Question 3 Schema

Assumptions:

- The pages attribute takes the offset into account
- The library can only exist if there are books added to the database or books are uploaded by a user
- A fake_books is an instance of user's books that are both accessed and uploaded
- An uploaded book can only be accessed by the user who uploaded it (stored in fake_books)

Users					
<u>Id</u>	Passwor	<u>Password</u>			<u>Fake books</u>
	•		1		
Library					
Fake books	<u>ld</u>		<u>Password</u>		<u>Index</u>
	<u>.</u>				
Songs					
<u>Index</u>	Pages		Book_code		Fake_books
Books					
Book code	<u>Title</u> Pub		isher Composer		Index

Foreign Keys:

Table <u>attribute</u> -> table <u>attribute</u>

Users Fake books -> Library Fake books

Library <u>Id</u> -> Users <u>Id</u>
Library <u>Password</u> -> Users <u>Password</u>
Library <u>Index</u> -> Songs <u>Index</u>

Songs Fake books -> Library Fake books
Songs Book code -> Books Book code

Books Index -> Songs Index