Review:

Moten’s E/R diagram.

The relationship of “Person” and “Room/Location” suggests that any person can book, this should only be allowed for member.

Otherwise, Ok.

Suen’s E/R diagram.

“Room” has “Properties” should be an identifying relationship.

Primary keys not marked.

Multiplicity missing.

Member should maybe be a weak entity.

Yevhen´s E/R diagram

“Room” has two parents.

Overkill of relations.

Associated entity should have.

Our new E/R diagram.

Solution reasoning.

1. We chose an associative entity for members because it associates persons and society that is needed for the reservations.
2. We chose weak entity for rooms/location that reflects ownership by municipality.