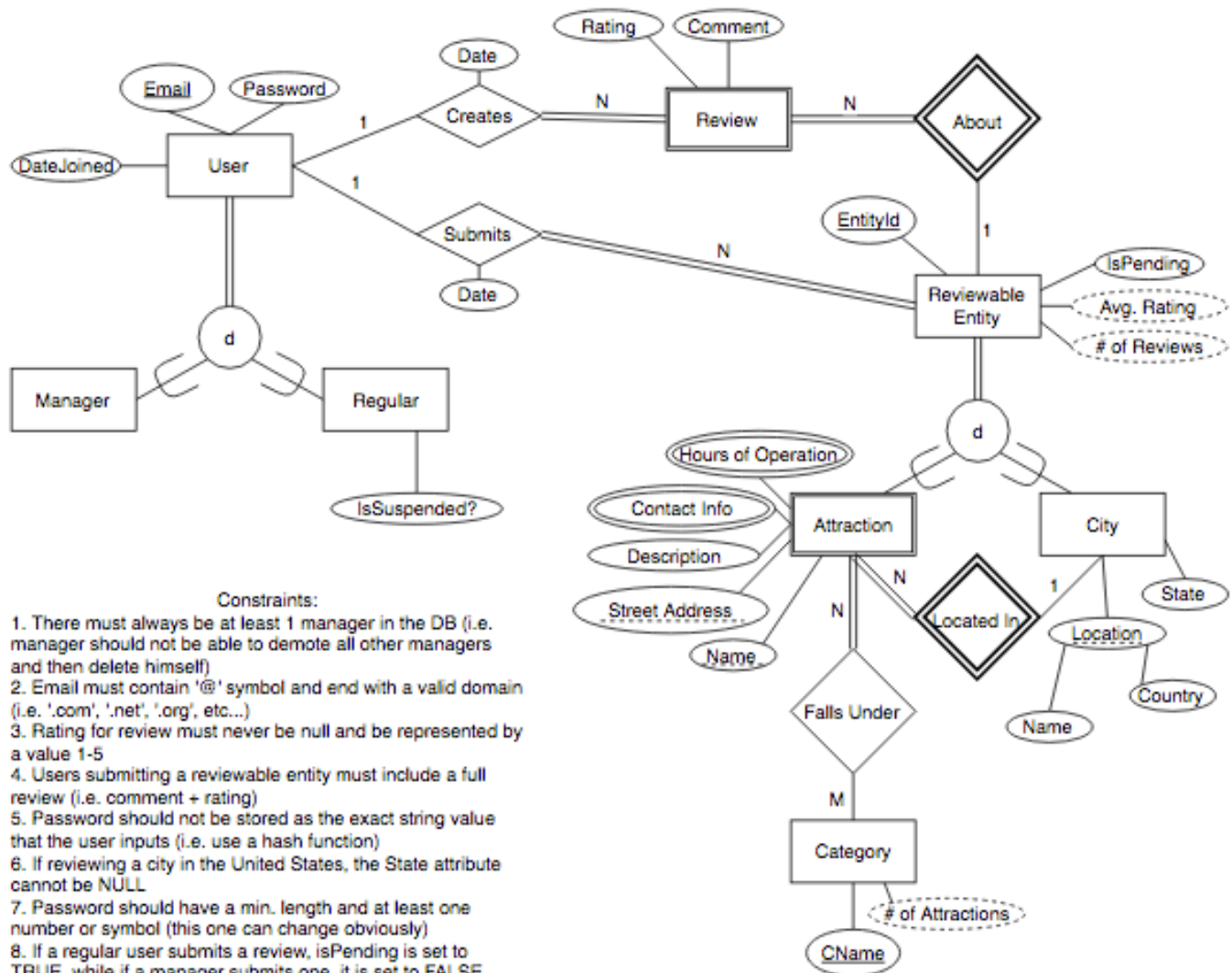


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CS4400 Project Phase 2



App_User

| | | | | |
|--------------|----------|-------------|--------------|------------|
| <u>Email</u> | Password | Date_Joined | is_Suspended | is_Manager |
|--------------|----------|-------------|--------------|------------|

Review

| | | | | |
|-----------------|---------------------|---------|--------|--------------|
| <u>EntityID</u> | <u>Author_Email</u> | Comment | Rating | Date_Created |
|-----------------|---------------------|---------|--------|--------------|

Reviewable_Entity

| | | | | |
|------------------|------------|---------|-----------------|----------------|
| <u>Entity_ID</u> | is_Pending | is_City | Submitter_Email | Date_Submitted |
|------------------|------------|---------|-----------------|----------------|

City

| | | | |
|------------------|----------------|-------|-----------|
| <u>City_Name</u> | <u>Country</u> | State | Entity_ID |
|------------------|----------------|-------|-----------|

Attraction

| | | | | | |
|-----------------------|-------------|-------------|-----------|-------------------------|----------------------------|
| <u>Street_Address</u> | <u>Name</u> | Description | Entity_ID | <u>Parent_City_Name</u> | <u>Parent_City_Country</u> |
|-----------------------|-------------|-------------|-----------|-------------------------|----------------------------|

Attraction_Category_List

| | |
|--------------|------------------|
| <u>CName</u> | <u>Entity_ID</u> |
|--------------|------------------|

Category

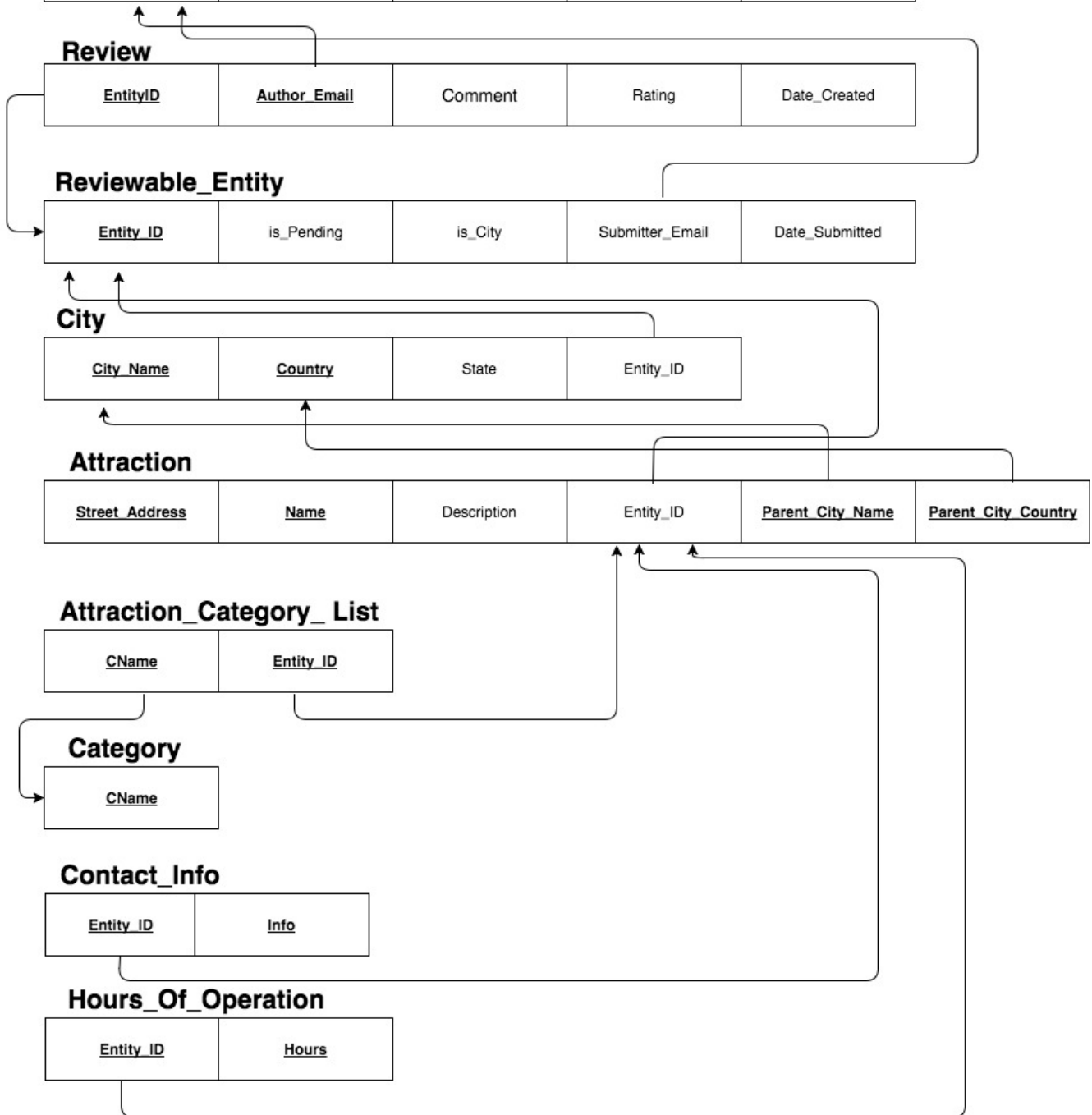
| |
|--------------|
| <u>CName</u> |
|--------------|

Contact_Info

| | |
|------------------|-------------|
| <u>Entity_ID</u> | <u>Info</u> |
|------------------|-------------|

Hours_Of_Operation

| | |
|------------------|--------------|
| <u>Entity_ID</u> | <u>Hours</u> |
|------------------|--------------|



```
CREATE TABLE IF NOT EXISTS Category (  
    category_name varchar(25) NOT NULL,  
    PRIMARY KEY (category_name)  
);
```

```
CREATE TABLE IF NOT EXISTS App_User (  
    email varchar(50) NOT NULL,  
    password varchar(25) NOT NULL,  
    date_joined timestamp DEFAULT CURRENT_TIMESTAMP,  
    is_manager boolean NOT NULL,  
    is_suspended boolean,  
    PRIMARY KEY (email)  
);
```

```
CREATE TABLE IF NOT EXISTS Reviewable_Entity (  
    entity_id varchar(15) NOT NULL,  
    is_Pending boolean NOT NULL,  
    is_City boolean NOT NULL ,  
    submitter_email varchar(50),  
    date_submitted timestamp DEFAULT CURRENT_TIMESTAMP,  
    PRIMARY KEY (entity_id),  
    FOREIGN KEY (submitter_email) REFERENCES App_User (email) ON DELETE SET NULL ON  
UPDATE CASCADE  
);
```

```
CREATE TABLE IF NOT EXISTS Review (  
    entity_id varchar(15) NOT NULL,  
    author_email varchar(50) NOT NULL,  
    comment text,  
    rating integer NOT NULL,  
    date_created timestamp DEFAULT CURRENT_TIMESTAMP,  
    FOREIGN KEY (entity_id) REFERENCES Reviewable_Entity (entity_id) ON DELETE CASCADE,  
    FOREIGN KEY (author_email) REFERENCES App_User (email) ON DELETE CASCADE ON  
UPDATE CASCADE,  
    CONSTRAINT PK_Review PRIMARY KEY (entity_id, author_email)  
);
```

```
CREATE TABLE IF NOT EXISTS City (  
    city_name varchar(25) NOT NULL,  
    country varchar (30) NOT NULL,  
    state varchar (30),  
    entity_id varchar(15) NOT NULL,  
    CONSTRAINT PK_City PRIMARY KEY (city_name, country),  
    FOREIGN KEY (entity_id) REFERENCES Reviewable_Entity (entity_id) ON DELETE CASCADE,  
    UNIQUE (entity_id)  
);
```

```
CREATE TABLE IF NOT EXISTS Attraction (  

```

```
street_address varchar(50) NOT NULL,  
name varchar(25) NOT NULL,  
description text NOT NULL,  
entity_id varchar(15) NOT NULL,  
parent_city_name varchar(25) NOT NULL,  
parent_city_country varchar(30) NOT NULL,  
CONSTRAINT Pk_Attraction PRIMARY KEY (street_address, name, parent_city_name,  
parent_city_country),  
CONSTRAINT Fk_City FOREIGN KEY (parent_city_name, parent_city_country) REFERENCES  
City (city_name, country) ON DELETE CASCADE,  
FOREIGN KEY (entity_id) REFERENCES Reviewable_Entity(entity_id) ON DELETE CASCADE,  
UNIQUE (entity_id)  
);
```

```
CREATE TABLE IF NOT EXISTS Attraction_Category_List (  
c_Name varchar(25) NOT NULL,  
entity_id varchar(15) NOT NULL,  
FOREIGN KEY (c_Name) REFERENCES Category (category_name) ON DELETE CASCADE ON  
UPDATE CASCADE,  
FOREIGN KEY (entity_id) REFERENCES Attraction (entity_id) ON DELETE CASCADE,  
CONSTRAINT Pk_Attraction_Category PRIMARY KEY (c_Name, entity_id)  
);
```

```
CREATE TABLE IF NOT EXISTS Contact_Info (  
entity_id varchar(15) NOT NULL,  
info varchar(100) NOT NULL,  
CONSTRAINT Pk_Contact_Info PRIMARY KEY (entity_id, info),  
FOREIGN KEY (entity_id) REFERENCES Attraction (entity_id) ON DELETE CASCADE  
);
```

```
CREATE TABLE IF NOT EXISTS Hours_Of_Operation (  
entity_id varchar(15) NOT NULL,  
hours varchar(100) NOT NULL,  
FOREIGN KEY (entity_id) REFERENCES Attraction (entity_id) ON DELETE CASCADE,  
CONSTRAINT Pk_Hours PRIMARY KEY (entity_id, hours)  
);
```