



Final Project Proposal

Bases de Dados

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Description

Task management platform for university classes.

Requirements analysis

Features

- Create tasks by class
- Balance of finished/unfinished tasks of each class
- Aggregate tasks by groups
- Search and follow users
- View other users' tasks
- Shared tasks
- Teacher publishes grades of an assignment

Entities & Attributes

- User
 - ID
 - Name
 - Pass_Hash
- Task (weak entity)
 - ID
 - Name
 - Description
 - Start_date
 - End_date
 - Status
 - Priority_lvl
 - Visibility
 - Group
- Enrolled in (relation)
 - Grade
- Assignment (associative entity)
 - Grade
 - Date
 - ID
- Class
 - ID
 - Name
- Course
 - ID
 - Name
 - Field
- Resource (weak entity)
 - Path
 - Type (video, img, pdf, etc)
- University
 - ID
 - Name
 - Logo_path
- Country
 - Code
 - Name
 - Flag_path

Relations

- User teaches Class (1:N)
- User follows User (N:M)
- User enrolled in Class (N:M)
- User attends University (N:1)
- Task assigned to Student (N:M)
- Task within Class (N:1)
- Class has Resource (1:N)
- Class belongs to Course (N:1)
- Course offered at University (N:M)
- University situated in Country (N:1)