CS5200 Practicum1

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5200Praracticum1

Zhaoyi Zhuang | October 22, 2021
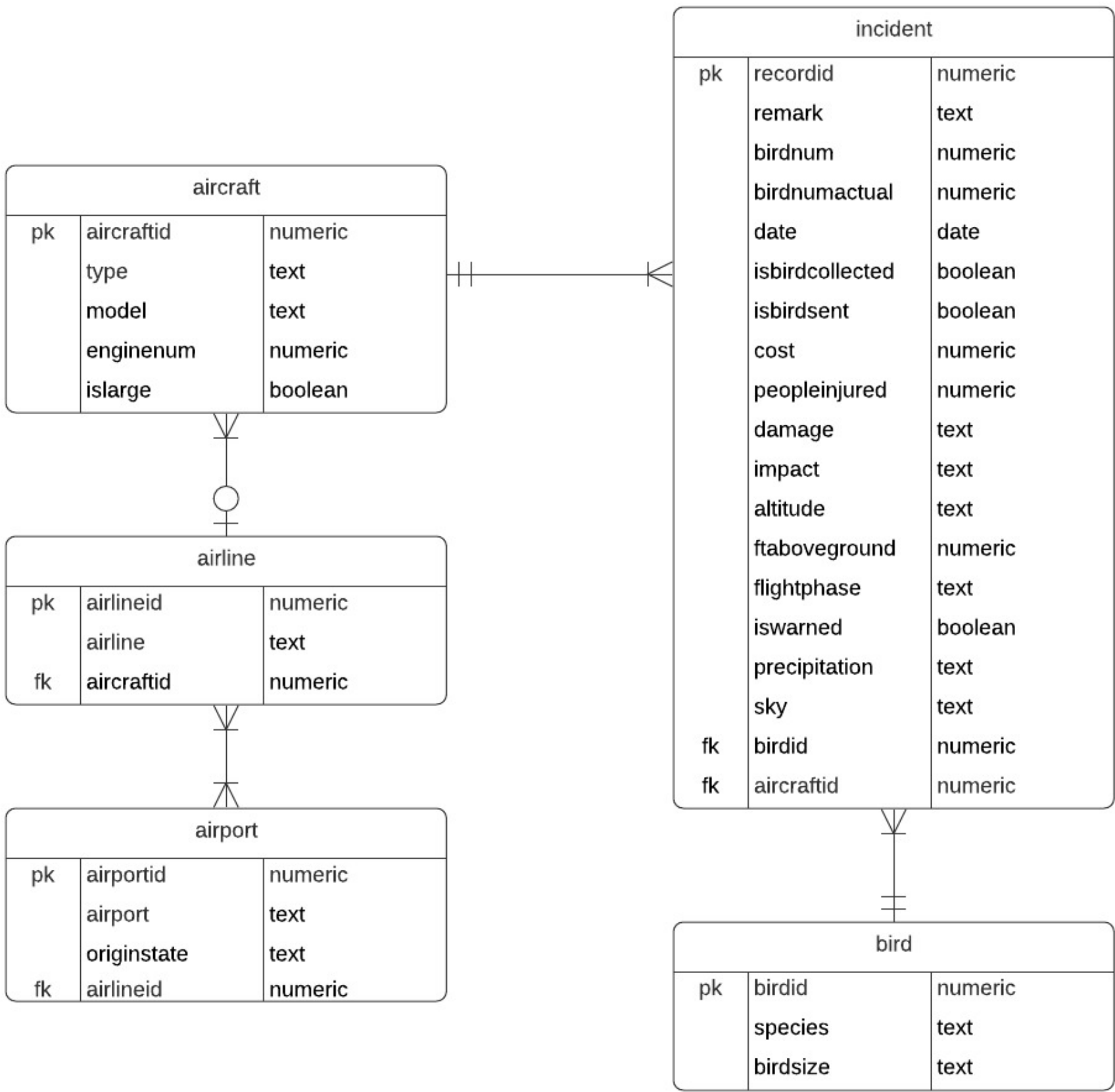
```
[1] TRUE
```
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```
PRAGMA foreign_keys = ON
```
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```
DROP TABLE IF EXISTS airport
```
Hide

```
DROP TABLE IF EXISTS airline
```
Hide

```
DROP TABLE IF EXISTS incident
```
Hide

```
DROP TABLE IF EXISTS bird
```
Hide

```
DROP TABLE IF EXISTS aircraft
```
Hide

```
CREATE TABLE aircraft(
    aircraftid Integer NOT NULL,
    type VARCHAR(250) NOT NULL,
    model VARCGAR(250) NOT NULL,
    engiennum Integer NOT NULL,
    islarge BOOLEAN NOT NULL,
    PRIMARY KEY aircraftid
)
```
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```
CREATE TABLE bird(
    birdid Integer NOT NULL,
    species VARCHAR(250) NOT NULL,
    birdsize VARCHAR(250) NOT NULL,
    PRIMARY KEY birdid
)
```
Hide

```
CREATE TABLE incident(
    recordid Integer NOT NULL,
    remark VARCHAR(1500) NOT NULL,
    birdnum Integer NOT NULL,
    birdnumactual Integer NOT NULL,
    date DATE NOT NULL,
    isbirdcollected BOOLEAN NOT NULL,
    isbirdsent BOOLEAN NOT NULL,
    cost Integer NOT NULL,
    peopleinjured Integer NOT NULL,
    damage VARCHAR(250) NOT NULL,
    impact VARCHAR(250) NOT NULL,
    altitude VARCHAR(250) NOT NULL,
    aboveground Integer NOT NULL,
    flightphase VARCHAR(250) NOT NULL,
    iswarned BOOLEAN NOT NULL,
    percipitation VARCHAR(250) NOT NULL,
    sky VARCHAR(250)  NOT NULL,
    birdid Integer NOT NULL,
    aircraftid Integer NOT NULL,
    PRIMARY KEY recordid,
    FOREIGN KEY birdid REFERENCES bird(birdid),
    FOREIGN KEY aircraftid REFERENCES aircraft(aircraftid)
)
```
Hide

```
CREATE TABLE airline(
    airlineid Integer NOT NULL,
    airline VARCHAR(250) NOT NULL,
    aircraftid VARCHAR(250) NOT NUL,
    PRIMARY KEY airlineid,
    FOREIGN KEY aircraftid REFERENCES aircraft(aircraftid)
)
```
Hide

```
CREATE TABLE airpoort(
    airportid Integer NOT NULL,
    airport VARCHAR(250) NOT NULL,
    originstate VARCHAR(250) NOT NULL,
    airlineid Integer NOT NULL,
    PRIMARY KEY airportid,
    FOREIGN KEY airlineid REFERENCES airline(airlineid)
)
```