

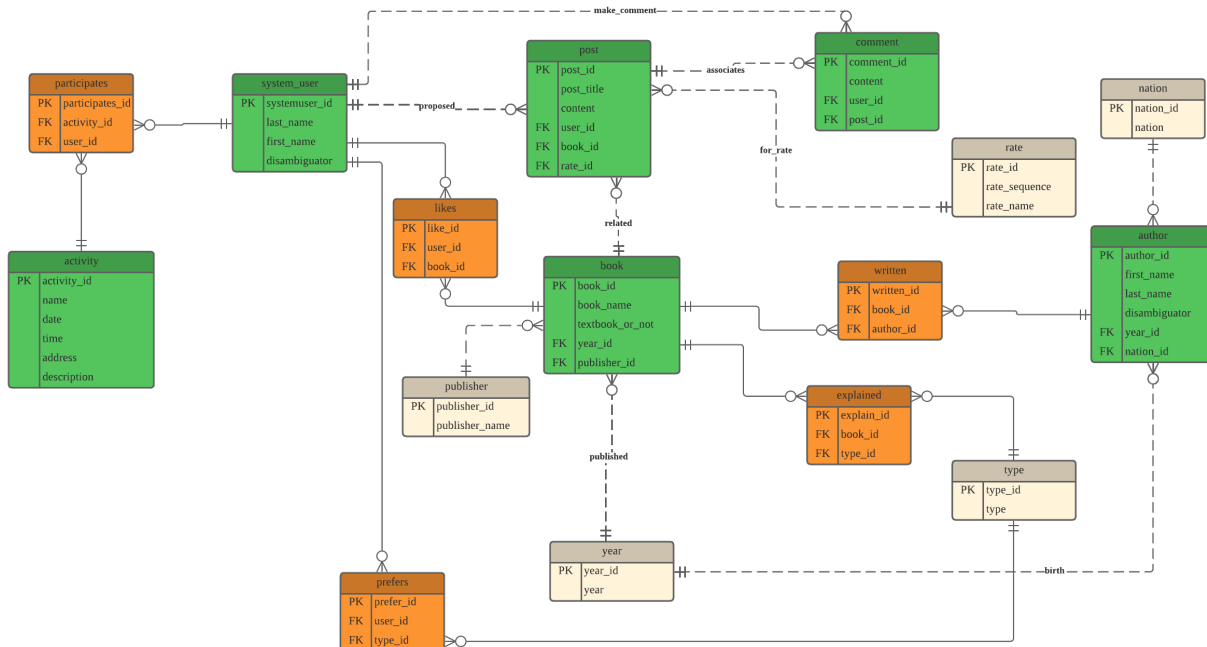
BookCOM

About

BookCOM is a web application in Django. It is intended for residents of Champaign-Urbana (including UIUC students, faculty, staff, visiting scholars, etc.).

Users can post their book-review, comment on other people's posts, add authors and books to their favorites and participate in activities held by the organizers.

Logical Database Design



Authentication and Permissions Scheme

BookCOM includes four kinds of user groups – User, Activity scheduler, Info manager and Super user.

User – they are just people who are allowed to view the data in the system. They can add, change, and delete **Book, Author, Post, Comment, Participate, Explain, Write, Like** and **Prefer**.

Activity scheduler – they are going to be people who create and schedule activities. They can add, change, and delete the **Activity**.

Info manager – they are able to add, change and delete **Year, Nation, Publisher, Type, Rate, Book, Author, Explain, and Write**. Also, they can delete **Post** and **Comment**.

SuperUser – they can do anything.

Permission/Group	User	Activity scheduler	Info manager	SuperUser
Year				
View	X	X	X	X
Add			X	X
Change			X	X
Delete			X	X
Nation				
View	X	X	X	X
Add			X	X
Change			X	X
Delete			X	X
Publisher				
View	X	X	X	X
Add			X	X
Change			X	X
Delete			X	X
Type				
View	X	X	X	X
Add			X	X
Change			X	X
Delete			X	X
Rate				
View	X	X	X	X
Add			X	X
Change			X	X
Delete			X	X
SystemUser				
View		X	X	X
Add				X
Change				X
Delete				X

Book				
View	X	X	X	X
Add	X		X	X
Change	X		X	X
Delete	X		X	X
Author				
View	X	X	X	X
Add	X		X	X
Change	X		X	X
Delete	X		X	X
Explain				
View	X	X	X	X
Add	X		X	X
Change	X		X	X
Delete	X		X	X
Write				
View	X	X	X	X
Add	X		X	X
Change	X		X	X
Delete	X		X	X
Like				
View	X			X
Add	X			X
Change	X			X
Delete	X			X
Prefer				
View	X			X
Add	X			X
Change	X			X
Delete	X			X
Post				
View	X	X	X	X
Add	X			X

Change	X			X
Delete	X		X	X
Comment				
View	X	X	X	X
Add	X			X
Change	X			X
Delete	X		X	X
Activity				
View	X	X	X	X
Add		X		X
Change		X		X
Delete		X		X
Participate				
View	X	X	X	X
Add	X			X
Change	X			X
Delete	X			X

Lists of user IDs and passwords

Username/Group	Password	Active	Staff	Superuser	User	Activity scheduler	Info manager
tester	{iSchoolUI}	X	X	X			
sysadmin	{iSchoolUI}	X	X	X			
bookuser	{iSchoolUI}	X	X		X		
activitiescheduler	{iSchoolUI}	X	X			X	
manager	{iSchoolUI}	X	X				X
nonregistrar	{iSchoolUI}	X	X				

Virtual Environment

Please read requirements.txt file to obtain detail message about virtual environment for this project.