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Dating app paper

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Abstract

This project presents the design and development of a database for a dating application, following a structured 10- step process. Key entities are identified, and relationships between them are established to optimize the application's functionality. The goal is to create an efficient and scalable database. .

introduction

In this project, a 10-step procedure was used to design a database for a dating application where the components, entities and attributes were identified, as well as establishing relationships and developing an Entity-Relationship Model in order to create a functional and efficient database.

Methods

The database design for the dating app follows the following 10 steps:

1. **Define components:** Where the key elements of the app are defined.
2. **Define entities:** Establish the entities of the proposed elements.
3. **Define attributes per entity:** Specify the attributes of the proposed entities.
4. **Define relationships:** Determine how the proposed entities interact.
5. **Define relationship types:** Classify the relationships that the entities have.
6. **First entity relationship drawing:** Create an initial ER diagram.
7. **First many-to-many relationship:** Split the many-to-many relationships with an intermediate class.
8. **Second entity relationship drawing:** A second ER diagram is created taking into account step 7.
9. **Obtain the E-R-M data structure:** Develop the entity-relationship model (ERM) to clearly outline the structure.
10. **Define data restrictions and properties:** Specify the restrictions that our entities will manage.

Results

As a result of the process carried out we obtained