

**Instituto Tecnológico de Estudios Superiores Monterrey**

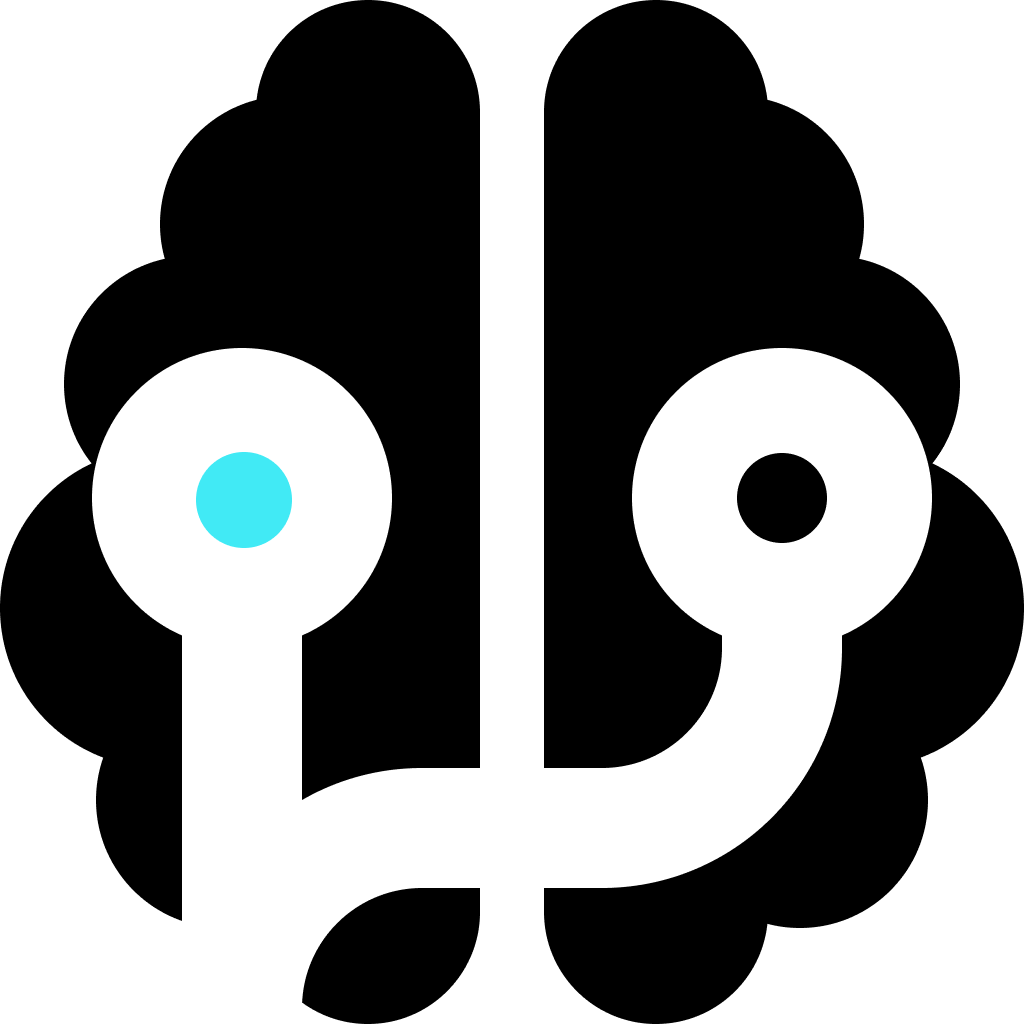
**CAMPUS QUERÉTARO**

**Construcción de software y toma de decisiones**

Ricardo Cortés Espinosa

Grupo 402

**Mer revisado**

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dd/mm/yyyy

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# **MER**

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# **Diccionario de datos**

**Tabla: Client**

| **Columna** | **Tipo** |
| --- | --- |
| id | VARCHAR(96) |
| username | VARCHAR(15) |
| authProvider | VARCHAR(40) |
| authProviderId | VARCHAR(96) |
| sex | CHAR(1) |
| dateOfBirth | DATE |
| imageId | VARCHAR(96) |
| createdAt | TIMESTAMP |

**Tabla: PysicLevel**

| **Columna** | **Tipo** |
| --- | --- |
| id | VARCHAR(96) |
| name | VARCHAR(40) |

**Tabla: ClientLevel**

| **Columna** | **Tipo** |
| --- | --- |
| clientId | VARCHAR(96) |
| physicalLevelId | VARCHAR(96) |
| createdAt | TIMESTAMP |

**Table: Goal**

| **Columna** | **Tipo** |
| --- | --- |
| id | VARCHAR(96) |
| name | VARCHAR(40) |

**Table: ClientGoal**

| **Columna** | **Tipo** |
| --- | --- |
| clientId | VARCHAR(96) |
| goalId | VARCHAR(96) |
| createdAt | TIMESTAMP |

**Table: Body**

| **Columna** | **Tipo** |
| --- | --- |
| id | VARCHAR(96) |
| clientId | VARCHAR(96) |
| measurement | FLOAT |
| createdAt | TIMESTAMP |

**Table: JournalEntry**

| **Columna** | **Tipo** |
| --- | --- |
| id | VARCHAR(96) |
| title | VARCHAR(40) |
| content | TEXT |
| createdAt | TIMESTAMP |
| clientId | VARCHAR(96) |

**Table: Rol**

| **Columna** | **Tipo** |
| --- | --- |
| id | VARCHAR(96) |
| name | VARCHAR(40) |

**Table: ClientRol**

| **Columna** | **Tipo** |
| --- | --- |
| clientId | VARCHAR(96) |
| rolId | VARCHAR(96) |
| createdAt | TIMESTAMP |

**Table: Service**

| **Columna** | **Tipo** |
| --- | --- |
| id | VARCHAR(96) |
| name | VARCHAR(40) |

**Table: RolService**

| **Columna** | **Tipo** |
| --- | --- |
| rolId | VARCHAR(96) |
| serviceId | VARCHAR(96) |

**Table: Image**

| **Columna** | **Tipo** |
| --- | --- |
| id | VARCHAR(96) |
| src | TEXT |

**Table: WorkoutImage**

| **Columna** | **Tipo** |
| --- | --- |
| id | VARCHAR(96) |
| idWorkout | VARCHAR(96) |
| imageId | VARCHAR(96) |

**Table: Workout**

| **Columna** | **Tipo** |
| --- | --- |
| id | VARCHAR(96) |
| name | VARCHAR(40) |
| description | TEXT |
| frequency | INT |
| workoutLevelId | VARCHAR(96) |
| typeId | VARCHAR(96) |

**Table: ClientWorkout**

| **Columna** | **Tipo** |
| --- | --- |
| clientId | VARCHAR(96) |
| workoutId | VARCHAR(96) |

**Table: WorkoutLevel**

| **Columna** | **Tipo** |
| --- | --- |
| id | VARCHAR(96) |
| name | VARCHAR(40) |

**Table: WorkoutType**

| **Columna** | **Tipo** |
| --- | --- |
| id | VARCHAR(96) |
| name | VARCHAR(40) |

**Table: Exercise**

| **Columna** | **Tipo** |
| --- | --- |
| id | VARCHAR(96) |
| name | VARCHAR(40) |
| description | TEXT |
| imageId | VARCHAR(96) |

**Tabla: Tag**

| **Columna** | **Tipo** |
| --- | --- |
| workoutId | VARCHAR(96) |
| exerciseId | VARCHAR(96) |

**Tabla: Diet**

| **Columna** | **Tipo** |
| --- | --- |
| id | VARCHAR(96) |
| name | VARCHAR(40) |
| calories | INT |

**Tabla: ClientDiet**

| **Columna** | **Tipo** |
| --- | --- |
| clientId | VARCHAR(96) |
| dietId | VARCHAR(96) |

**Tabla: Ingredient**

| **Columna** | **Tipo** |
| --- | --- |
| id | VARCHAR(96) |
| name | VARCHAR(40) |
| carbs | FLOAT |
| fat | FLOAT |
| protein | FLOAT |

**Tabla: DietIngredient**

| **Columna** | **Tipo** |
| --- | --- |
| dietId | VARCHAR(96) |
| ingredientId | VARCHAR(96) |
| quantity | INT |
| unit | VARCHAR(4) |

**Tabla: Micros**

| **Columna** | **Tipo** |
| --- | --- |
| id | VARCHAR(96) |
| name | VARCHAR(40) |

**Tabla: MicrosIngredient**

| **Columna** | **Tipo** |
| --- | --- |
| microsId | VARCHAR(96) |
| ingredientId | VARCHAR(96) |
| microsPerGram | FLOAT |

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# **Tablas correspondientes**

Client (id, username, authProvider, authProviderId, sex, dateOfBirth, imageId, createdAt)

PK (id)

FK (imageId) references Image (id)

PhysicLevel (id, level)

PK (id)

ClientLevel (clientId, physicLevelId, createdAt)

PK (clientId, physicLevelId)

FK (clientId) references Client (id)

FK (physicLevelId) references PhysicLevel (id)

Goal (id, name)

PK (id)

ClientGoal (clientId, goalId, createdAt)

PK (clientId, goalId)

FK (clientId) references Client (id)

FK (goalId) references Goal (id)

Body (id, clientId, measurement, createdAt)

PK (id)

FK (clientId) references Client (id)

JournalEntry (id, title, content, createdAt, clientId)

PK (id)

FK (clientId) references Client (id)

Rol (id, name)

PK (id)

ClientRol (clientId, rolId, createdAt)

PK (clientId, rolId)

FK (clientId) references Client (id)

FK (rolId) references Rol (id)

Service (id, name)

PK (id)

RolService (rolId, serviceId)

PK (rolId, serviceId)

FK (rolId) references Rol (id)

FK (serviceId) references Service (id)

Image (id, src)

PK (id)

WorkoutImage (id, idWorkout, imageId)

PK (id, idWorkout)

FK (idWorkout) references Workout (id)

FK (imageId) references Image (id)

Workout (id, name, description, frequency, workoutLevelId, typeId)

PK (id)

FK (workoutLevelId) references WorkoutLevel (id)

FK (typeId) references workoutType (id)

ClientWorkout (clientId, workoutId)

PK (clientId, workoutId)

FK (clientId) references Client (id)

FK (workoutId) references Workout (id)

WorkoutLevel (id, name)

PK (id)

WorkoutType (id, name)

PK (id)

Exercise (id, name, description, imageId)

PK (id)

FK (imageId) references Image (id)

Tag (workoutId, exerciseId)

PK (workoutId, exerciseId)

FK (workoutId) references Workout (id)

FK (exerciseId) references Exercise (id)

Diet (id, name, calories)

PK (id)

ClientDiet (clientId, dietId)

PK (clientId, dietId)

FK (clientId) references Client (id)

FK (dietId) references Diet (id)

Ingredient (id, name, carbs, fat, protein)

PK (id)

DietIngredient (dietId, ingredientId, quantity, unit)

PK (dietId, ingredientId)

FK (dietId) references Diet (id)

FK (ingredientId) references Ingredient (id)

Micros (id, name)

PK (id)

MicrosIngredient (microsId, ingredientId, microsPerGram)

PK (microsId, ingredientId)

FK (microsId) references Micros (id)

FK (ingredientId) references Ingredient (id)

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