CS557 - Database Software Design
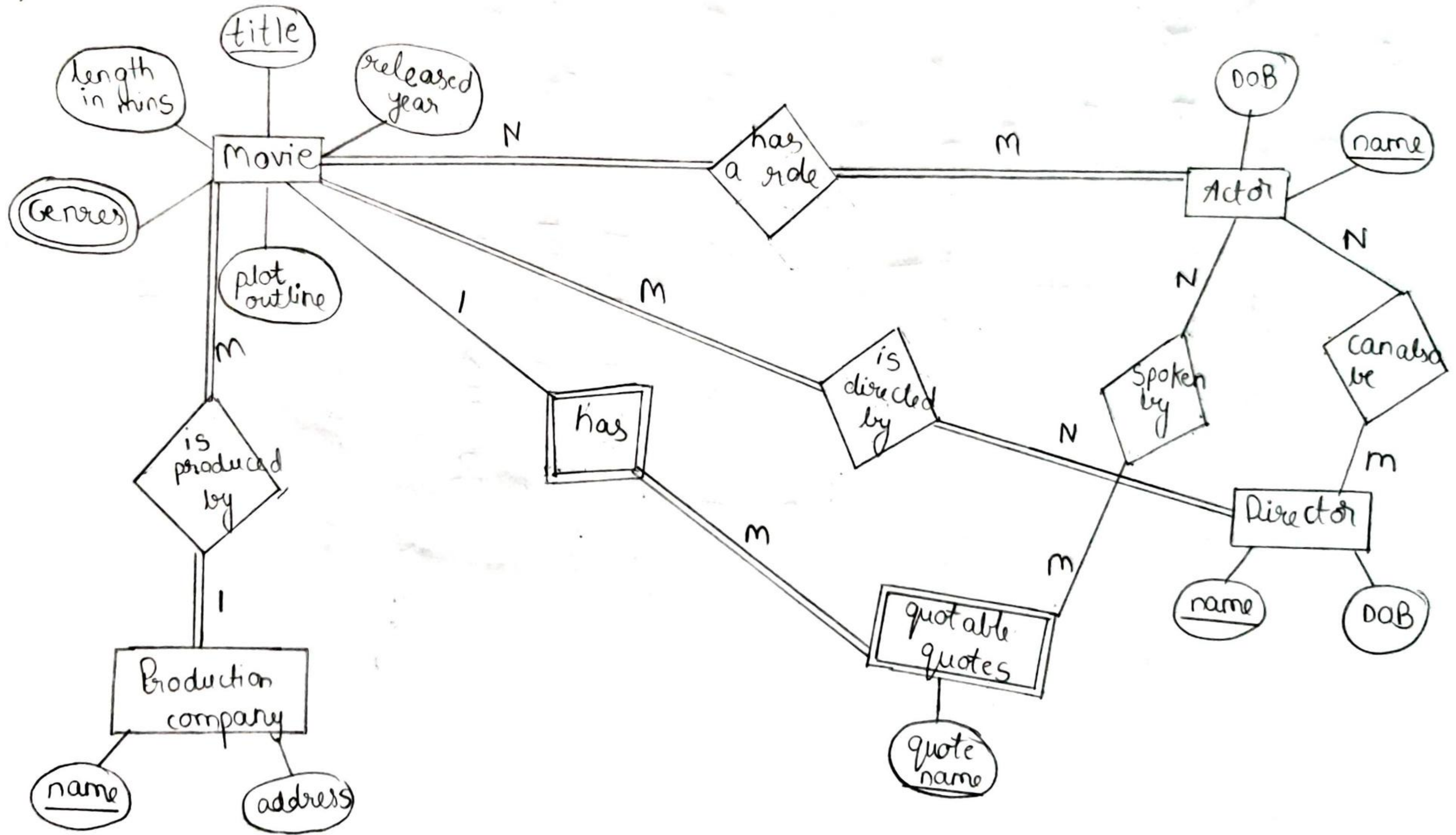## Assignment-1

Group Members

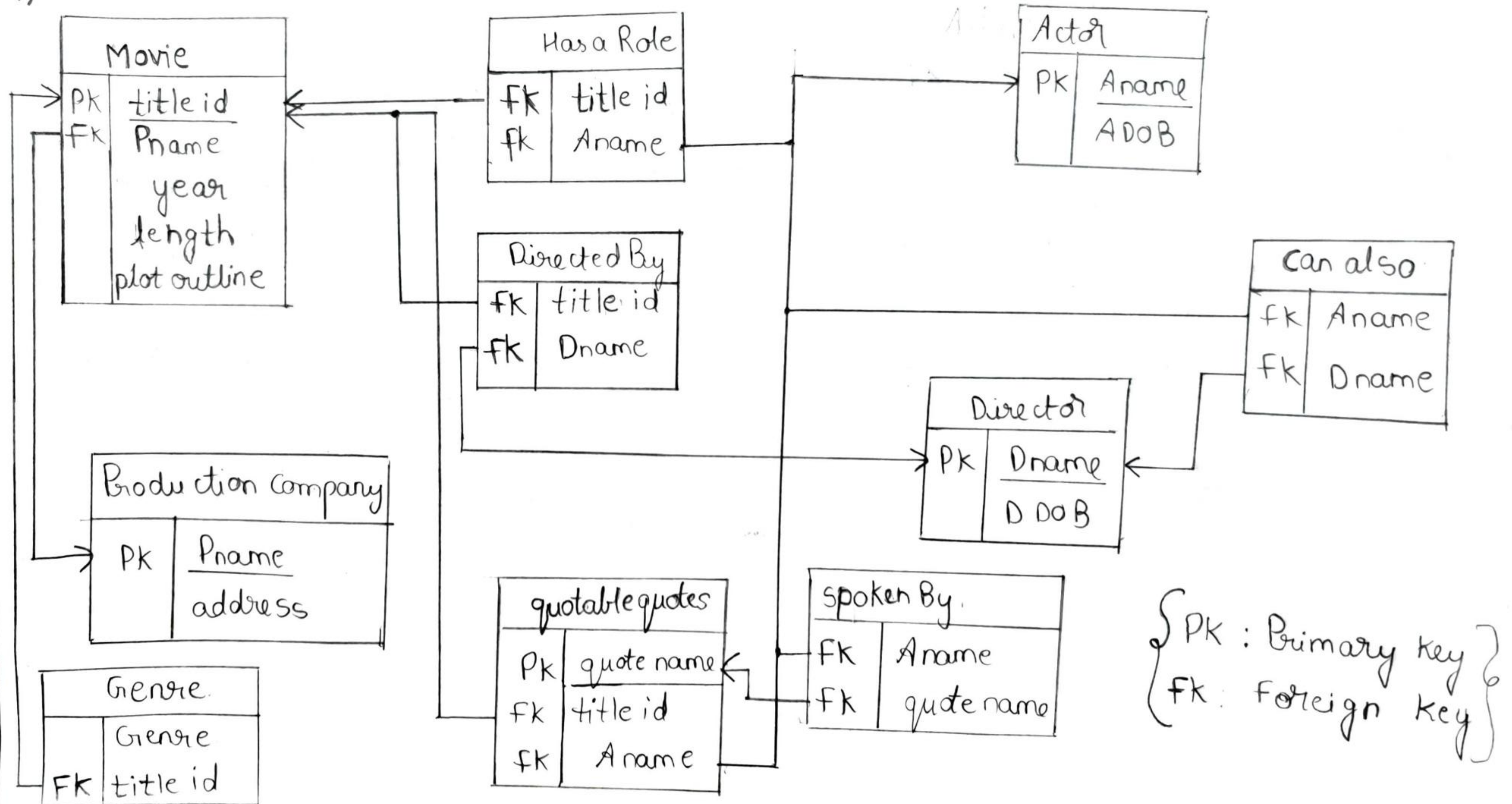| Student Name	Student Id	Student Email ID
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Entity-Relationship diagram for the movie
database (1st question)

1).

i).

Movie

PK	title id
FK	Pname
	year
	length
	plot outline

Has a Role

FK	title id
fk	Aname

Actor

PK	Aname
	ADOB

Directed By

fk	title id
fk	Dname

Can also

fk	Aname
fk	Dname

Director

PK	Dname
	D DOB

Production Company

PK	Pname
	address

Genre

	Genre
FK	title id

quotable quotes

PK	quote name
FK	title id
fk	Aname

spoken By

FK	Aname
FK	quote name

{ PK : Primary key
  FK : Foreign key }

Enhanced Entity-Relationship diagram for the
grade book database (2nd question)

2).
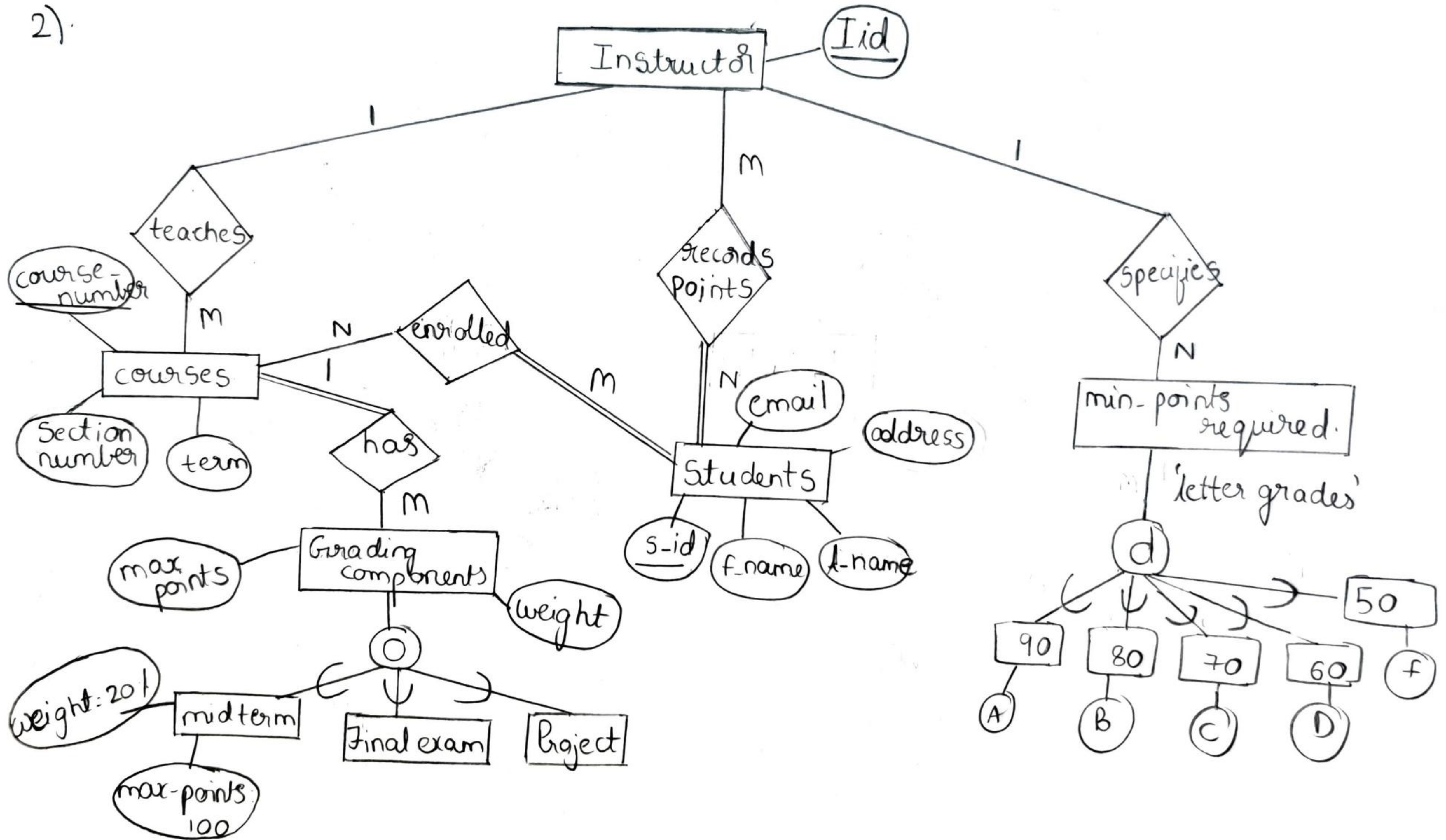
Relational model for the grade book database (2nd question)

Instructor
| PK | Instructor id |

Record points
| FK | instructor id |
| FK | Student id |

Enrolled
| FK | student id |
| FK | course number |

Grading Components
| FK | course number |

max points
weight
max points 100
mid term flag
Final exam flag
Project flag
weight: 20.1.

Students.
| PK | student id |

Firstname
Second name
email

address
| FK | Student id |

address

min points
| FK | Instructor id |

90 flag
80 flag
70 flag.
60 flag
50 flag
A
B
C
D
F

courses
| PK | course number |
| FK | Instructor id |

section number
term

{ PK : Primary key }
{ FK : foreign key }