

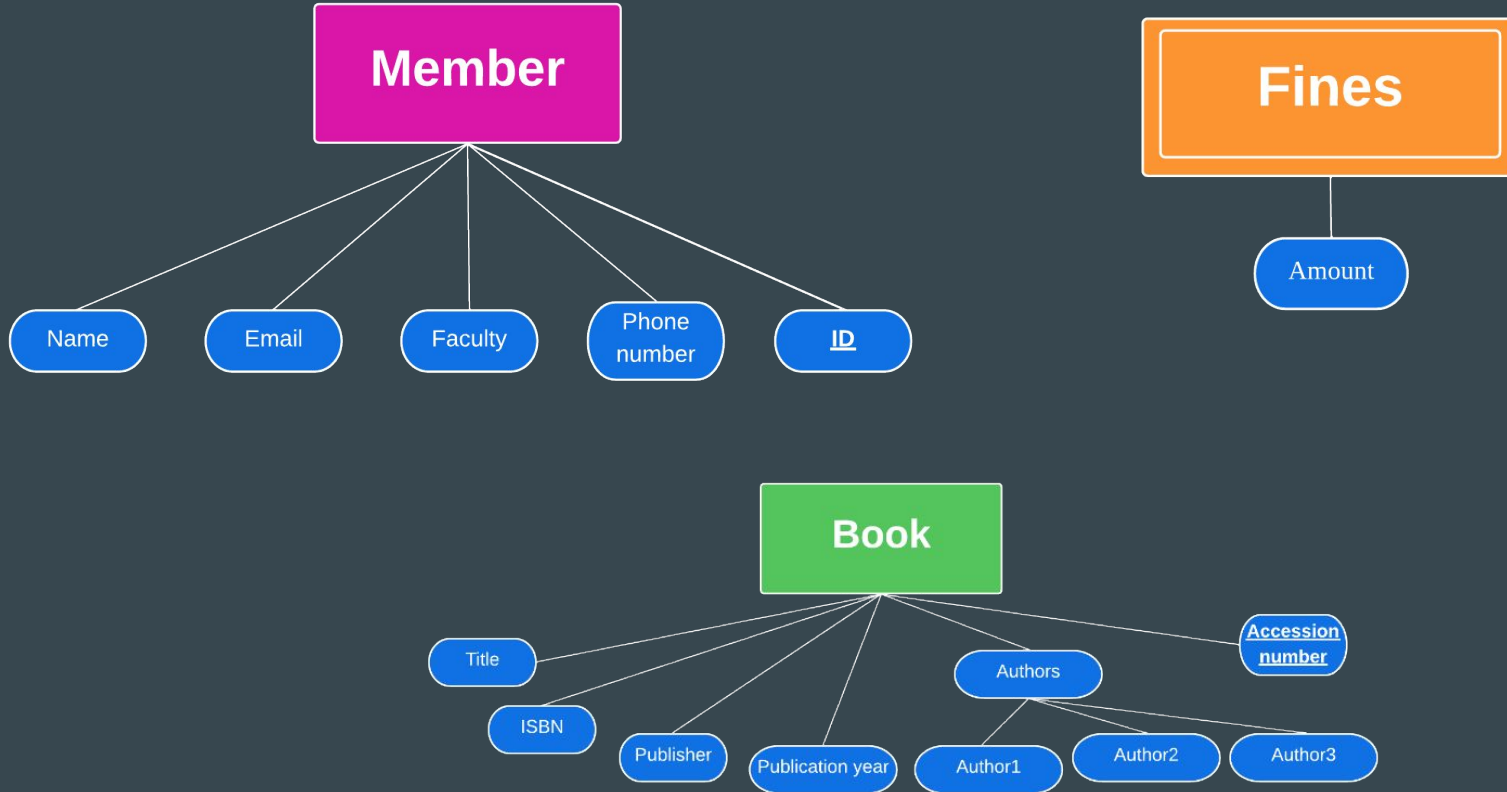


BT 2102 ASSIGNMENT 1

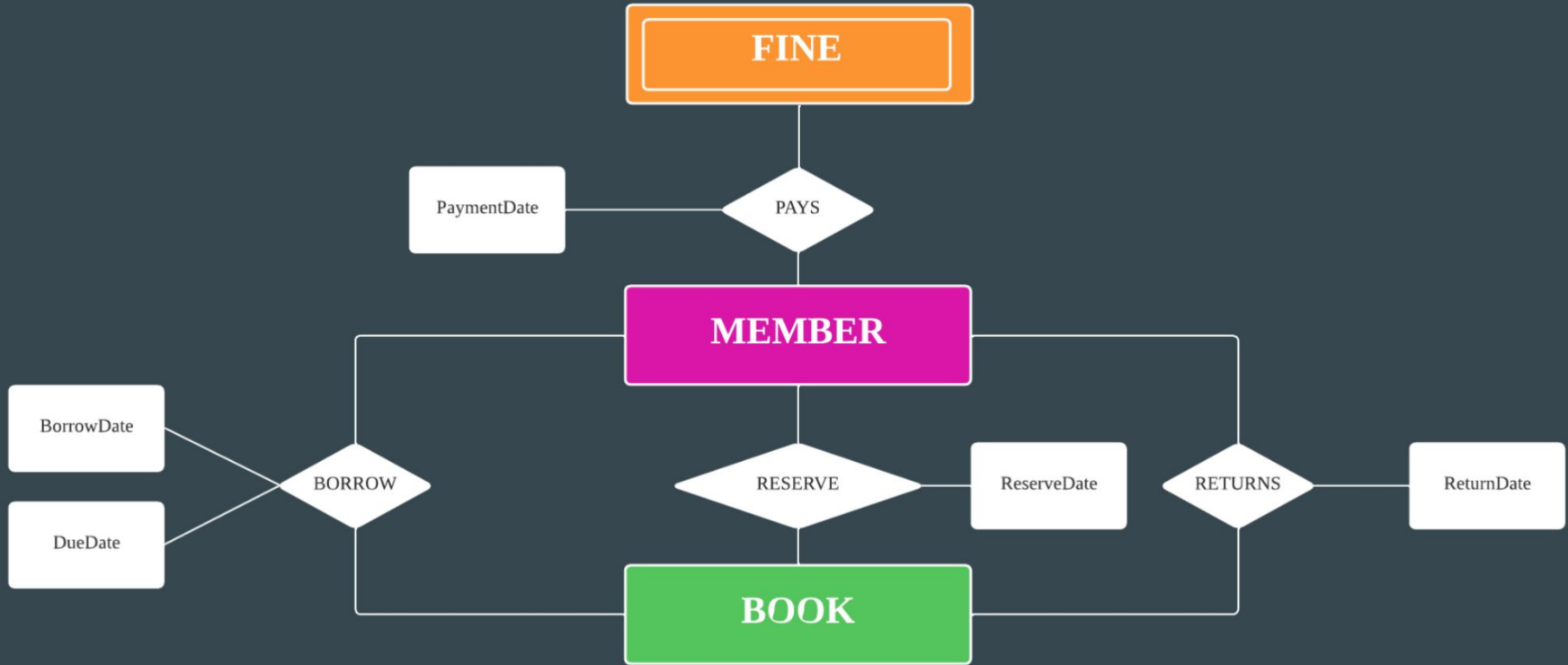
Group 11

JESPER FONG
KEITH ONG
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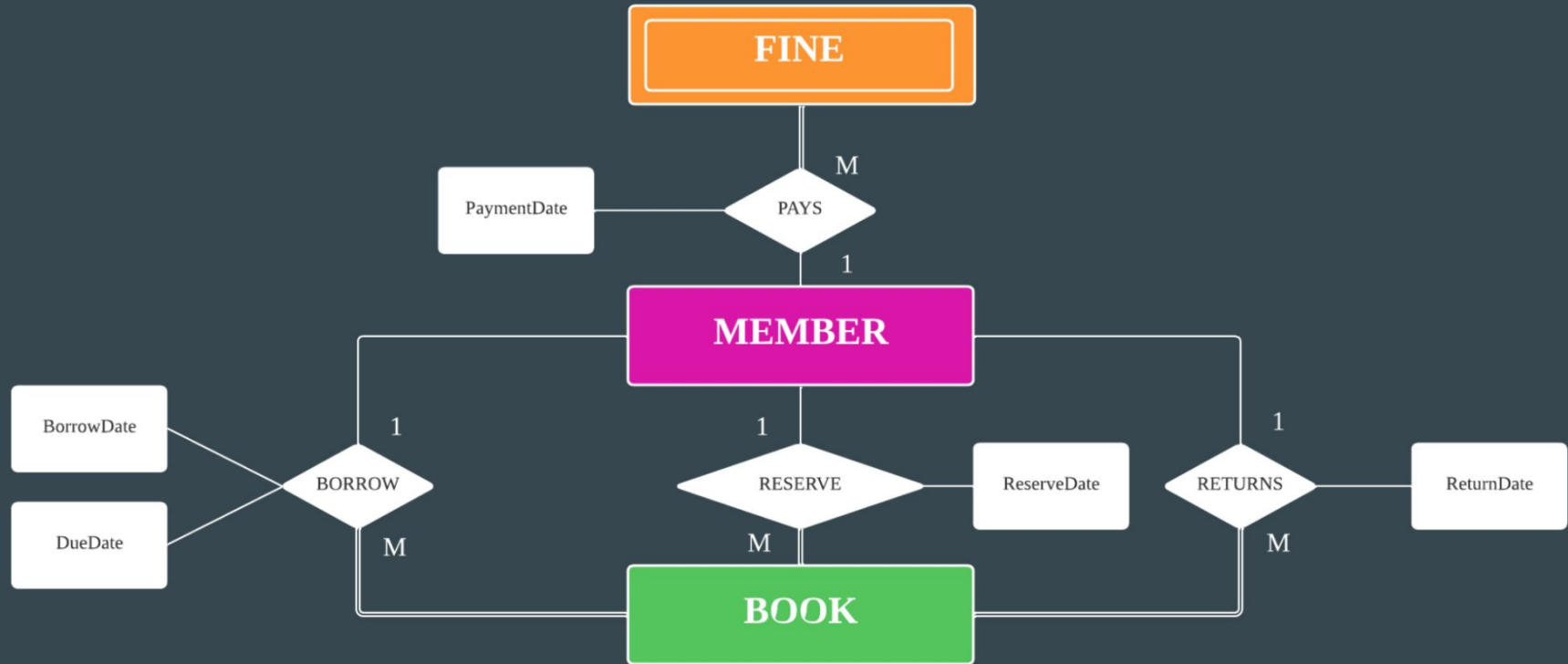
ENTITIES & ATTRIBUTES



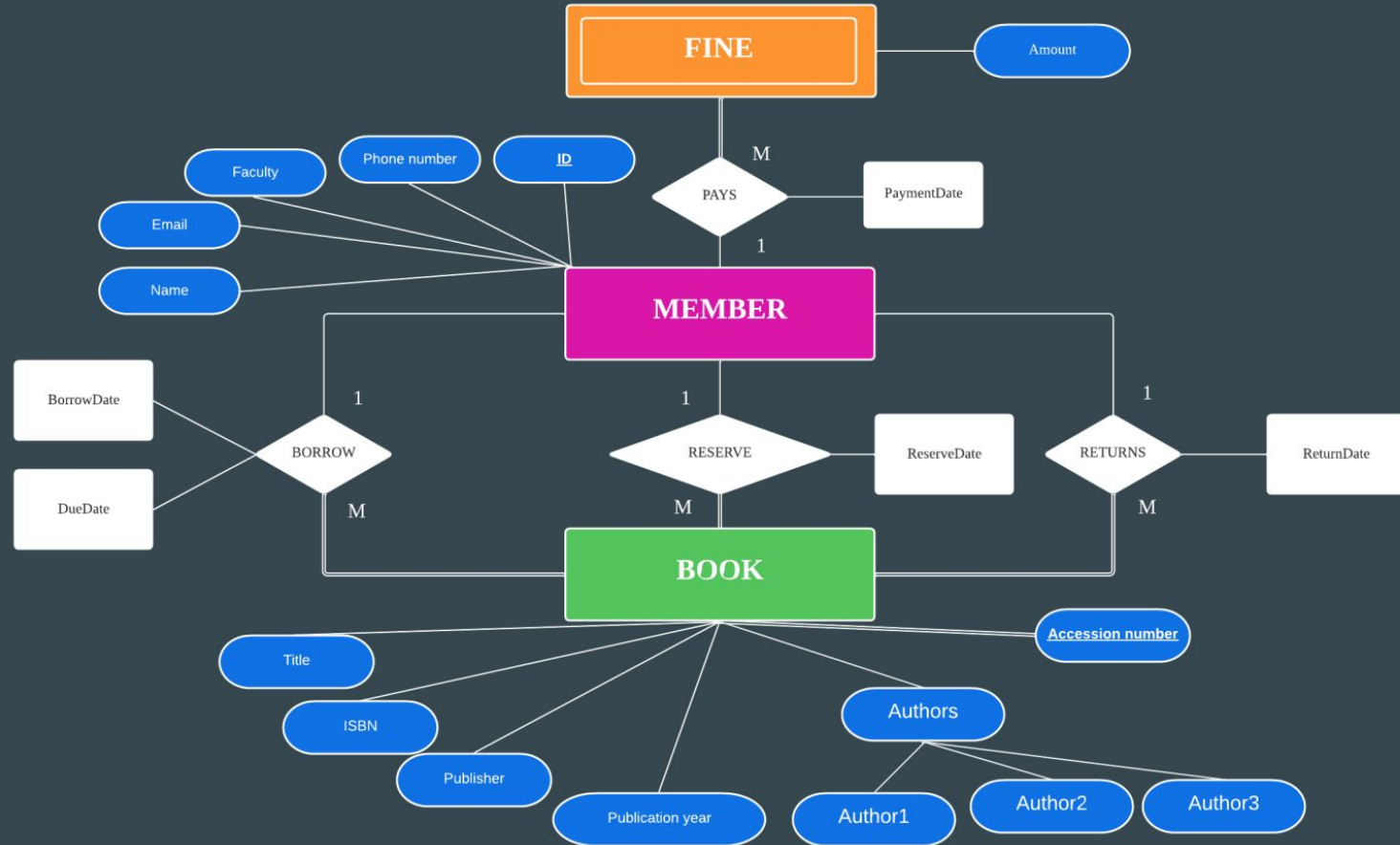
RELATIONSHIPS & THEIR ATTRIBUTES



RELATIONSHIPS & CARDINALITY



CONCEPTUAL DESIGN: ENTITY-RELATIONSHIP DIAGRAM



FINAL LOGICAL SCHEMA

Member (ID, Name, Faculty, Phone Number, Email)

Book (AccessionNumber, Title, Author1, Author2, Author3, ISBN, Publisher, PublicationYear,
BorrowDate, DueDate, ReserveDate, ReturnDate, MemberID)

Fine (Amount, MemberID)

FINAL LOGICAL DATA MODEL

Member (ID, Name, Faculty, Phone Number, Email)

Primary Key ID

Book (AccessionNum, Title, Author1, Author2, Author3, ISBN, Publisher, PublicationYear, BorrowDate, DueDate, ReserveDate, ReturnDate, MemberID)

Primary Key AccessionNum

Foreign Key MemberID references Member(ID)

Fine (Amount, MemberID)

Foreign Key MemberID references Member(ID)