

CS 327E Final Project

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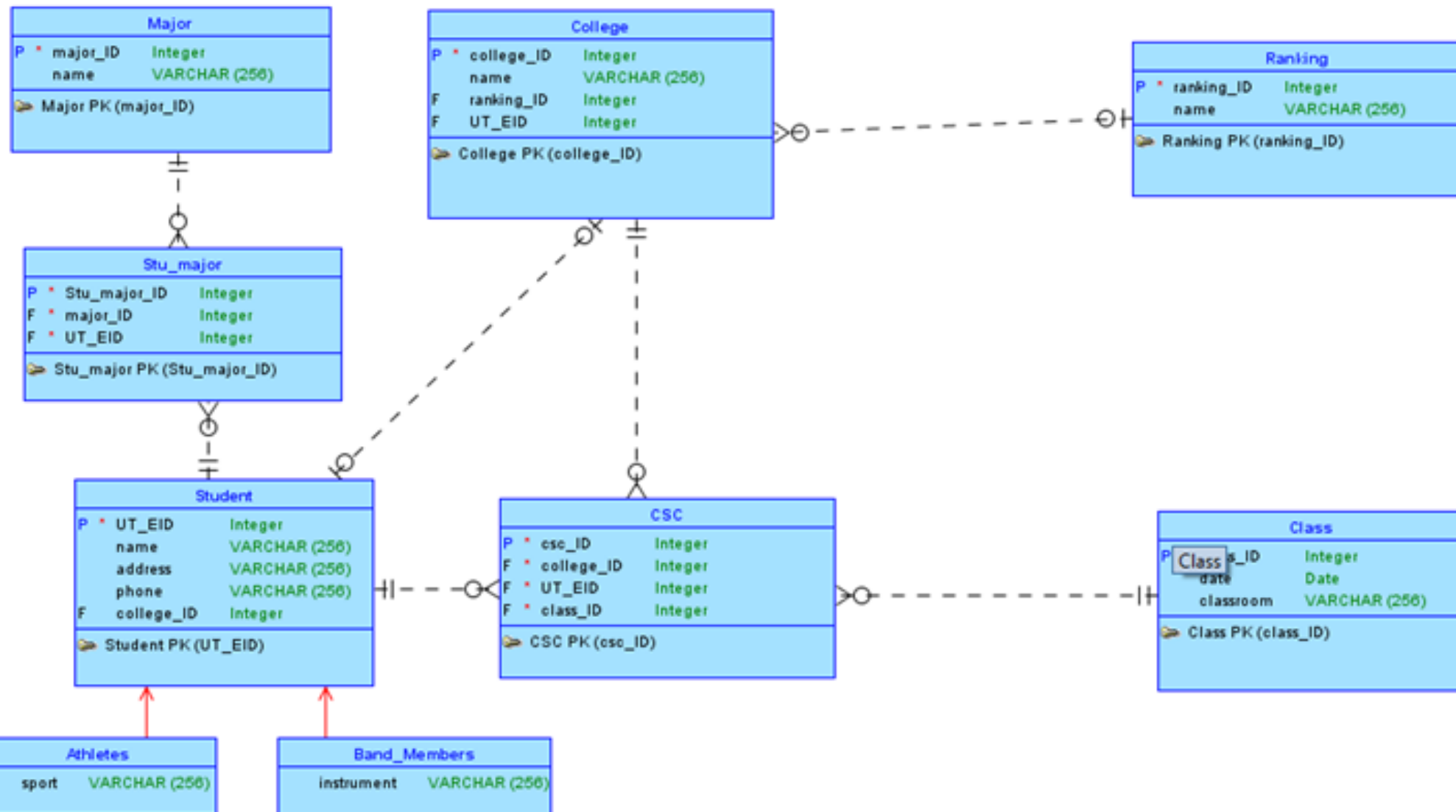
Robert Rodriguez

Project Model – Law Firm

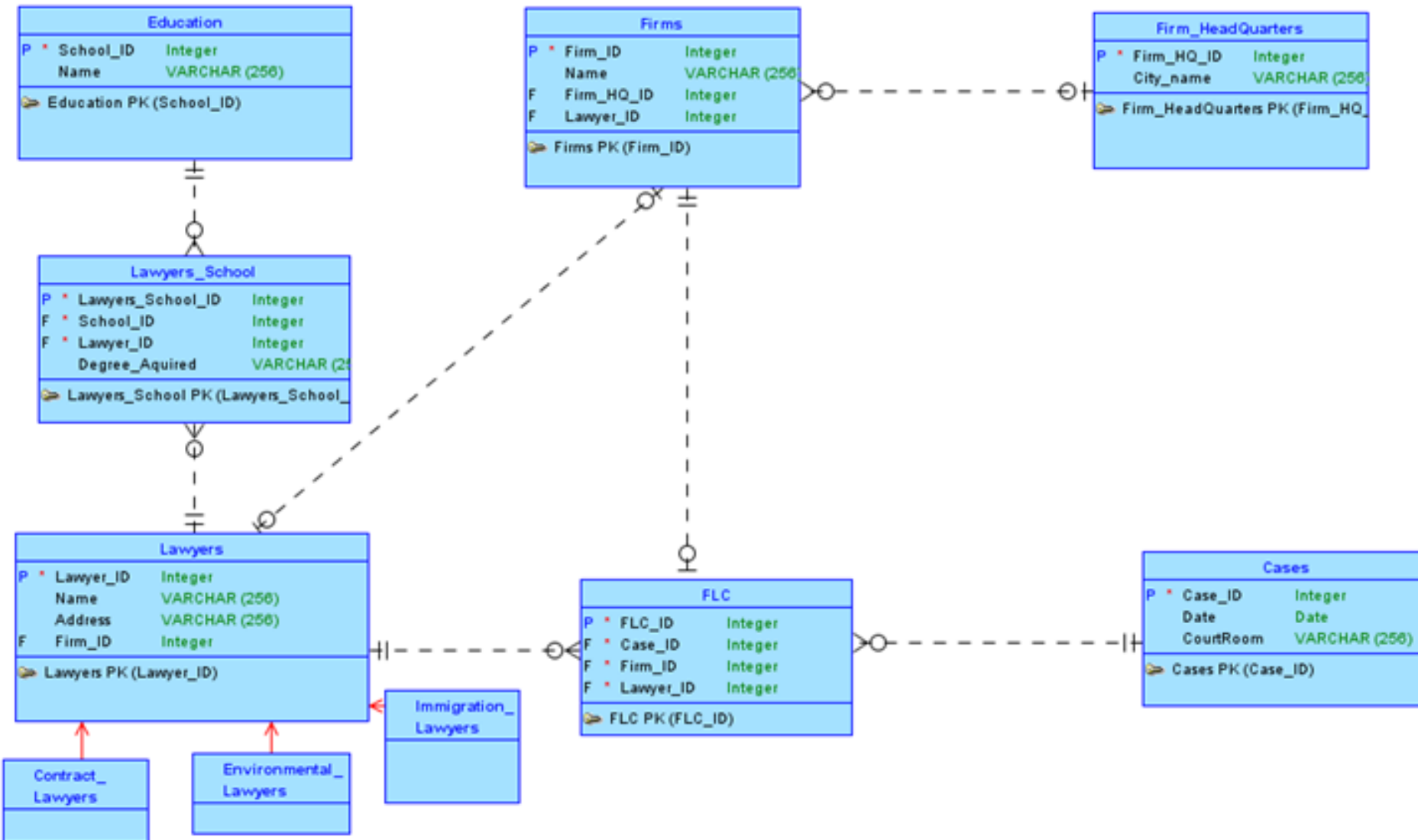
Our database will be simulating a law firm that is able to keep records of lawyers, cases and firms located in different cities.

Info included is their firm locations, lawyer degrees, case locations, case dates etc.

Old Logical Model



New Logical Model



Sample of View/Triggers DDL File

```
drop view Laywer_view ;
drop view Immigration_view ;
drop view Bankruptcy_view ;

create view Laywer_view as
SELECT
    Laywer_ID,
    type,
    name,
    address
FROM Laywer;

create or replace TRIGGER Laywer_trigger
    INSTEAD OF insert ON Laywer_view
    FOR EACH ROW
BEGIN
    insert into Laywer(
        Laywer_ID,
        type,
        name,
        address)
VALUES (
    :NEW.Laywer_ID,
    'Laywer',
    :NEW.name,
    :NEW.address) ;

END;
/
```

Sample of DML File

```
ALTER TABLE Lawyers_Edu disable CONSTRAINT Relation_10;
```

```
ALTER TABLE FLC disable CONSTRAINT RelationN_11;
```

```
ALTER TABLE FLC disable CONSTRAINT RelationN_12;
```

```
ALTER TABLE FLC disable CONSTRAINT RelationN_13;
```

```
ALTER TABLE Firm disable CONSTRAINT RelationN_5;
```

```
ALTER TABLE Lawyers_Edu disable CONSTRAINT RelationN_9;
```

```
truncate table FLC;
```

```
truncate table Cases;
```

```
truncate table Firm;
```

```
truncate table School;
```

```
truncate table Firm_Headquarters;
```

```
truncate table Lawyers_Edu;
```

```
truncate table Lawyers;
```

```
insert into FLC(FLC_ID, Firm_ID, Lawyer_ID, Case_ID)  
values(1, 2, 1, 1);
```

```
insert into FLC(FLC_ID, Firm_ID, Lawyer_ID, Case_ID)
```

Ternary Relationship Select Lists – FLC table (SQL)

List of Values: LAWYERS FILTERED

Cancel

Delete

Apply Changes

Show All

Name

Refresh

Subscription

Source: Lists of Values Query

This is the "master" copy of this List of Values.

No Lists of Values subscribe to this List of Values.

Source: Lists of Values Query

Query ?

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```
1 select name as d,
2     Lawyer_ID as r
3   from Lawyers
4  where Lawyer_ID not in (select Lawyer_ID from FLC where Firm_id = :P21_Firm_ID)
5     order by 1
```

Ternary Relationship Select Lists – FLC table (Cases Page)

Case Id

Date

Courtroom

Edit

Edit

Edit

Edit

Q

Edit

Edit

Form on FLC

Firm Id *

Golden Sax

Lawyer Id *

Donald Trompas

Case Id *

Marbury v. Madison, U.S. Supreme Court

NFL v. Union, U.S. District Court

Plessy v. Ferguson, U.S. Circuit of Appeals

Roe v. Wade, U.S. Supreme Court

1 - 4

Create

	FLC Id	Firm	Lawyer	Case Id
Edit	2	Rocket Power	Tom Brady	Roe v. Wade, U.S. Supreme Court
Edit	1	Golden Sax	Justin Bieber	Roe v. Wade, U.S. Supreme Court

1 - 2

Formatted Classic Region

The screenshot displays a software interface with a sidebar on the left containing a tree view of data categories: Attributes, Education, Columns, Attributes, Universities Attended by L, Columns, Attributes, Types of Lawyers, Attributes, and Series. The main area is divided into two sections. The top section, titled 'Code Editor - SQL Query', contains a text editor with the following SQL query:

```
1 select Lawyer_ID, name, address, type
2 from Lawyers
3 where type = 'Bankruptcy'
```

The bottom section, titled 'Formatted Classic Report Region', displays a table with the following data:

Lawyer Id	Name	Address	Type
3	Kevin Durant	904 Golden State Rd	Bankruptcy
1	Tom Brady	1109 New England Rd	Bankruptcy

Below the table, the text '1 - 2' is visible. On the right side of the interface, there is a 'Formatted Classic Report F' section with a 'Classic Report' dropdown menu and a 'Yes No' button.

Chart – (SQL)

The screenshot displays a software interface with a sidebar on the left and a main workspace. The sidebar contains a tree view with the following structure:

- Regions
 - Content Body
 - Cases
 - Columns
 - Attributes
 - FLC
 - Columns
 - Attributes
 - Court Cases
 - Attributes
 - Series
 - New
- Buttons
 - Cases
 - CREATE

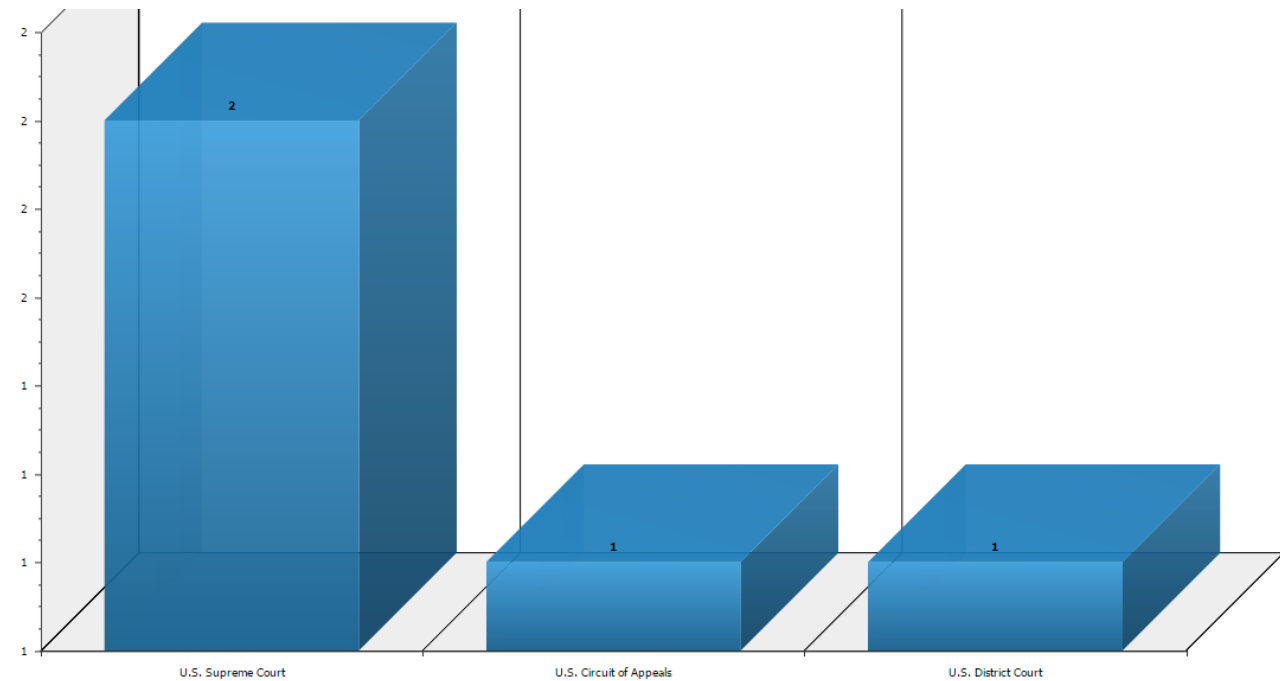
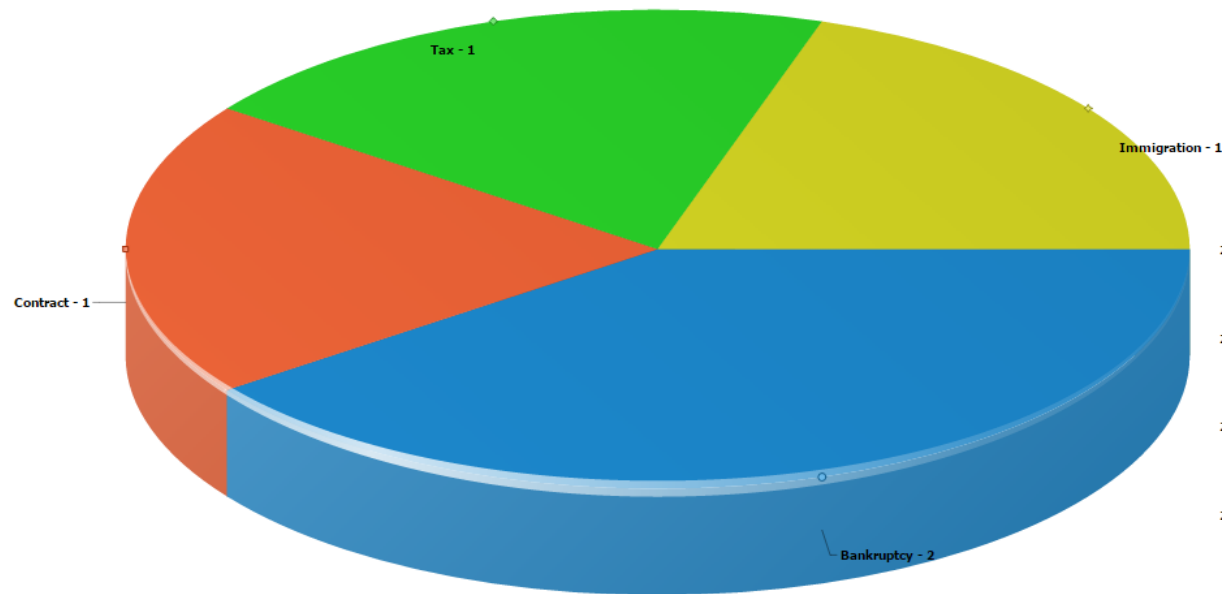
The main workspace features a top navigation bar with tabs: Grid Layout, Messages, Page Search, Help, and Series. A 'Code Editor - SQL Query' dialog box is open in the center, containing the following SQL query:

```
1 select null, courtroom, count(*) as Sportcount
2 from Cases
3 group by courtroom
4 order by Sportcount desc
```

The dialog box has a toolbar with icons for undo, redo, search, and other editing functions. At the bottom right of the dialog are 'Cancel' and 'OK' buttons.





Chart

Types of Lawyers



Master Detail Report

CASES

Case Id	Date	Courtroom	Name
	16-AUG-16	U.S. Circuit of Appeals	Plessy v. Ferguson
	21-DEC-16	U.S. Supreme Court	Marbury v. Madison
	15-NOV-16	U.S. District Court	NFL v. Union
	01-OCT-15	U.S. Supreme Court	Roe v. Wade

Questions or Concerns