COP 5725 Project Submission 1 – E/R Diagram

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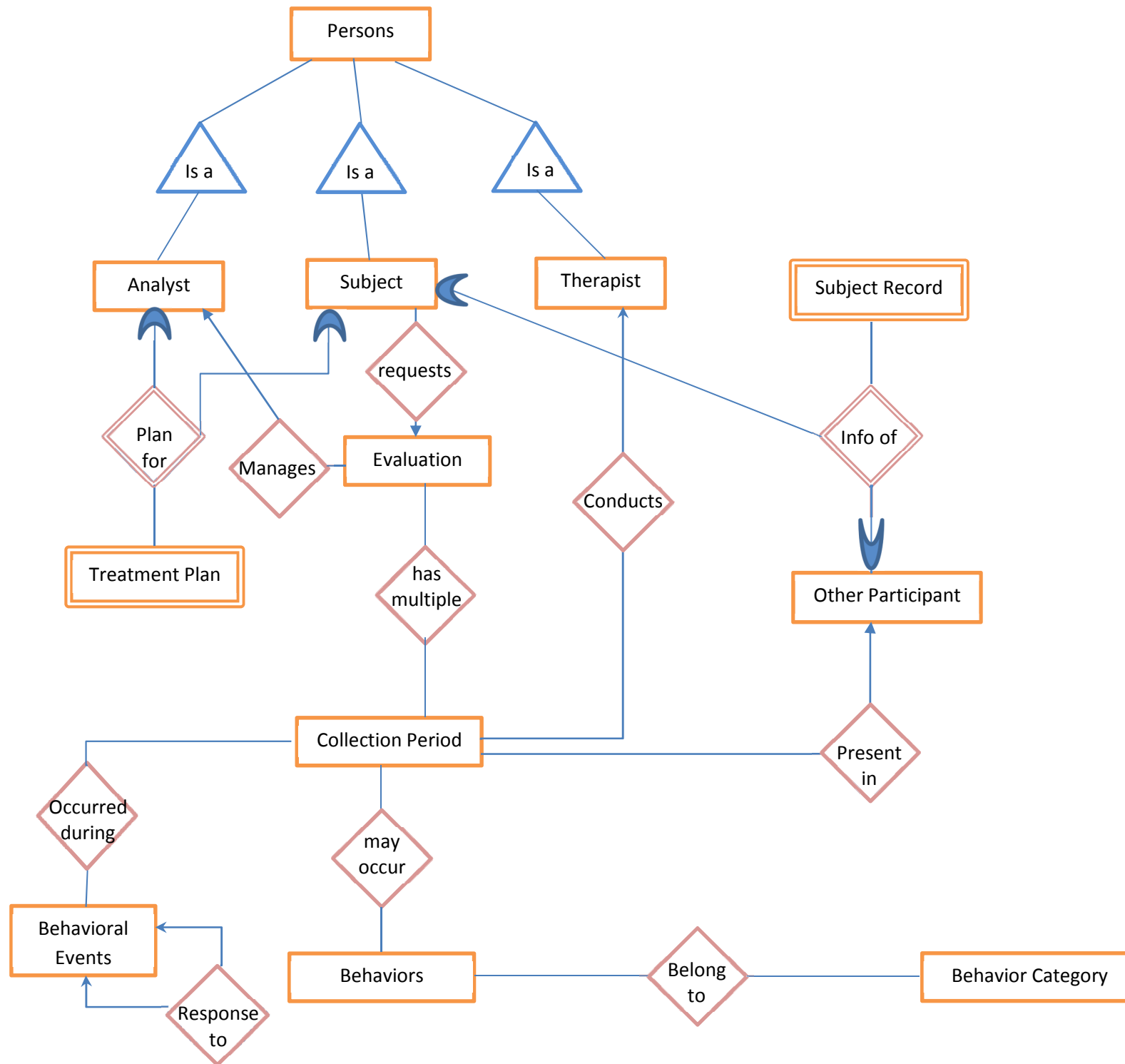4831-2035

Requirements and Assumptions :

This is a short description of the requirements as we understand them and plan to implement them. Also some of the assumptions we've made are mentioned below.

An Evaluation has multiple collection periods. We have a universal set of distinct behavior categories and each category contains behaviors. A single behavior can be present in multiple categories. Every Evaluation will have a single 'subject', a single 'analyst' and a single 'therapist' (if any) only. Any other person involved will be categorized under 'Other Person' even though he might be an Analyst, Therapist, another subject etc. The 'therapist' may or may not take part in the complete evaluation. He can be present only for specific collection periods. We predefine specific behaviors for every collection period. The predefined behaviors of the therapist and the subject are monitored and collected by the analyst. The analyst also captures the duration of each behavior. Frequency of the behavior can be inferred from this data at a later stage.

For easier design, we divided the people involved in the evaluation into two divisions or tables, namely 'Persons' and 'Other Persons'. Persons table will consist of Subjects, Analysts and Therapists and Other Persons table will consist of persons other than the three mentioned above. We have table 'Patient Record' where we collect and maintain a record of a patient's history of evaluations and any other incidents reported by other persons. There is also a table 'Plan' which analysts use to analyze and generate treatment plans.

Entity	Attributes
Evaluations	Evaluation Id,
Collection Period	Collection period Id, Start time, end time
Behavior	behaviorId, description
Behavior Categories	categoryId, description
Plan	Plan notes, subjectId
Behavioral Events	Event Id, Occurred-at, related event Id, behavior Of
Other Person	Other person Id, name, relation
Subject Record	Record id, record info, subject Id
Subject	
Analyst	
Therapist	
Persons	Name, person Id,