# MySQL

Package «Database» in package 'MySQL'

MySQL

Version 1.0 Phase 1.0 Proposed

EA created on 30/11/2019. Last modified 30/11/2019

## MySQL diagram

Data Modeling diagram in package 'MySQL'

MySQL

Version 1.0

sergio created on 30/11/2019. Last modified 30/11/2019



1. MySQL

## eing.carrera

Database table in package 'Tables'

Datos básicos de una carrera.

carrera

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| nombre | VARCHAR(80) | False |  |
| presentacion | BLOB | False |  |
| perfil | BLOB | False |  |
| plan\_pdf | VARCHAR(50) | False |  |
| imagen | VARCHAR(100) | False |  |
| activo | TINYINT | True | Initial value: 0 |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_carrera | id |  |

## eing.ciclo\_materia

Database table in package 'Tables'

Información de una materia dentro de un ciclo.

ciclo\_materia

Version 1.0 Phase 1.0 Proposed

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DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| id\_ciclo | INT | True |  |
| id\_materia | INT | True |  |
| id\_regimen | INT | True |  |
| horas | INT | True |  |
| hs\_total | INT | True |  |
| programa | VARCHAR(100) | False |  |
| anio | INT | True |  |
| codigo | INT | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_ciclo\_materia | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» id\_ciclo | id\_ciclo |  |
| «index» id\_materia | id\_materia |  |
| «index» id\_regimen | id\_regimen |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| FK\_cm\_regimen | id\_regimen | eing.regimen(id) |
| FK\_cm\_materia | id\_materia | eing.materias(id) |
| FK\_cm\_ciclo | id\_ciclo | eing.ciclos(id) |

## eing.ciclos

Database table in package 'Tables'

Ciclos que conforman los planes.

ciclos

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| nombre | VARCHAR(80) | True |  |
| id\_plan | INT | True |  |
| id\_orientacion | INT | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_ciclos | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» id\_orientacion | id\_orientacion |  |
| «index» id\_plan | id\_plan |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| FK\_ciclo\_plan | id\_plan | eing.planes(id) |
| FK\_ciclo\_orientacion | id\_orientacion | eing.orientaciones(id) |

## eing.correlativas

Database table in package 'Tables'

Tabla de unión para definir el tipo de correlatividad y correlatividades de las materias.

correlativas

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | BIGINT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| id\_ciclo\_materia | INT | True |  |
| id\_correlativa | INT | True |  |
| id\_correlativa\_tipo | INT | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_correlativas | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» id\_ciclo | id\_ciclo\_materia |  |
| «index» id\_correlativa | id\_correlativa |  |
| «index» id\_correlativa\_tipo | id\_correlativa\_tipo |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| FK\_correlativa\_cm | id\_ciclo\_materia | eing.ciclo\_materia(id) |
| FK\_correlativa\_ct | id\_correlativa\_tipo | eing.correlativas\_tipo(id) |
| FK\_correlativa\_correlativa | id\_correlativa | eing.ciclo\_materia(id) |

## eing.correlativas\_tipo

Database table in package 'Tables'

Datos básicos de los tipos de correlatividades.

correlativas\_tipo

Version 1.0 Phase 1.0 Proposed

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DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| descripcion | VARCHAR(50) | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_correlativas\_tipo | id |  |

## eing.cvar

Database table in package 'Tables'

Datos de un CV resumido de los docentes.

cvar

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| id\_docente | INT | True |  |
| areas | VARCHAR(500) | False |  |
| experticia | VARCHAR(500) | False |  |
| grado | VARCHAR(500) | False |  |
| especializacion | VARCHAR(500) | False |  |
| maestria | VARCHAR(500) | False |  |
| doctorado | VARCHAR(500) | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_cvar | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» id\_docente | id\_docente |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| FK\_cvar\_docente | id\_docente | eing.docentes(id) |

## eing.docente\_categoria

Database table in package 'Tables'

Tipos de categorías que puede tener un docente.

docente\_categoria

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| nombre | VARCHAR(30) | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_docente\_categoria | id |  |

## eing.docentes

Database table in package 'Tables'

Datos básicos de los docentes.

docentes

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| persona\_id | BIGINT | True |  |
| id\_docente\_categoria | INT | False |  |
| descripcion | BLOB | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_docentes | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» docente\_categoria\_idx | id\_docente\_categoria |  |
| «index» persona\_id | persona\_id |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| FK\_persona\_id\_docente | persona\_id | eing.persona(id) |
| FK\_docente\_categoria | id\_docente\_categoria | eing.docente\_categoria(id) |

## eing.escuela

Database table in package 'Tables'

Datos básicos de la escuela.

escuela

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| nombre | VARCHAR(60) | True |  |
| universidad | VARCHAR(60) | True |  |
| director | VARCHAR(80) | True |  |
| color | CHAR(7) | True |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_escuela | id |  |

## eing.groups

Database table in package 'Tables'

Grupos de los cuales pueden formar parte los usuarios.

groups

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | MEDIUMINT UNSIGNED | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1  Unsigned = True |
| name | VARCHAR(20) | True |  |
| description | VARCHAR(100) | True |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_groups | id |  |

## eing.login\_attempts

Database table in package 'Tables'

login\_attempts

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT UNSIGNED | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1  Unsigned = True |
| ip\_address | VARCHAR(45) | True |  |
| login | VARCHAR(100) | True |  |
| time | INT UNSIGNED | False | Properties:  Unsigned = True |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_login\_attempts | id |  |

## eing.materia\_docente

Database table in package 'Tables'

Tabla de unión para definir la relación entre un docente y una materia.

materia\_docente

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| id\_ciclo\_materia | INT | True |  |
| id\_docente | INT | True |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_materia\_docente | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» cm\_materia\_docente | id\_docente |  |
| «index» id\_ciclo | id\_ciclo\_materia, id\_docente |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| FK\_cm\_materia\_docente | id\_ciclo\_materia | eing.ciclo\_materia(id) |
| FK\_cm\_docente | id\_docente | eing.docentes(id) |

## eing.materias

Database table in package 'Tables'

Datos básicos de cada materia.

materias

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| nombre | VARCHAR(100) | False |  |
| id\_tipo | INT | True |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_materias | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» tipo\_id | id\_tipo |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| FK\_asignatura\_tipo | id\_tipo | eing.materias\_tipo(id) |

## eing.materias\_tipo

Database table in package 'Tables'

Tipos de materias que se pueden tenerse en los planes de estudio.

materias\_tipo

Version 1.0 Phase 1.0 Proposed

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DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| nombre | VARCHAR(80) | True |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_materias\_tipo | id |  |

## eing.optativas

Database table in package 'Tables'

Tabla de unión para definir la relación entre una materia genérica y sus optativas..

optativas

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| id\_origen | INT | True |  |
| id\_optativa | INT | True |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_optativas | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» id\_origen | id\_origen |  |
| «index» id\_origen\_2 | id\_origen |  |
| «index» optativa\_cm | id\_optativa |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| FK\_optativa\_cm | id\_optativa | eing.ciclo\_materia(id) |
| FK\_origen\_cm | id\_origen | eing.ciclo\_materia(id) |

## eing.orientaciones

Database table in package 'Tables'

Datos básicos de las orientaciones que puede tener un plan de estudio.

orientaciones

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| id\_plan | INT | True |  |
| nombre | VARCHAR(80) | True |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_orientaciones | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» id\_plan | id\_plan |  |

## eing.persona

Database table in package 'Tables'

Datos básicos de las personas.

persona

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | BIGINT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| apellido | VARCHAR(50) | True |  |
| nombre | VARCHAR(50) | True |  |
| nombre\_2 | VARCHAR(50) | False |  |
| dni | VARCHAR(50) | False |  |
| cuit | VARCHAR(50) | False |  |
| email1 | VARCHAR(50) | False |  |
| email2 | VARCHAR(50) | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_persona | id |  |

## eing.planes

Database table in package 'Tables'

Datos básicos de cada plan de estudio.

planes

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| id\_carrera | INT | True |  |
| nombre | VARCHAR(80) | True |  |
| duracion | INT | True |  |
| vigente | TINYINT | True | Initial value: 0 |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_planes | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» id\_carrera | id\_carrera |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| FK\_plan\_carrera | id\_carrera | eing.carrera(id) |

## eing.publicaciones

Database table in package 'Tables'

Datos básicos de las publicaciones.

publicaciones

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | BIGINT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| titulo | VARCHAR(100) | True |  |
| contenido | BLOB | False |  |
| creador\_id | INT UNSIGNED | False | Properties:  Unsigned = True |
| fecha\_creacion | DATE | False |  |
| ultima\_modificacion | DATE | False |  |
| modificador\_id | INT UNSIGNED | False | Properties:  Unsigned = True |
| esta\_publicado | TINYINT | True |  |
| fecha | DATE | True |  |
| lugar | VARCHAR(100) | False | Initial value: 'UNdeC' |
| comienzo | TIME | False | Initial value: 09:00:00 |
| fin | TIME | False | Initial value: 15:00:00 |
| tipo | INT | True | Initial value: 1 |
| imagen | VARCHAR(100) | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_publicaciones | id |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| FK\_publicaciones\_creador\_id | creador\_id | eing.users(id) |
| FK\_publicaciones\_tipo\_publicacion | tipo | eing.tipo\_publicacion(id) |
| FK\_publicaciones\_modificador\_id | modificador\_id | eing.users(id) |

## eing.regimen

Database table in package 'Tables'

Tipos de regimenes que puede tener una materia.

regimen

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| nombre | VARCHAR(30) | True |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_regimen | id |  |

## eing.tipo\_publicacion

Database table in package 'Tables'

Tipos de publicaciones.

tipo\_publicacion

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| nombre | VARCHAR(100) | True |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_tipo\_publicacion | id |  |

## eing.titulos

Database table in package 'Tables'

Datos básicos de titulos que puede tener un plan de estudio.

titulos

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| id\_plan | INT | True |  |
| nombre | VARCHAR(100) | True |  |
| id\_orientacion | INT | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_titulos | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» id\_orientacion | id\_orientacion |  |
| «index» id\_plan | id\_plan |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| titulo\_plan | id\_plan | eing.planes(id) |
| titulo\_orientacion | id\_orientacion | eing.orientaciones(id) |

## eing.users

Database table in package 'Tables'

Datos básicos de cada usuario.

users

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT UNSIGNED | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1  Unsigned = True |
| ip\_address | VARCHAR(45) | True |  |
| username | VARCHAR(100) | False |  |
| password | VARCHAR(255) | True |  |
| salt | VARCHAR(255) | False |  |
| email | VARCHAR(254) | True |  |
| activation\_code | VARCHAR(40) | False |  |
| forgotten\_password\_code | VARCHAR(40) | False |  |
| forgotten\_password\_time | INT UNSIGNED | False | Properties:  Unsigned = True |
| remember\_code | VARCHAR(40) | False |  |
| created\_on | INT UNSIGNED | True | Properties:  Unsigned = True |
| last\_login | INT UNSIGNED | False | Properties:  Unsigned = True |
| active | TINYINT UNSIGNED | False | Properties:  Unsigned = True |
| first\_name | VARCHAR(50) | False |  |
| last\_name | VARCHAR(50) | False |  |
| company | VARCHAR(100) | False |  |
| phone | VARCHAR(20) | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_users | id |  |

## eing.users\_groups

Database table in package 'Tables'

Tabla de unión para definir a que grupo pertenece cada usuario.

users\_groups

Version 1.0 Phase 1.0 Proposed

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DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT UNSIGNED | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1  Unsigned = True |
| user\_id | INT UNSIGNED | True | Properties:  Unsigned = True |
| group\_id | MEDIUMINT UNSIGNED | True | Properties:  Unsigned = True |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_users\_groups | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» fk\_users\_groups\_groups1\_idx | group\_id |  |
| «index» fk\_users\_groups\_users1\_idx | user\_id |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| fk\_users\_groups\_users1 | user\_id | eing.users(id) |
| fk\_users\_groups\_groups1 | group\_id | eing.groups(id) |

## Tables

Package in package 'MySQL'

Tables

Version 1.0 Phase 1.0 Proposed

EA created on 30/11/2019. Last modified 30/11/2019

### Tables diagram

Data Modeling diagram in package 'Tables'

Tables

Version 1.0

sergio created on 30/11/2019. Last modified 30/11/2019



1. Tables

### eing.carrera

Database table in package 'Tables'

Datos básicos de una carrera.

carrera

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| nombre | VARCHAR(80) | False |  |
| presentacion | BLOB | False |  |
| perfil | BLOB | False |  |
| plan\_pdf | VARCHAR(50) | False |  |
| imagen | VARCHAR(100) | False |  |
| activo | TINYINT | True | Initial value: 0 |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_carrera | id |  |

### eing.ciclo\_materia

Database table in package 'Tables'

Información de una materia dentro de un ciclo.

ciclo\_materia

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| id\_ciclo | INT | True |  |
| id\_materia | INT | True |  |
| id\_regimen | INT | True |  |
| horas | INT | True |  |
| hs\_total | INT | True |  |
| programa | VARCHAR(100) | False |  |
| anio | INT | True |  |
| codigo | INT | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_ciclo\_materia | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» id\_ciclo | id\_ciclo |  |
| «index» id\_materia | id\_materia |  |
| «index» id\_regimen | id\_regimen |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| FK\_cm\_regimen | id\_regimen | eing.regimen(id) |
| FK\_cm\_materia | id\_materia | eing.materias(id) |
| FK\_cm\_ciclo | id\_ciclo | eing.ciclos(id) |

### eing.ciclos

Database table in package 'Tables'

Ciclos que conforman los planes.

ciclos

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| nombre | VARCHAR(80) | True |  |
| id\_plan | INT | True |  |
| id\_orientacion | INT | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_ciclos | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» id\_orientacion | id\_orientacion |  |
| «index» id\_plan | id\_plan |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| FK\_ciclo\_plan | id\_plan | eing.planes(id) |
| FK\_ciclo\_orientacion | id\_orientacion | eing.orientaciones(id) |

### eing.correlativas

Database table in package 'Tables'

Tabla de unión para definir el tipo de correlatividad y correlatividades de las materias.

correlativas

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | BIGINT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| id\_ciclo\_materia | INT | True |  |
| id\_correlativa | INT | True |  |
| id\_correlativa\_tipo | INT | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_correlativas | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» id\_ciclo | id\_ciclo\_materia |  |
| «index» id\_correlativa | id\_correlativa |  |
| «index» id\_correlativa\_tipo | id\_correlativa\_tipo |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| FK\_correlativa\_cm | id\_ciclo\_materia | eing.ciclo\_materia(id) |
| FK\_correlativa\_ct | id\_correlativa\_tipo | eing.correlativas\_tipo(id) |
| FK\_correlativa\_correlativa | id\_correlativa | eing.ciclo\_materia(id) |

### eing.correlativas\_tipo

Database table in package 'Tables'

Datos básicos de los tipos de correlatividades.

correlativas\_tipo

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| descripcion | VARCHAR(50) | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_correlativas\_tipo | id |  |

### eing.cvar

Database table in package 'Tables'

Datos de un CV resumido de los docentes.

cvar

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| id\_docente | INT | True |  |
| areas | VARCHAR(500) | False |  |
| experticia | VARCHAR(500) | False |  |
| grado | VARCHAR(500) | False |  |
| especializacion | VARCHAR(500) | False |  |
| maestria | VARCHAR(500) | False |  |
| doctorado | VARCHAR(500) | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_cvar | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» id\_docente | id\_docente |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| FK\_cvar\_docente | id\_docente | eing.docentes(id) |

### eing.docente\_categoria

Database table in package 'Tables'

Tipos de categorías que puede tener un docente.

docente\_categoria

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| nombre | VARCHAR(30) | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_docente\_categoria | id |  |

### eing.docentes

Database table in package 'Tables'

Datos básicos de los los docentes.

docentes

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| persona\_id | BIGINT | True |  |
| id\_docente\_categoria | INT | False |  |
| descripcion | BLOB | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_docentes | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» docente\_categoria\_idx | id\_docente\_categoria |  |
| «index» persona\_id | persona\_id |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| FK\_persona\_id\_docente | persona\_id | eing.persona(id) |
| FK\_docente\_categoria | id\_docente\_categoria | eing.docente\_categoria(id) |

### eing.escuela

Database table in package 'Tables'

Datos básicos de la escuela.

escuela

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| nombre | VARCHAR(60) | True |  |
| universidad | VARCHAR(60) | True |  |
| director | VARCHAR(80) | True |  |
| color | CHAR(7) | True |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_escuela | id |  |

### eing.groups

Database table in package 'Tables'

Grupos de los cuales pueden formar parte los usuarios.

groups

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | MEDIUMINT UNSIGNED | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1  Unsigned = True |
| name | VARCHAR(20) | True |  |
| description | VARCHAR(100) | True |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_groups | id |  |

### eing.login\_attempts

Database table in package 'Tables'

login\_attempts

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT UNSIGNED | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1  Unsigned = True |
| ip\_address | VARCHAR(45) | True |  |
| login | VARCHAR(100) | True |  |
| time | INT UNSIGNED | False | Properties:  Unsigned = True |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_login\_attempts | id |  |

### eing.materia\_docente

Database table in package 'Tables'

Tabla de unión para definir la relación entre un docente y una materia.

materia\_docente

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| id\_ciclo\_materia | INT | True |  |
| id\_docente | INT | True |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_materia\_docente | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» cm\_materia\_docente | id\_docente |  |
| «index» id\_ciclo | id\_ciclo\_materia, id\_docente |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| FK\_cm\_materia\_docente | id\_ciclo\_materia | eing.ciclo\_materia(id) |
| FK\_cm\_docente | id\_docente | eing.docentes(id) |

### eing.materias

Database table in package 'Tables'

Datos básicos de cada materia.

materias

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| nombre | VARCHAR(100) | False |  |
| id\_tipo | INT | True |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_materias | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» tipo\_id | id\_tipo |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| FK\_asignatura\_tipo | id\_tipo | eing.materias\_tipo(id) |

### eing.materias\_tipo

Database table in package 'Tables'

Tipos de materias que se pueden tenerse en los planes de estudio.

materias\_tipo

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| nombre | VARCHAR(80) | True |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_materias\_tipo | id |  |

### eing.optativas

Database table in package 'Tables'

Tabla de unión para definir la relación entre una materia genérica y sus optativas..

optativas

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| id\_origen | INT | True |  |
| id\_optativa | INT | True |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_optativas | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» id\_origen | id\_origen |  |
| «index» id\_origen\_2 | id\_origen |  |
| «index» optativa\_cm | id\_optativa |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| FK\_optativa\_cm | id\_optativa | eing.ciclo\_materia(id) |
| FK\_origen\_cm | id\_origen | eing.ciclo\_materia(id) |

### eing.orientaciones

Database table in package 'Tables'

Datos básicos de las orientaciones que puede tener un plan de estudio.

orientaciones

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| id\_plan | INT | True |  |
| nombre | VARCHAR(80) | True |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_orientaciones | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» id\_plan | id\_plan |  |

### eing.persona

Database table in package 'Tables'

Datos básicos de las personas.

persona

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | BIGINT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| apellido | VARCHAR(50) | True |  |
| nombre | VARCHAR(50) | True |  |
| nombre\_2 | VARCHAR(50) | False |  |
| dni | VARCHAR(50) | False |  |
| cuit | VARCHAR(50) | False |  |
| email1 | VARCHAR(50) | False |  |
| email2 | VARCHAR(50) | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_persona | id |  |

### eing.planes

Database table in package 'Tables'

Datos básicos de cada plan de estudio.

planes

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| id\_carrera | INT | True |  |
| nombre | VARCHAR(80) | True |  |
| duracion | INT | True |  |
| vigente | TINYINT | True | Initial value: 0 |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_planes | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» id\_carrera | id\_carrera |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| FK\_plan\_carrera | id\_carrera | eing.carrera(id) |

### eing.publicaciones

Database table in package 'Tables'

Datos básicos de las publicaciones.

publicaciones

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | BIGINT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| titulo | VARCHAR(100) | True |  |
| contenido | BLOB | False |  |
| creador\_id | INT UNSIGNED | False | Properties:  Unsigned = True |
| fecha\_creacion | DATE | False |  |
| ultima\_modificacion | DATE | False |  |
| modificador\_id | INT UNSIGNED | False | Properties:  Unsigned = True |
| esta\_publicado | TINYINT | True |  |
| fecha | DATE | True |  |
| lugar | VARCHAR(100) | False | Initial value: 'UNdeC' |
| comienzo | TIME | False | Initial value: 09:00:00 |
| fin | TIME | False | Initial value: 15:00:00 |
| tipo | INT | True | Initial value: 1 |
| imagen | VARCHAR(100) | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_publicaciones | id |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| FK\_publicaciones\_creador\_id | creador\_id | eing.users(id) |
| FK\_publicaciones\_tipo\_publicacion | tipo | eing.tipo\_publicacion(id) |
| FK\_publicaciones\_modificador\_id | modificador\_id | eing.users(id) |

### eing.regimen

Database table in package 'Tables'

Tipos de regimenes que puede tener una materia.

regimen

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| nombre | VARCHAR(30) | True |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_regimen | id |  |

### eing.tipo\_publicacion

Database table in package 'Tables'

Tipos de publicaciones.

tipo\_publicacion

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| nombre | VARCHAR(100) | True |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_tipo\_publicacion | id |  |

### eing.titulos

Database table in package 'Tables'

Datos básicos de titulos que puede tener un plan de estudio.

titulos

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1 |
| id\_plan | INT | True |  |
| nombre | VARCHAR(100) | True |  |
| id\_orientacion | INT | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_titulos | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» id\_orientacion | id\_orientacion |  |
| «index» id\_plan | id\_plan |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| titulo\_plan | id\_plan | eing.planes(id) |
| titulo\_orientacion | id\_orientacion | eing.orientaciones(id) |

### eing.users

Database table in package 'Tables'

Datos básicos de cada usuario.

users

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT UNSIGNED | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1  Unsigned = True |
| ip\_address | VARCHAR(45) | True |  |
| username | VARCHAR(100) | False |  |
| password | VARCHAR(255) | True |  |
| salt | VARCHAR(255) | False |  |
| email | VARCHAR(254) | True |  |
| activation\_code | VARCHAR(40) | False |  |
| forgotten\_password\_code | VARCHAR(40) | False |  |
| forgotten\_password\_time | INT UNSIGNED | False | Properties:  Unsigned = True |
| remember\_code | VARCHAR(40) | False |  |
| created\_on | INT UNSIGNED | True | Properties:  Unsigned = True |
| last\_login | INT UNSIGNED | False | Properties:  Unsigned = True |
| active | TINYINT UNSIGNED | False | Properties:  Unsigned = True |
| first\_name | VARCHAR(50) | False |  |
| last\_name | VARCHAR(50) | False |  |
| company | VARCHAR(100) | False |  |
| phone | VARCHAR(20) | False |  |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_users | id |  |

### eing.users\_groups

Database table in package 'Tables'

Tabla de unión para definir a que grupo pertenece cada usuario.

users\_groups

Version 1.0 Phase 1.0 Proposed

sergio created on 30/11/2019. Last modified 30/11/2019

DBMS MySql

| COLUMN NAME | DATATYPE | NOT NULL | COMMENTS |
| --- | --- | --- | --- |
| id | INT UNSIGNED | True | Properties:  AutoNum = 1  Increment = 1  property = AutoNum=1;StartNum=1;Increment=1;  StartNum = 1  Unsigned = True |
| user\_id | INT UNSIGNED | True | Properties:  Unsigned = True |
| group\_id | MEDIUMINT UNSIGNED | True | Properties:  Unsigned = True |

|  |  |  |
| --- | --- | --- |
| PRIMARY KEY NAME | COLUMNS | COMMENTS |
| PK\_users\_groups | id |  |

|  |  |  |
| --- | --- | --- |
| TYPE / NAME | COLUMNS | COMMENTS |
| «index» fk\_users\_groups\_groups1\_idx | group\_id |  |
| «index» fk\_users\_groups\_users1\_idx | user\_id |  |

|  |  |  |
| --- | --- | --- |
| FOREIGN KEY NAME | COLUMNS | REFERENCES |
| fk\_users\_groups\_users1 | user\_id | eing.users(id) |
| fk\_users\_groups\_groups1 | group\_id | eing.groups(id) |