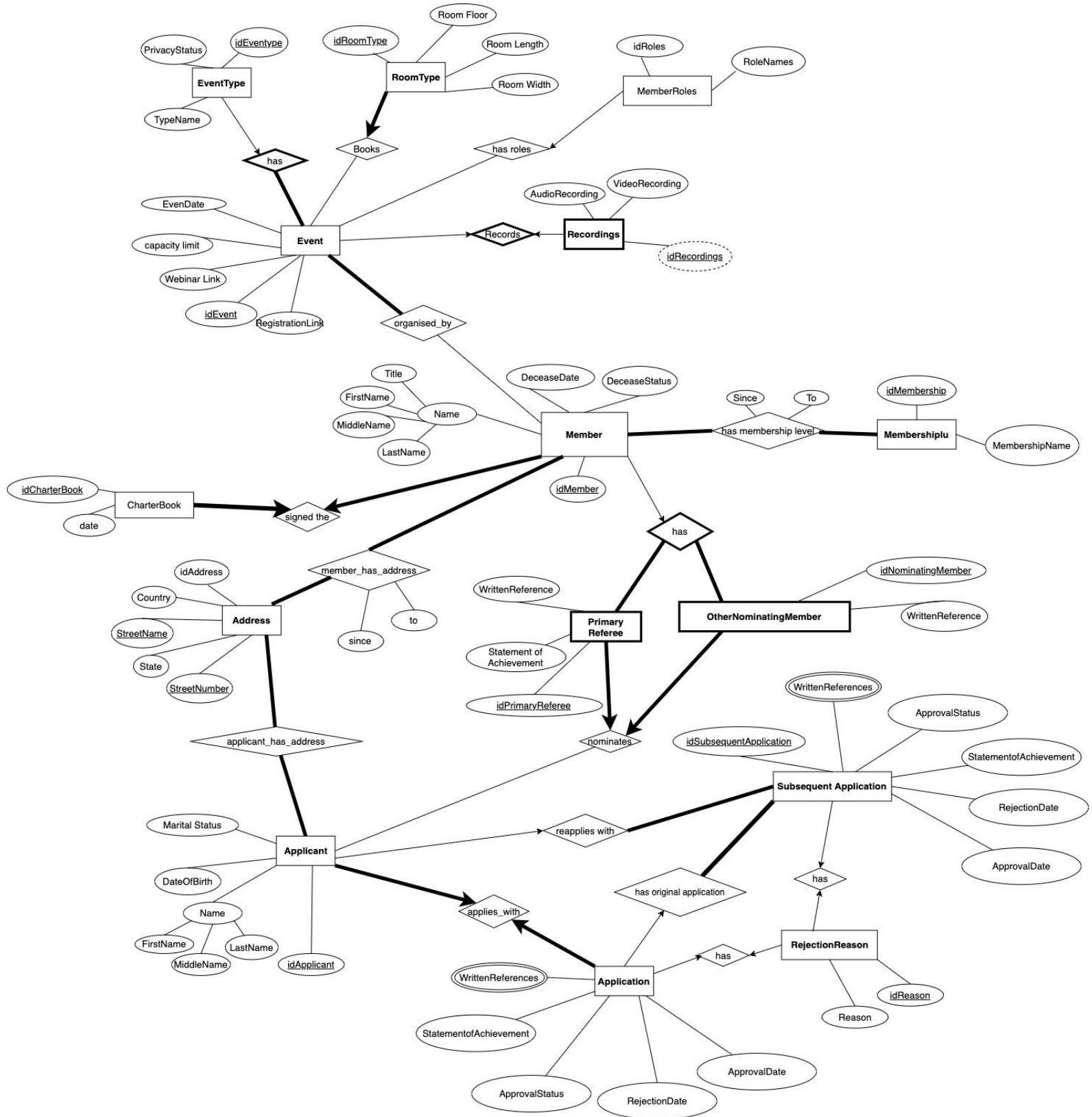
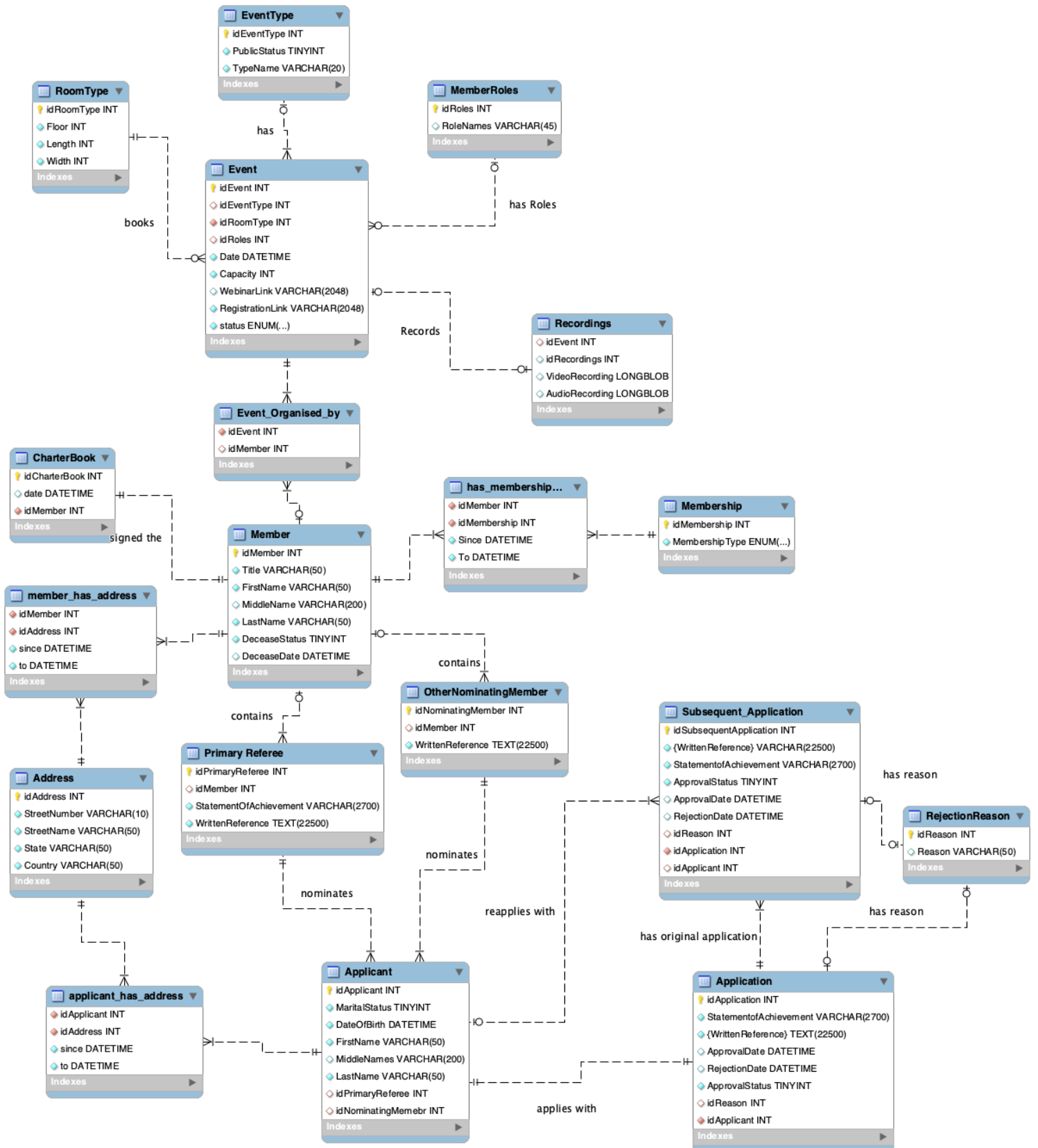


Conceptual Model of Assignment 1:



Physical Model of Assignment 1:



Assumptions:

- assumed the average word length would be 9 characters, hence the varchar(2700) and text(22500) for the Statement of Achievement and Written Reference.
- The longest state name (State of Rhode Island and Providence Plantations: 48 characters) and the longest country name (United Kingdom of Great Britain and Northern Ireland: 52 characters). Hence the varchar(50) and varchar(50) for street name and country for entity 'Address'.
- Web search indicated the maximum length of a URL is 2048 characters. Hence the Links are both varchar(2048) in entity 'Event'
- Assumed there are infinitely many event types, room types and Member Roles. Hence, they are made into a lookup list.
- Assumed that the general format of the address is : Street number, Street name, City, State, Country.
- Assumed that the middle names may not be a single word, hence the varchar(200).
- Assumed that the Charter Book is signed by every member of the Royal Society (since its beginning)
- Assumed there to be infinite amount of Rejection Reasons (it will keep updating)
- Assumed that the applicants can put in infinite amount of Applications as long as they have a five year gap between each one.