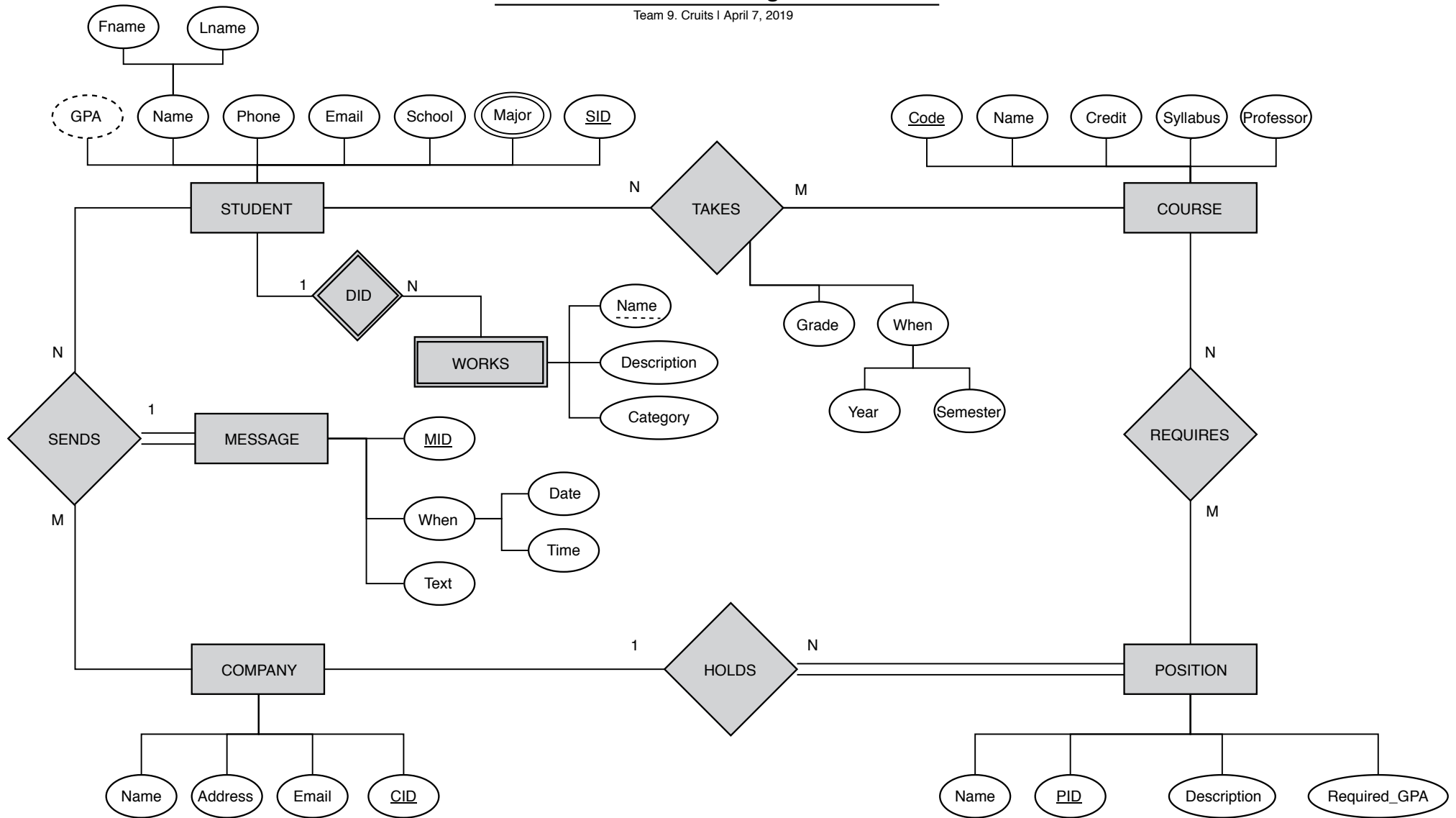


re:Cruit ER Diagram

Team 9. Cruits | April 7, 2019



STUDENT Entity

An entity that represents students.

- SID: key attribute; student id
- Major: major of the student; multivalued
- School: school of the student, e.g. KAIST
- Email: email of the student
- Phone: phone number of the student
- Name: name of the student; composite
 - Fname: first name
 - Lname: last name
- GPA: gpa of the student; derived

COURSE Entity

An entity that represents courses.

- CID: key attribute; course id; we will use course code
- Name: name of the course
- Credit: credit of the course
- Syllabus: syllabus of the course; needed for the company
- Professor: instructor of the course

MESSAGE Entity

An entity that represents messages.

- MID: key attribute; message id
- When: the time the message is sent; composite
 - date: date of message sent
 - time: time of message sent
- text: the content of the message

WORKS Entity

An entity that represents students' works, which can show the experiences or skills of the students

- Name: partial key; the name of the works
- Description: description of the works
- Category: category of the works

COMPANY Entity

An entity that represents companies.

- CID: key attribute; company id
- Name: name of the company
- Address: address of the company
- Email: email of the company

POSITION Entity

An entity that represents positions, where the companies want to recruit students

- PID: key attribute; position id
- name: name of the position
- description: description of the position
- required_GPA: required gpa. can be NULL

TAKES Relation

Relation between students and courses, which holds the information of who takes what. It has attributes of when and grade

HOLDS Relation

Relation between companies and positions, which holds which company opens which position. All positions should participate in this relation.

DID Relation

Identifying relation between student and works.

REQUIRES Relation

Position may require some essential courses to take.
Holds which position wants what courses

SENDS Relation

Ternary relation between student, company, and message.
All messages should participate in this relation. this relation means who sends what to whom.