Bonilla Caiza David Alejandro 4 classes

User
- firstName:String
- lastName:String
- address:String
- userType:String
- ~~dateofBirth:Date~~
- ~~phoneNumber:String~~
+ registerUser():Boolean
+ modifyUser():Boolean
+ deleteUser():Boolean
+ ~~consultUser():void~~

Administrator
- credential:String
- password:String
- ~~accessLevel:int~~
+ registerCredential():Boolean
+ validateCredential():Boolean
+ confirmCredential():Boolean
+ ~~consultCredential():void~~

Teacher
- firstName:String
- lastNameString
- subject:String
- ~~experience:int~~
+ registerTeacher():Boolean
+ modifyTeacher():Boolean
+ ~~consultTeacher():void~~

Planning
- planningName:String - startDate:Date - endDate:Date - ~~description:String~~
+ registerPlanning():Boolean + modifyPlanning():Boolean + ~~consultPlanning():void~~

Astudillo Ortega Gerald Israel 4 classes

Login

- username: String
- password: String
- ~~otpCode: String~~

+ authenticate(): Boolean
+ resetPassword(): Boolean
+ logout(): void
+ ~~validateOtp(): Boolean~~

Scope

- scopeId: String
- description: String
- planning: String

+ registerScope(): Boolean
+ modifyScope(): Boolean
+ deleteScope(): Boolean

Student

- studentId: String
- firstNameStudent: String
- lastNameStudent: String
- group: String
- ~~guardianContact: String~~

+ registerStudent(): Boolean
+ viewGrades(): void
+ requestExtension(days: int): Boolean

Course
- courseIdentifier: String - courseTitle: String - courseDescription: String
+ registerCourse(): Boolean + updateCourseDetails():   Boolean + removeCourse(): Boolean

1. **Find nouns.**

   "Teachers also manage resources and materials, and
   evaluation criteria as part of their planning process.
   Similarly, the use of skills, methodological strategies,
   and their respective descriptions must be recorded and
   updated consistently, which can lead to information loss
   due to constant forgetting to update them."

2. **List possible object / classes.**

   ~~Teacher~~
   ResourceAndMaterial
   EvaluationCriteria
   ~~PlanningProcess~~
   Skill
   MethodologicalStrategy
   ~~Description~~
   ~~Information~~

3. **Find attributes / methods (actions) for every class and abstract the methods and attributes.**

   Resources and materials

       Attributes
   - resourceId
   - material
   - name
   - type
   - quantity
   - ~~color~~
   - description
   - file upload

       Methods
   - registerResource()
   - modifyResource()
   - deleteResource()
   - consultResource()

EvaluationCriteria

Attributes
- criteriaId
- description
- criteriaType
- relatedSkill
- ~~createdBy~~

Methods
- registerCriteria()
- modifyCriteria()
- deleteCriteria()
- consultCriteria()

Skill

Attributes
- skillId
- name
- description
- domain
- ~~difficultyLevel~~

Methods
- registerSkill()
- modifySkill()
- deleteSkill()
- consultSkill()

Methodological Strategies

Attributes
- strategyId
- name
- description
- ~~effectivenessScore~~

Methods
- registerStrategy()
- modifyStrategy()
- deleteStrategy()
- consultStrategy()

4. Encapsulate

Resources and materials
- resourceId: String - name: String - type: String - quantity: int - description: String - fileUpload: String (URL del archivo)
+ registerResource(): Boolean + modifyResource(): Boolean + deleteResource(): Boolean + consultResource(): void

EvaluationCriteria
- criteriaId: String - description: String - criteriaType: String - relatedSkill: String
+ registerCriteria(): Boolean + modifyCriteria(): Boolean + deleteCriteria(): Boolean + consultCriteria(): void

Skill
- skillId: String - name: String - description: String - domain: String
+ registerSkill(): Boolean + modifySkill(): Boolean + deleteSkill(): Boolean + consultSkill(): void

Methodological Strategies
- strategyId: String - name: String - description: String
+ registerStrategy(): Boolean + modifyStrategy(): Boolean + deleteStrategy(): Boolean + consultStrategy(): void

Andrade Chicaiza Julio Andrade 4 Classes

Find nouns.

> "This administrative burden distracts from the teachers'
> primary goal: providing high-quality education and
> supporting children's development."

List possible object / classes.

> ~~burden~~
>
> teachers
>
> ~~goal~~
>
> education
>
> children
>
> development

Find attributes / methods (actions) for every class and abstract the methods and attributes.

> *Teachers*
>
>> Attributes
>> - ~~Patience~~
>> - Knowledge
>> - ~~Responsibility~~
>> - ~~Compromiso~~
>> - ~~Empatía~~
>> - ~~Authority~~
>> - Organization
>> Methods
>> - registerTeachers()
>> - modifyTeaches()
>> - deleteTeachers()
>> - consultTeChears()
>
> *Education*

Attributes
- educationId
- level
- modality
- description

Methods
- registerEducation(): Boolean
- modifyEducation(): Boolean
- deleteEducation(): Boolean
- consultEducation(): void

Children

Attributes
- childId
- name
- age
- gender
- educationalStage
- guardianContact

Methods
- registerChild(): Boolean
- modifyChild(): Boolean
- deleteChild(): Boolean
- consultChild(): void

Development

Attributes
- developmentId
- type
- stage
- indicators
- description

Methods
- registerDevelopment(): Boolean
- modifyDevelopment(): Boolean
- deleteDevelopment(): Boolean
- consultDevelopment(): void
-

5. Encapsulate

Teachers
- Organization(): Boolean - Knowledge(): Boolean
+ registerTeachers() + modifyTeaches() + deleteTeachers() + consultTeChears()

Education
- educationId: String - level: String (e.g., primary, secondary, higher) - modality: String (e.g., online, in-person, hybrid) - institutionName: String - description: String
+ registerEducation(): Boolean + modifyEducation(): Boolean   deleteEducation(): Boolean + consultEducation(): void

Children
- childId: String - name: String - age: int - gender: String - educationalStage: String (e.g., preschool, elementary) - guardianContact: String -
+ registerChild(): Boolean

+   modifyChild(): Boolean +   deleteChild(): Boolean +   consultChild(): void

Development
-   developmentId: String -   type: String (e.g., cognitive, physical, emotional) -   stage: String (e.g., infancy, early childhood) -   indicators: String -   description: String
+   registerDevelopment(): Boolean +   modifyDevelopment(): Boolean   deleteDevelopment(): Boolean +   consultDevelopment(): void