

CS6360 Spring 2021

Assignment 3

Student: Kaden Tran

NetID: stt032000

Define at least one field that is not a primary key that will require an index:

For the member relation, I choose to index the MemberNumber field. The faculty and student relation connects with member relation via MemberNumber.

Indexing the MemberNumber would allow for quicker member search. It also allows faster runtime for query that join between these relations.

Subclass/superclass relationship

In my diagram, the member is the super class of faculty and student. The book, cdDvD, magazine are the subclasses of item.

