



The schema employs disjoint specialization to delineate Employee into UKCA\_Employee and Operator\_Employee, ensuring that unique role-specific attributes are encapsulated while common attributes are inherited, addressing requirement (b) and the mutual exclusivity of employment. Generalization unifies the common attributes of UKCA and Operator branches into a single Branch entity. Weak entities like Programme\_Talk, Participants, and Membership\_Benefits are dependent on their strong entity counterparts, reflecting their non-independent nature and the optional participation in memberships and events. The UKCA\_Member entity interlinks with Operator\_Branch and Cinema\_Operator to calculate total screens, satisfying requirement (e). Normalisation is done to ensure data integrity, Entities like Branch address, city county, Accounts are made to ensure the that its in 3NF. To satisfy e) two different attributes are created in Employee. To satisfy a) Event entity is made. Employee\_role satisfies requirement d)