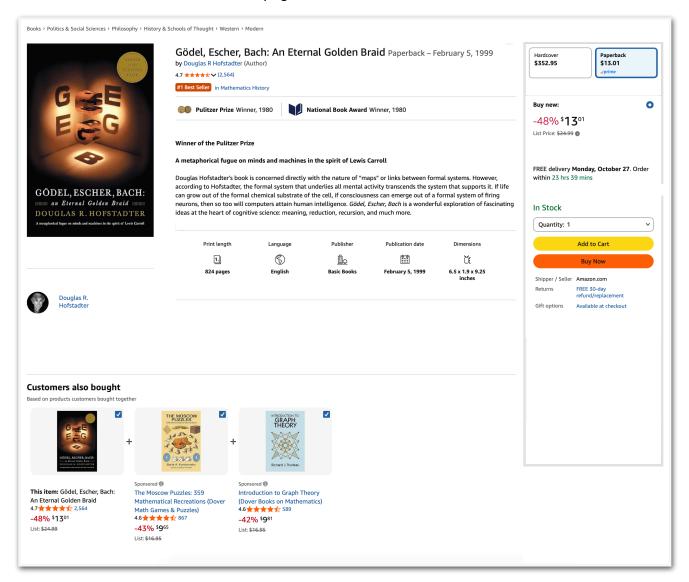
The deliverables defined below are due at 9:30 a.m. (the beginning of class) on Tuesday, October 28. Students will receive 20 points off for every hour that they are late in turning in their work.

Everyone must work alone and without help from others or Al.

Consider the following screenshot of the <u>amazon.com</u> product page for a book titled *Gödel, Escher, Bach: An Eternal Golden Braid.* Note: some information on the page has been removed.



Design a set of collections, using appropriate design patterns, that are necessary to support an online store that sells books (and only books). The collections should allow a user to search for books and efficiently retrieve product pages containing **all** of the information displayed in the screenshot. You do not need to provide data in collections that is not displayed in the screenshot (e.g. user information).

Write source code that creates Mongoose models (models require schema) for each of the collections in the set you've designed. Your source code should compile.

Write a report that describes your rationale for the design patterns that you've incorporated in your schema.

Staple together a coversheet, a hard copy of your report, and your source code. Hand in at 9:30 a.m. on Tuesday, October 28.