** | |  | | --- | | **Identificador único de la inscripción** |  |  | | --- | |  | |  |
|  | |  | | --- | | EstudianteId |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | INT | 11 | |  | | --- | | FK | | Identificador del estudiante | Usuarios |
|  | |  | | --- | | CursoId |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | INT | 11 | FK | Identificador del curso | Cursos |
| **Materiales** | **Id** | **INT** | **11** | **PK** | |  | | --- | | **Identificador único del material** |  |  | | --- | |  | |  |
|  | |  | | --- | | Titulo |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | LONGTEXT |  |  | Título del material |  |
|  | |  | | --- | | Descripción |  |  | | --- | |  |  |  | | --- | |  | | LONGTEXT |  |  | Descripción del material |  |
|  | ArchivoUrl | LONGTEXT |  |  | |  | | --- | | Enlace al archivo del material |  |  | | --- | |  | |  |
|  | |  | | --- | | CursoId |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | INT | 11 | FK | Identificador del curso | Cursos |
| **Evaluaciones** | **Id** | **INT** | **11** | **PK** | **Identificador único de la evaluación** |  |
|  | |  | | --- | | Titulo |  |  | | --- | |  |  |  | | --- | |  | | LONGTEXT |  |  | Título de la evaluación |  |
|  | |  | | --- | | Descripcion |  |  | | --- | |  |  |  | | --- | |  | | LONGTEXT |  |  | Descripción de la evaluación |  |
|  | |  | | --- | | CursoId |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | INT | 11 | |  | | --- | | FK | | Identificador del curso | Cursos |
| **Preguntas** | **Id** | **INT** | **11** | **PK** | **Identificador único de la pregunta** |  |
|  | |  | | --- | | Texto |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | LONGTEXT |  |  | Contenido de la pregunta |  |
|  | |  | | --- | | EvaluacionId |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | INT | 11 | FK | Identificador de la evaluación | Evaluaciones |
| **Respuestas** | **Id** | **INT** | **11** | **PK** | |  | | --- | | **Identificador único de la respuesta** |  |  | | --- | |  | |  |
|  | |  | | --- | | Texto |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | LONGTEXT |  |  | Contenido de la respuesta |  |
|  | |  | | --- | | EsCorrecta |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | TINYINT | 1 |  | Indica si la respuesta es correcta (1) o incorrecta (0) |  |
|  | |  | | --- | | PreguntaId |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | INT | 11 | FK | Identificador de la pregunta | Preguntas |
| **Notas** | **Id** | **INT** | **11** | **PK** | **Identificador único de la nota** |  |
|  | |  | | --- | | EstudianteId |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | INT | |  | | --- | | 11 | | FK | Identificador del estudiante | Usuarios |
|  | |  | | --- | | EvaluacionId |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | INT | 11 | FK | Identificador de la evaluación | Evaluaciones |
|  | |  | | --- | | Calificacion |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | DECIMAL | 65,3 |  | Calificación obtenida |  |
| **Asistencias** | **Id** | **INT** | **11** | **PK** | **Identificador único de la asistencia** |  |
|  | |  | | --- | | EstudianteId |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | |  | | --- | | INT | | 11 | FK | Identificador del estudiante | Usuarios |
|  | |  | | --- | | CursoId |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | INT | 11 | FK | Identificador del curso | Cursos |
| |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | Presente | TINYINT | |  | | --- | | 1 | |  | Indica si el estudiante asistió (1) o no (0) |  |