# TaskManager

Projeto de Banco de Dados
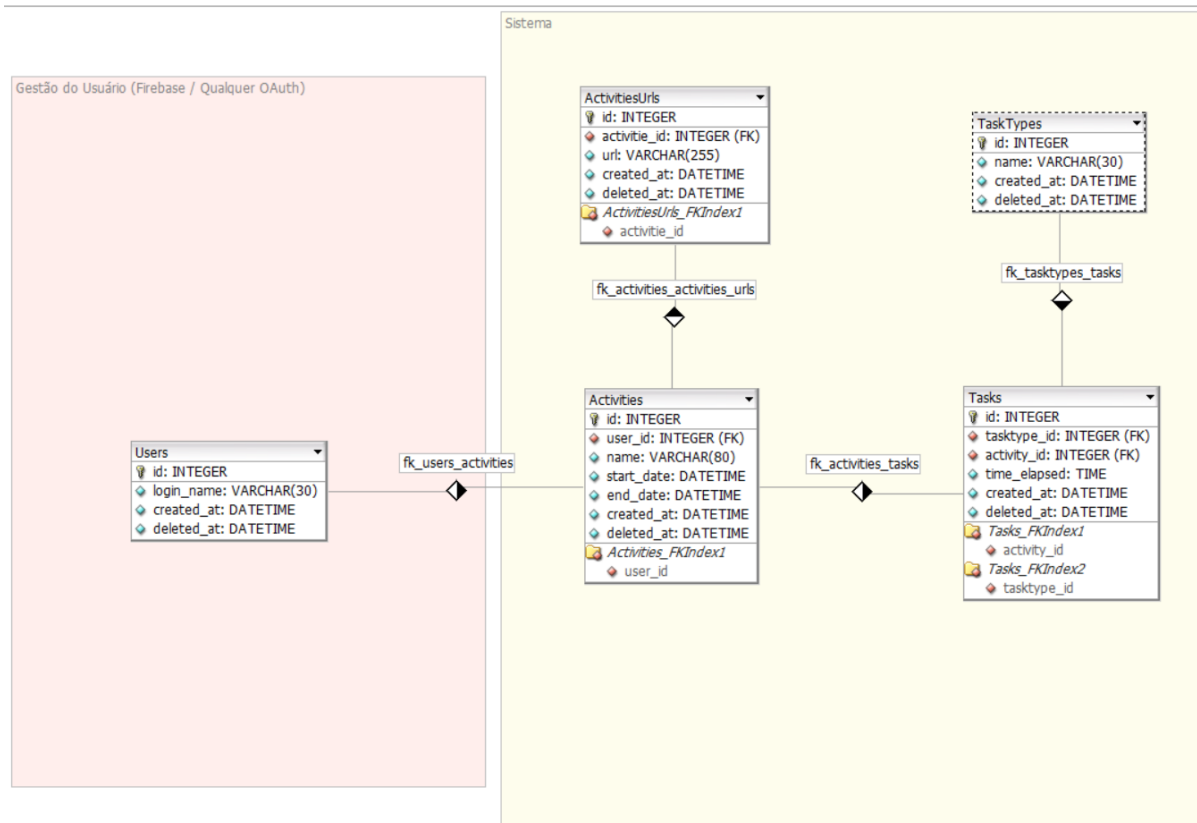
# Sumário

# Objetivo

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.
It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

## Volume de Dados

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

# Modelo de Entidade Relacionamento (MER)

Sistema

Gestão do Usuário (Firebase / Qualquer OAuth)

**ActivitiesUrls**
- 🔑 id: INTEGER
- 🔶 activitie_id: INTEGER (FK)
- 🔷 url: VARCHAR(255)
- 🔷 created_at: DATETIME
- 🔷 deleted_at: DATETIME
- *ActivitiesUrls_FKIndex1*
  - 🔶 activitie_id

**TaskTypes**
- 🔑 id: INTEGER
- 🔷 name: VARCHAR(30)
- 🔷 created_at: DATETIME
- 🔷 deleted_at: DATETIME

fk_activities_activities_urls

fk_tasktypes_tasks

**Activities**
- 🔑 id: INTEGER
- 🔶 user_id: INTEGER (FK)
- 🔶 name: VARCHAR(80)
- 🔷 start_date: DATETIME
- 🔷 end_date: DATETIME
- 🔷 created_at: DATETIME
- 🔷 deleted_at: DATETIME
- *Activities_FKIndex1*
  - 🔶 user_id

**Tasks**
- 🔑 id: INTEGER
- 🔶 tasktype_id: INTEGER (FK)
- 🔶 activity_id: INTEGER (FK)
- 🔷 time_elapsed: TIME
- 🔷 created_at: DATETIME
- 🔷 deleted_at: DATETIME
- *Tasks_FKIndex1*
  - 🔶 activity_id
- *Tasks_FKIndex2*
  - 🔶 tasktype_id

**Users**
- 🔑 id: INTEGER
- 🔷 login_name: VARCHAR(30)
- 🔷 created_at: DATETIME
- 🔷 deleted_at: DATETIME

fk_users_activities

fk_activities_tasks

# Dicionário de dados

## Task Types

| Column Name | DataType | NN | AI | Flags | Default Value | Comments |
|---|---|---|---|---|---|---|
| id | INTEGER | ✔ | ✔ | ✔ UNSIGNED ☐ ZEROFILL | | |
| name | VARCHAR(30) | ✔ | | ☐ BINARY | | Nome da Task |
| created_at | DATETIME | ✔ | | | | Data de inclusão do registro no sistema |
| deleted_at | DATETIME | | | | | Data da exclusão lógica no sistema |

Será feito o DUMP dos dados no sistema com as atividades padrão: Vídeo, Exercício, Projeto.

## Users

| Column Name | DataType | NN | AI | Flags | Default Value | Comments |
|---|---|---|---|---|---|---|
| id | INTEGER | ✔ | ✔ | ✔ UNSIGNED ☐ ZEROFILL | | |
| login_name | VARCHAR(30) | ✔ | | ☐ BINARY | | Nome que será usado dentro do sistema |
| created_at | DATETIME | ✔ | | | | Data de criação do registro |
| deleted_at | DATETIME | | | | | Exclusão lógico do registro |

A informação nesta tabela será apenas a título de informação, sendo utilizado algum serviço de OAuth para login.

## Tasks

| Column Name | DataType | NN | AI | Flags | Default Value | Comments |
|---|---|---|---|---|---|---|
| id | INTEGER | ✔ | ✔ | ✔ UNSIGNED ☐ ZEROFILL | | |
| tasktype_id | INTEGER | ✔ | | ✔ UNSIGNED ☐ ZEROFILL | | |
| activity_id | INTEGER | ✔ | | ✔ UNSIGNED ☐ ZEROFILL | | Atividade relacionada |
| time_elapsed | TIME | ✔ | | | | Tempo gasto |
| created_at | DATETIME | ✔ | | | | Data de criação do registro no sistema |
| deleted_at | DATETIME | | | | | Removido logicamente na data |

# Activities

| Column Name | DataType | NN | AI | Flags | Default Value | Comments |
|---|---|---|---|---|---|---|
| id | INTEGER | ✔ | ✔ | ☑ UNSIGNED ☐ ZEROFILL | | |
| user_id | INTEGER | ✔ | | ☑ UNSIGNED ☐ ZEROFILL | | Usuario relacionado à atividade |
| name | VARCHAR(80) | ✔ | | ☐ BINARY | | Nome da Atividade |
| start_date | DATETIME | ✔ | | | | Data de Inicio da Atividade |
| end_date | DATETIME | | | | | Quando concluir, o sistema atualizará esta data fechando a atividade |
| created_at | DATETIME | ✔ | | | | Data de registro no sistema |
| deleted_at | DATETIME | | | | | Exclusão lógica do registro |
| | | | | | | |

A tabela principal do sistema, que permitirá extrairmos os relatórios e visões dos dados do mesmo.

# ActivitiesUrls

| Column Name | DataType | NN | AI | Flags | Default Value | Comments |
|---|---|---|---|---|---|---|
| id | INTEGER | ✔ | ✔ | ☑ UNSIGNED ☐ ZEROFILL | | |
| activitie_id | INTEGER | ✔ | | ☑ UNSIGNED ☐ ZEROFILL | | Atividade relacionada ao link |
| url | VARCHAR(255) | ✔ | | ☐ BINARY | | |
| created_at | DATETIME | ✔ | | | | |
| deleted_at | DATETIME | | | | | |
| | | | | | | |