



Figure 1 : Graph of books and journals

SQL:

-- Table for Books

```
CREATE TABLE Books (
    DOI Number VARCHAR(20) PRIMARY KEY,
    Title VARCHAR(255),
    Author VARCHAR(255),
```

```
Category VARCHAR(50)
);
```

-- Table for Journals

```
CREATE TABLE Journals (
    DOINumber VARCHAR(20) PRIMARY KEY,
    Title VARCHAR(255),
    Category VARCHAR(50)
);
```

-- Inserting Books Data

```
INSERT INTO Books (DOINumber, Title, Author, Category) VALUES
('978-3030', 'Mai ve Siyah', 'Halit Ziya Uşaklıgil', 'Novel'),
('978-6057', 'Kaşığı', 'Ömer Seyfettin', 'Story'),
('978-6254', 'Üvercinka', 'Cemal Süreya', 'Poem'),
('878-056', 'Economic Growth', 'Doğancan Sevinir', 'Essays'),
('192-3777', 'Leonardo da Vinci', 'Walter Isaacson', 'Biography/Autobiography'),
('978-0397', 'Mental Health', 'Connie Lillas', 'Self-help'),
('978-6251', 'Genel Histoloji', 'Mukaddes Mukaddes', 'History');
```

-- Inserting Journals Data

```
INSERT INTO Journals (DOINumber, Title, Category) VALUES
('1309-7815', 'Atılım Haber Dergi', 'News Journals'),
('1305-4686', 'Limon Dergisi', 'Science Journals'),
('1309-1302', 'Kaos GL Dergi', 'Popular Culture Journals'),
('1300-6621', 'Liability for AI', 'Academic Journals');
```

-- Example of In-scope

```
INSERT INTO Journals (DOINumber, Title, Category) VALUES  
( '978-6057', 'Kaşığı', 'Ömer Seyfettin', 'Story'),  
( '0000-1111', 'Art Review', 'Art and Literature Journals');
```

-- Out-of-scope Processes

```
CREATE TABLE Processes (  
    ProcessID INT PRIMARY KEY AUTO_INCREMENT,  
    Description VARCHAR(255),  
    Scope VARCHAR(20)  
);
```

```
INSERT INTO Processes (Description, Scope) VALUES  
( 'Providing the requested books by the relevant institutions.', 'Out-of-scope'),  
( 'Making the requested books available.', 'Out-of-scope');
```

Report:

First, we identified the in-scope and out-scope parts of our project, then prioritized the in-scope parts and started working with an equal distribution in the project. We began by obtaining a list of monthly requested books and journal requests from the Kadriye Zaim library. Since this list was long, we needed to sort it, and the best choice for us was quick-sorting. As we could now easily manage the book and journal requests, we categorized them by type. At this stage, the DOI numbers, which are unique values specific to them, served as our 'PRIMARY KEY.' Then, as shown in Figure 1, we created a graph of all these works. Our final step was to write this in SQL.