



# Weekly Assignments and SQL Project

Book	Author	Themes	Qualities
The Lord Of The Rings: The Fellowship of the Ring	J.R.R. Tolkien	fantasy, heroism, magic, sorcery, evil, adventure, heroism, quest	popular, entertaining, enjoyable, thrilling, adventurous, moral
The Lord Of The Rings: The Two Towers	J.R.R. Tolkien	fantasy, heroism, magic, sorcery, evil, adventure, heroism, quest	popular, entertaining, enjoyable, thrilling, adventurous, moral
The Lord Of The Rings: Return of the King	J.R.R. Tolkien	fantasy, heroism, magic, sorcery, evil, adventure, heroism, quest	popular, entertaining, enjoyable, thrilling, adventurous, moral
Pride And Prejudice	Jane Austen	society, nobility, marriage, courtship, dating, relationships	subtle, intelligent, sharp, respectable, elegant
To Kill A Mockingbird	Harper Lee	racism, segregation, law, court	classy, feminine, sophisticated, refined
Nineteen Eighty-Four	George Orwell	totalitarianism, oppression, dystopia, future, socialism	intelligent, interesting, sharp, political, compassionate, sympathetic, ethical, sentimental

**We will work with this file of book data  
(for your assignments and your project)**

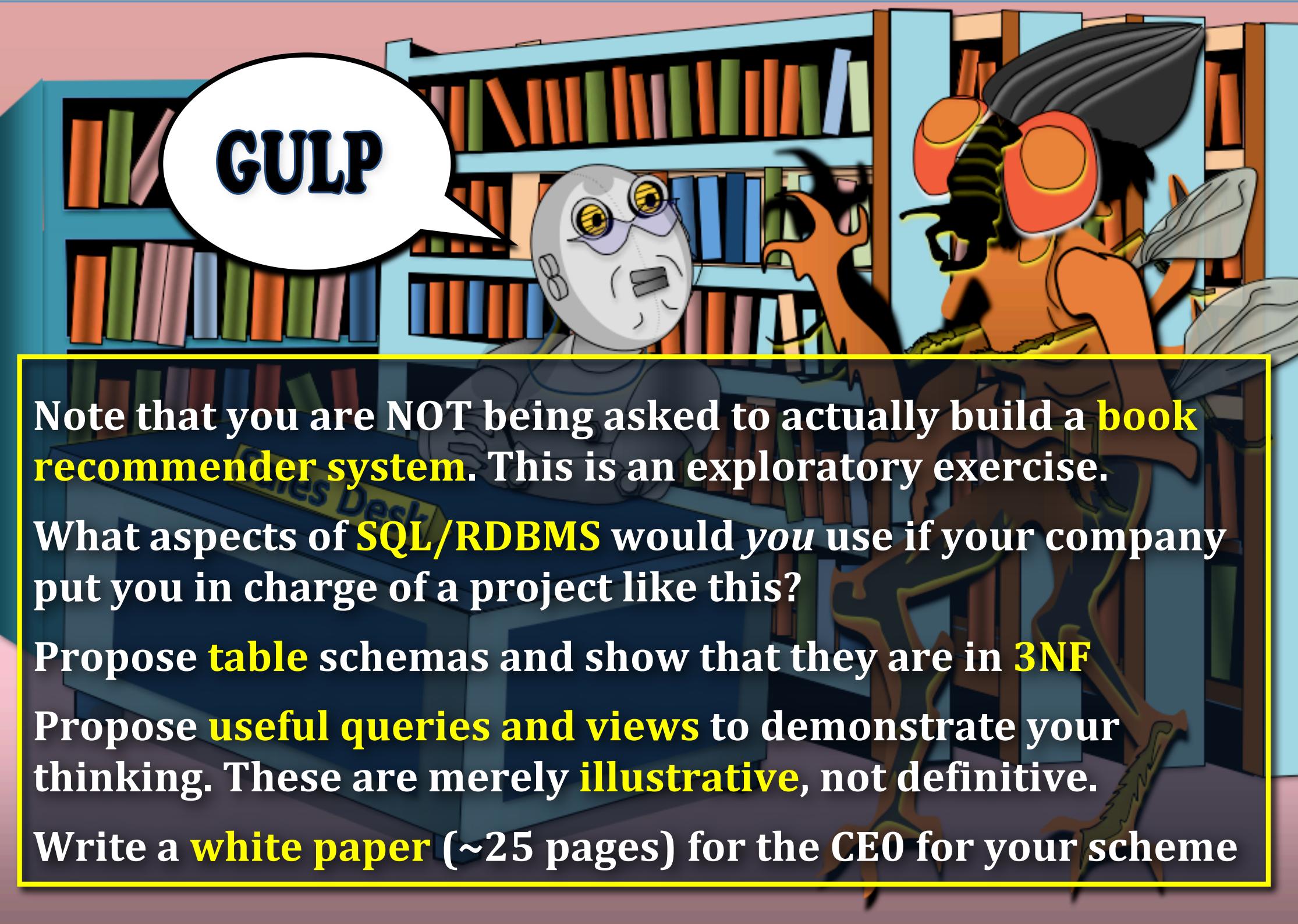
# *Mission: Project*

Imagine your database of books was used as the basis of a **book recommender system**.

What **tables** would you need to add to track the reading and purchase history of readers? Would you track ratings too?

What **views** would you create onto the data to reveal reader similarities, preferences and potential likes/dislikes?

What **queries** would you write to produce meaningful data for use in generating book recommendations?



**GULP**

Note that you are NOT being asked to actually build a **book recommender system**. This is an exploratory exercise.

What aspects of **SQL/RDBMS** would you use if your company put you in charge of a project like this?

Propose **table schemas** and show that they are in **3NF**

Propose **useful queries and views** to demonstrate your thinking. These are merely **illustrative**, not definitive.

Write a **white paper** (~25 pages) for the CEO for your scheme