MODULE 2 : FINAL PROJECT MILESTONE 2

Week 2

Abstract

In this assignment, I will write down the project's business rules, the ER diagram and four table

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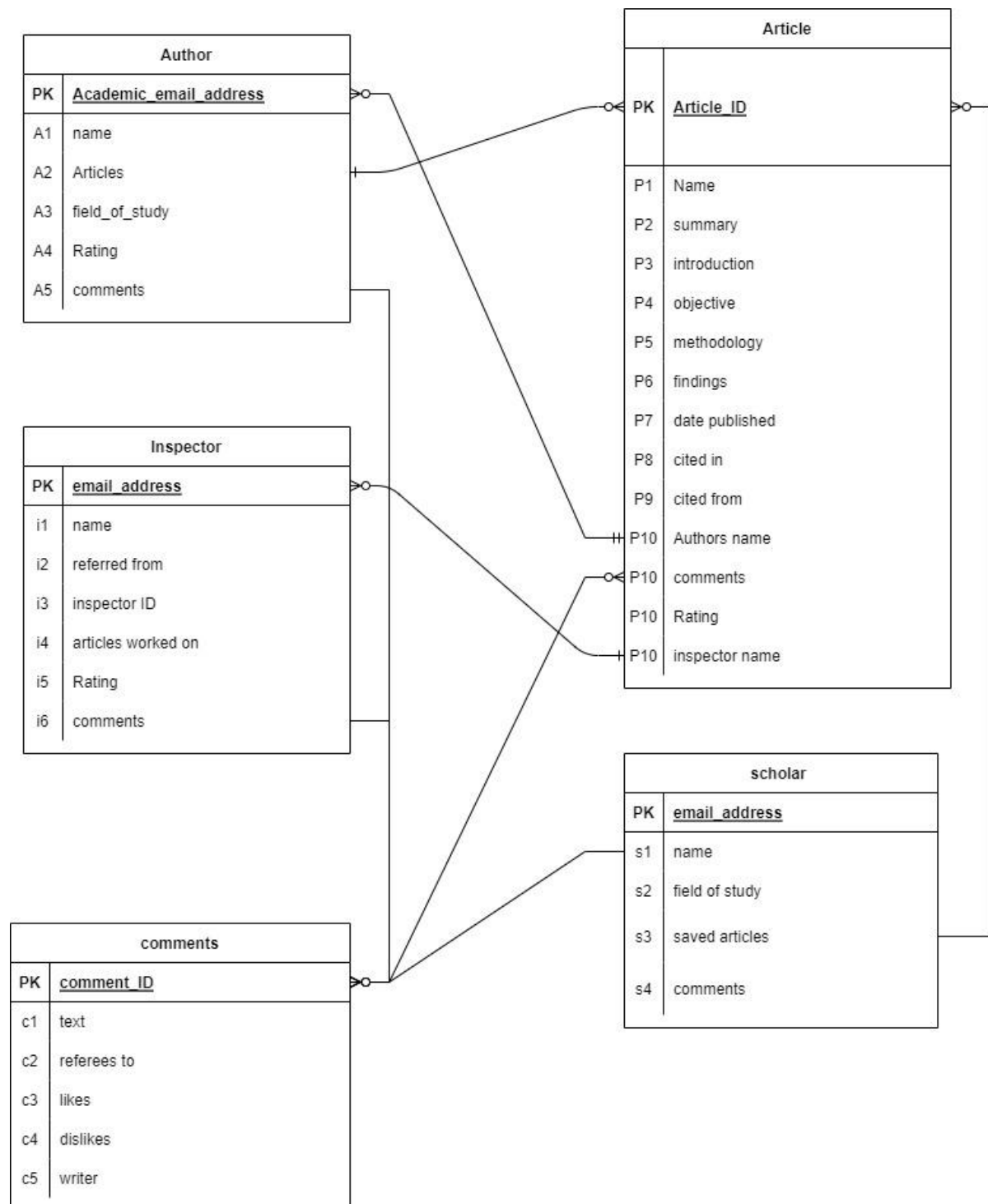
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Introduction

For this assignment, I will write down five or more business rules and ER and four tables of my program database.

Business Rules

1. Only Site members can comment
2. Inspectors should be always be referenced by a current inspector or admin
3. No one is allowed to know the name of Inspectors except for the admin
4. Comments should always refer to something, and if the thing that they are referring to is deleted following comments will automatically be deleted
5. Scholars can become an author or an inspector, but in that case, they have to provide an academic email address and be referred to by a current inspector
6. Inspectors can't rate an article that they wrote
7. The default value for ratings is 3 out of 5, and it can go up or down based on comments, saves likes and dislikes

ER diagram

Author

PK	Academic_email_address
A1	name
A2	Articles
A3	field_of_study
A4	Rating
A5	comments

Article

PK	Article_ID
P1	Name
P2	summary
P3	introduction
P4	objective
P5	methodology
P6	findings
P7	date published
P8	cited in
P9	cited from
P10	Authors name
P10	comments
P10	Rating
P10	inspector name

Inspector

PK	email_address
i1	name
i2	referred from
i3	inspector ID
i4	articles worked on
i5	Rating
i6	comments

scholar

PK	email_address
s1	name
s2	field of study
s3	saved articles
s4	comments

comments

PK	comment_ID
c1	text
c2	referees to
c3	likes
c4	dislikes
c5	writer

Tables

I created the tables using the following code in SQLite. I would appreciate it if you reviewed it.

```
CREATE TABLE "Article" (

    "Article_ID"      INTEGER NOT NULL UNIQUE,

    "ArticleName"     TEXT NOT NULL UNIQUE,

    "Summary" TEXT,

    "Introduction"    TEXT,

    "Objective"       TEXT,

    "Methodology"     TEXT,

    "Findings"        TEXT,

    "DatePublished"   Datetime,

    "CitedIn" TEXT,

    "CitedFrom"       TEXT,

    "AuthorsName"     TEXT,

    "Comments"        TEXT,

    "Rating" REAL DEFAULT 3,

    "InspectorName"   TEXT,

    PRIMARY KEY("Article_ID" AUTOINCREMENT)
);
```

```sql
CREATE TABLE "Author" (

        "Academic_email_address"    String NOT NULL UNIQUE,

        "Name"    TEXT NOT NULL,

        "Articles"          TEXT,

        "FieldOfStudy"      TEXT,

        "Rating" REAL DEFAULT 3,

        "Comments"          TEXT,

        PRIMARY KEY("Academic_email_address")
);
```

```sql
CREATE TABLE "Comments" (

        "CommentID"        INTEGER NOT NULL UNIQUE,

        "Text"    TEXT NOT NULL,

        "ReferesTo"        TEXT NOT NULL,

        "Likes"   INTEGER DEFAULT 0,

        "Dislikes"         INTEGER DEFAULT 0,

        "Writer" TEXT NOT NULL,

        PRIMARY KEY("CommentID" AUTOINCREMENT)
);
```

```
CREATE TABLE "Inspector" (

        "EmailAddress"     String NOT NULL UNIQUE,

        "Name"    TEXT NOT NULL,

        "ReferredFrom"     TEXT NOT NULL,

        "InspectorID"      INTEGER NOT NULL UNIQUE,

        "ArticlesWorkedOn" TEXT,

        "Rating" REAL DEFAULT 3,

        "Comments"         TEXT,

        PRIMARY KEY("EmailAddress")

);
```

```
CREATE TABLE "Scholar" (

        "EmailAddress"     String NOT NULL UNIQUE,

        "Name"    TEXT NOT NULL,

        "FieldOfStudy"     TEXT,

        "SavedArticles"    TEXT,

        "Comments"         TEXT,

        PRIMARY KEY("EmailAddress")

);
```