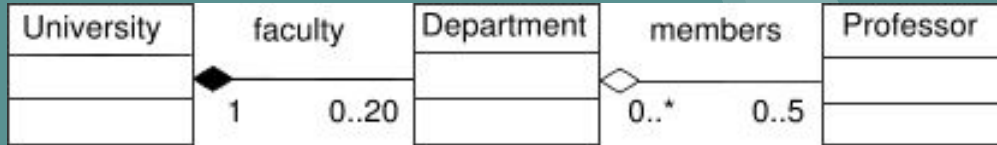


CSE 471 - Lab 04

Class Diagram



Class Diagram



SuperMART

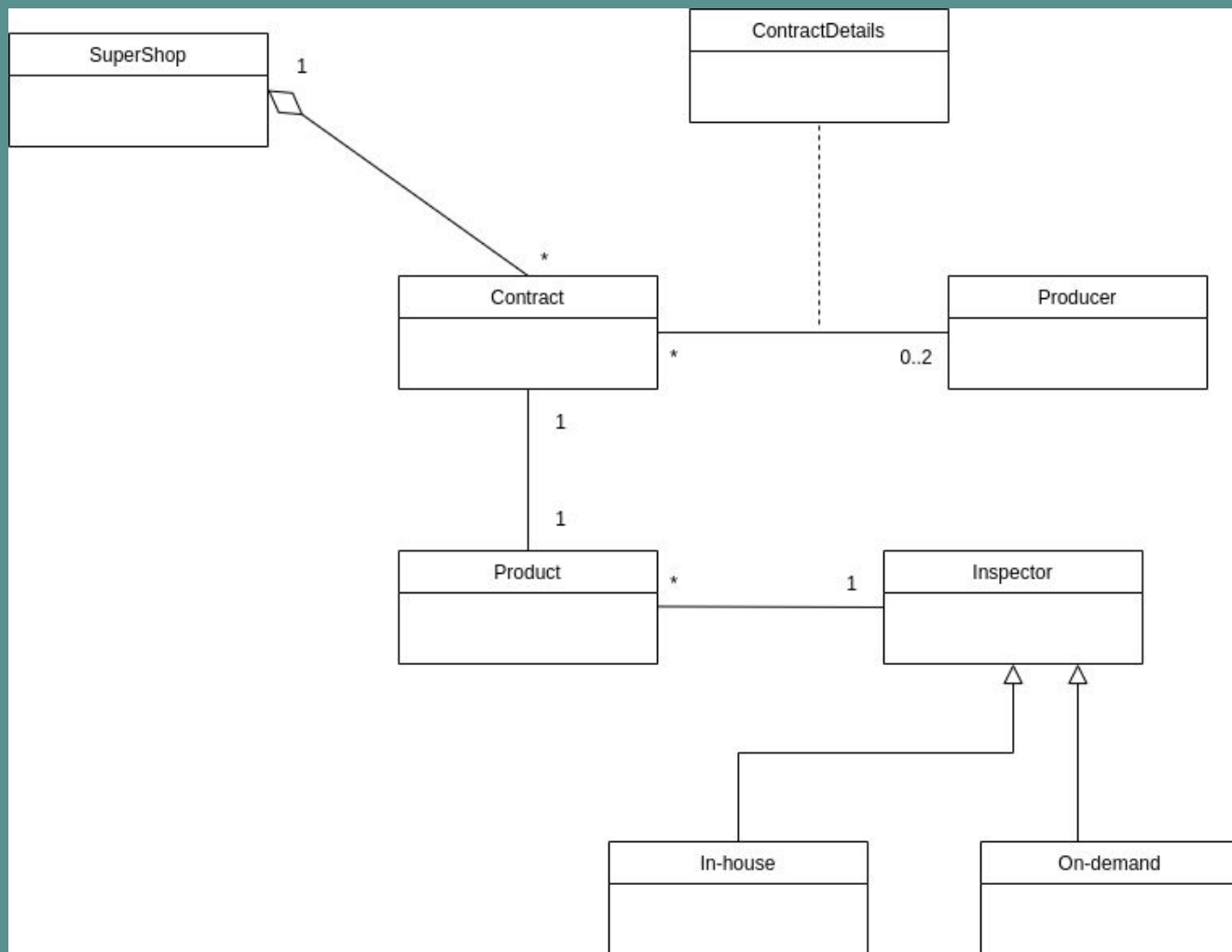
SUPERMART buys snack products from local producers through contracts. At most 2 producers can be involved in a contract, each with a different percentage of sharing the profit. One producer can have multiple contracts for different products. The store has both in-house and on-demand food-safety inspectors to ensure product quality. Each inspector can be in charge of multiple products.

Find the classes, relations, label for each relation, multiplicity for the above scenario.

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Golla-Tournament

A Gollachoooooot tournament has at least 10 extraordinary GOLLA teams. Each golla-team consists of 10-15 players. Oh, each team also has a golla-captain. Every player wears a scary golla-jersey and plays at a certain position. Each team has a unique golla-name and record. Like every other sport, teams are guided by coaches. Coachees need to have certain years of experience and seniority level to lead teams in the tournament. Since coaches and players are humans after all, need to track their names and addresses. Throughout the tournament, the teams play against each other. For every game, the location for the game and score is recorded.

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League

Team

Game

Captain

Coach

Person

Player

League
- name
- duration
+ getTeams()

Team

Game

Captain

Coach

Person

Player

League
- name
- duration
+ getTeams()

Team
- name
- record
+ getPlayers()

Game

Captain

Coach

Person

Player

League
- name
- duration
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Team
- name
- record
+ getPlayers()

Game

Captain

Coach

Person

Player
- position
- number
<u>+ getRecord(year : int)</u>

League
- name
- duration
+ getTeams()

Team
- name
- record
+ getPlayers()

Game

Captain

Coach
- level
- yearsOfExperience
+ getCoachingRecords()

Person

Player
- position
- number
<u>+ getRecord(year : int)</u>

League
- name
- duration
+ getTeams()

Team
- name
- record
+ getPlayers()

Game

Captain

Coach
- level
- yearsOfExperience
+ getCoachingRecords()

Person
- name
- address
+ getContactInfo()

Player
- position
- number
<u>+ getRecord(year : int)</u>

League
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Team
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Game
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