**Schema According to the ERD**

**Strong Entities:**

Location(locationID PK, locationName, locationType, xcoord UQ,ycoord UQ,floor UQ)

StaffMem(accountName PK, firstName, lastName, phone, positionID FK, locationID FK references Office)

Position(positionID PK, title, payGrade)

**Weak Entities: This will take the primary key of the relation it connects to**

Office(locationID PK, maxOccupancy)

directedEdge(edgeID PK, startingLoc - locID FK, endingLoc - locID FK)

path(pathID PK, edgeID FK,edgeOrder)