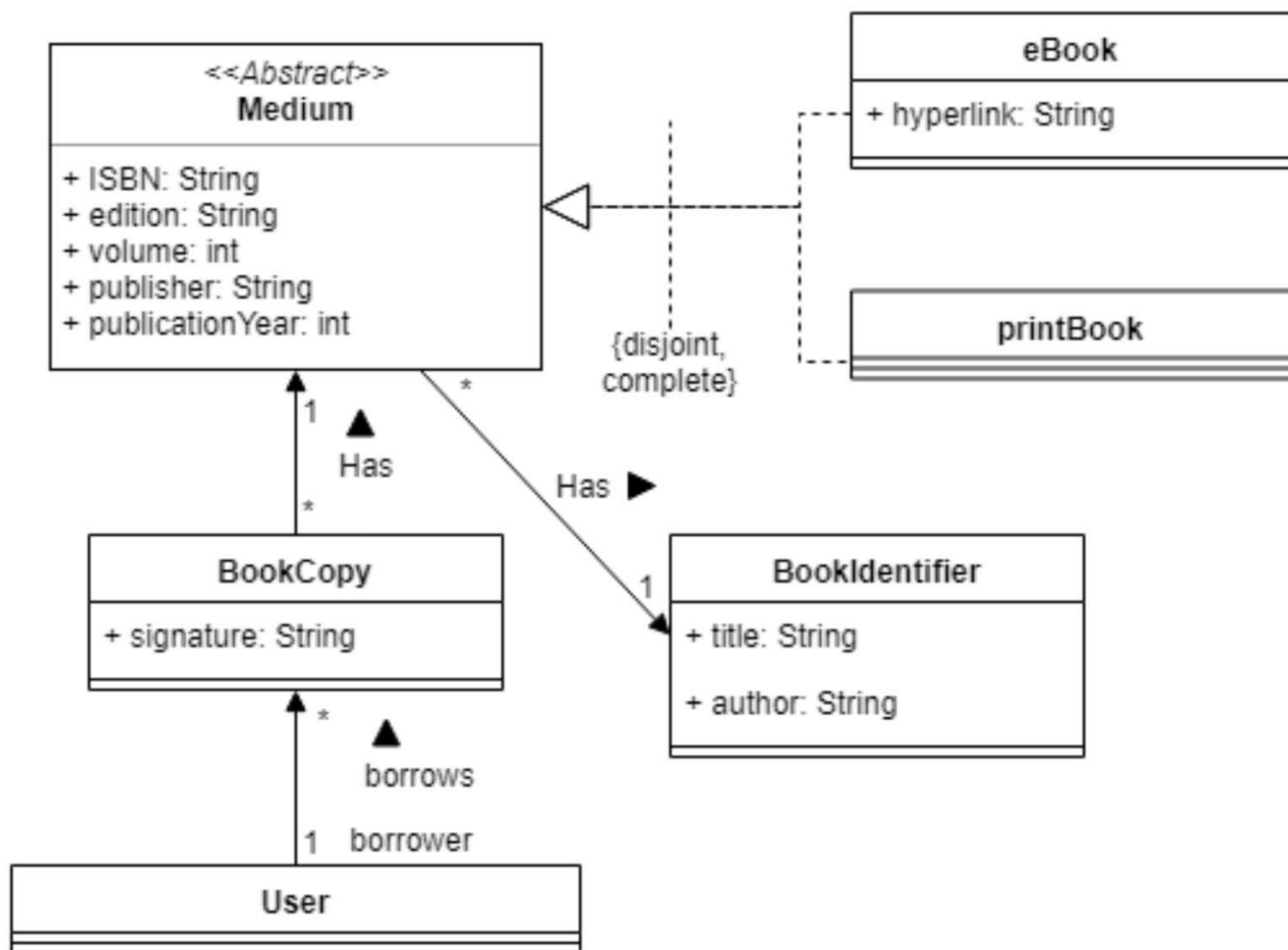


## Task 1

Class Diagram:  
Library System



A book can be uniquely identified by the title and author, but different forms of the book can have different ISBN-numbers, editions, volumes, publishers, and year of publication. Differences in publisher are likely due to a new company buying the rights to an older book. Year of publication will likely correspond to edition differences. ISBN-numbers are different for books published on differing media types, such as hard cover and soft cover books, and pdfs. The difference in ISBN-number is insufficient reason to give hard cover and soft cover books separate classes. Volume is assumed to mean the sequence identifier, such as what an encyclopedia uses, not the physical space usage.