# Recommended Indexes Reasoning

## Diagram 1 (Book Information)

1. The Foreign Keys Should be indexed due to joins.
2. Title seems pretty obvious people are most likely going to search for a book by its name.
3. The Author’s first and last would mostly be queried offend to find the books the author wrote.
4. Category column might also be queried often. People might want a book based on what category(s) the book is part of.

## Diagram 2(Downloads)

1. FK due to the joins again.
2. Email due to data bases like this one usually do not use first and last name to ID someone but their email as a username. This will cause a many where clauses to use the email more often than the names columns.
3. ProductName might be queried often in the where cause to see how many times a product has been downloaded.