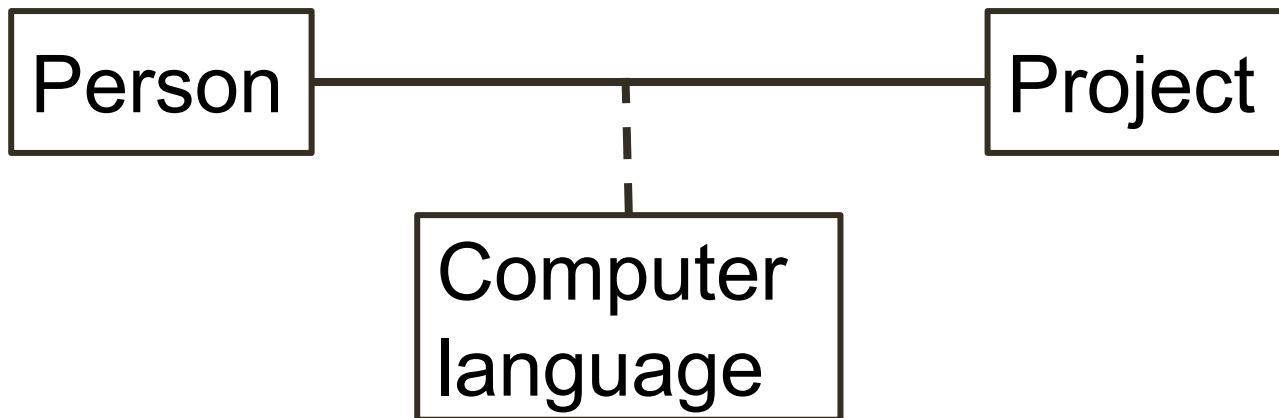

Practice of Class Diagrams

03/21/2017

Group 5

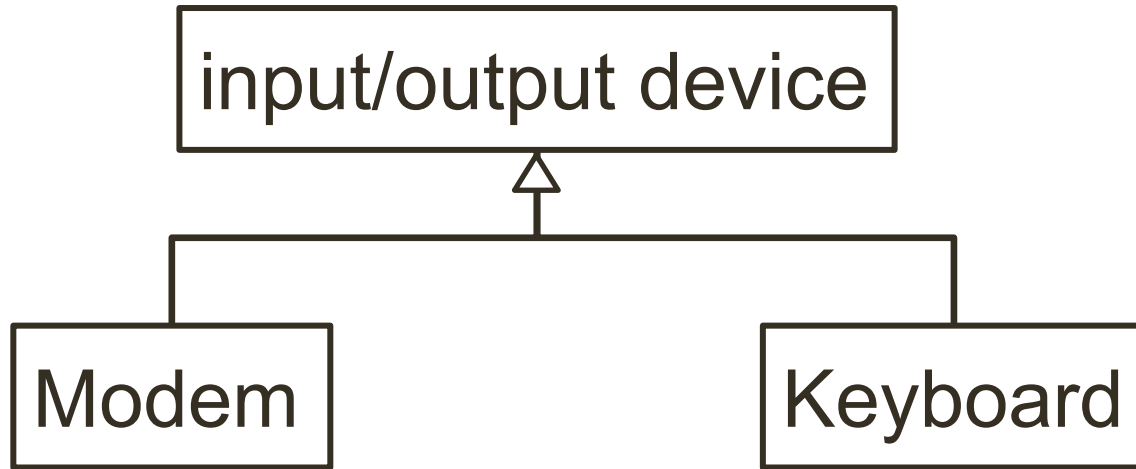
Sharpen Your Skill₁

A person uses a computer language on a project.



Sharpen Your Skill₂

Modems and keyboards are input/output devices.



Sharpen Your Skill₃

Object classes may have several attributes.



Sharpen Your Skill₄

A person plays for a team in a certain year.

Binary Association



Sharpen Your Skill₅

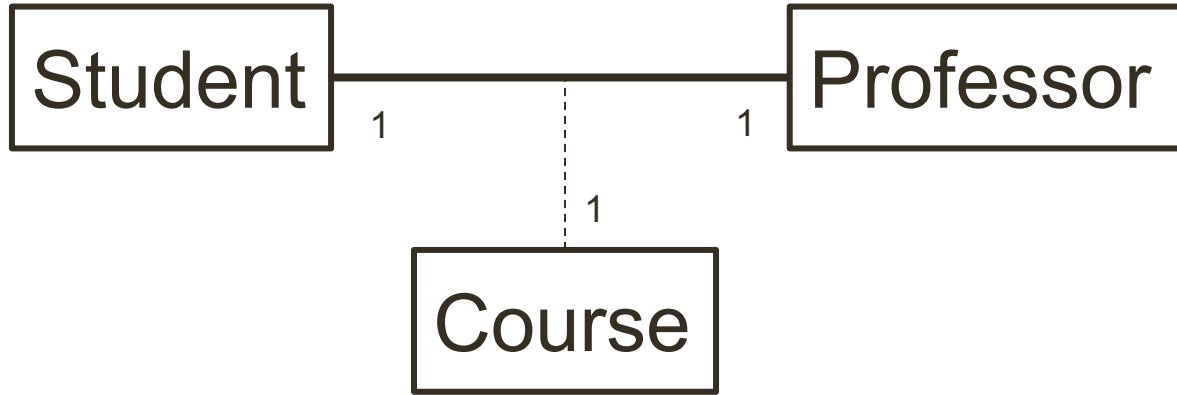
A route connects two cities.

Binary Association



Sharpen Your Skill₆

A student takes a course from a professor.



An Order Handling System₁

Requirements Statements

- 1.Design the order handling functionality for a different type of an online shopping site that transmits orders to different order fulfilling companies based on the type of the goods ordered.
- 2.Suppose that the group of order processing companies can be classified into three categories based on the format of the order information they expect to receive.
- 3.These formats include comma-separated value (CSV), XML and a custom object. When the order information is transformed into one of these formats, appropriate header and footer information that is specific to a format needs to be added to the order data. The series of steps required for the creation of an Order object can be summarized as follows:

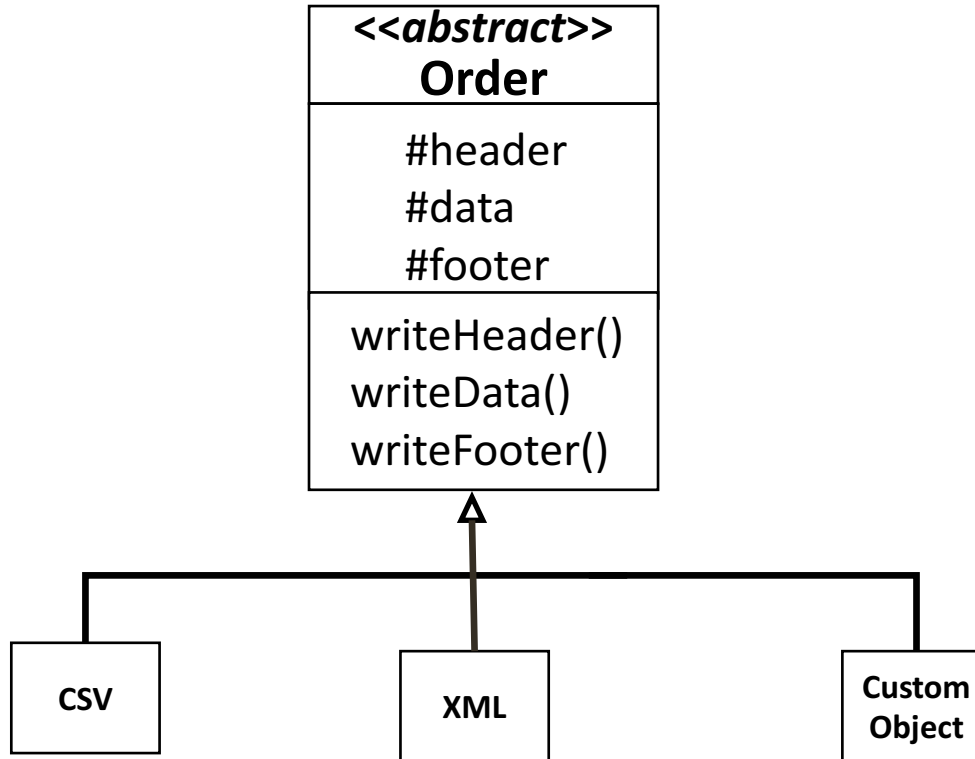
Create the header specific to the format

Add the order data

Create the footer specific to the format

An Order Handling System₂

Class Diagram



A Sales Reporting Application₁

Requirements Statements

1. Build a sales reporting application for the management of a store with multiple departments.
2. Users should be able to select a specific department they are interested in.
3. Upon selecting a department, two types of reports are to be displayed:

Monthly report - A list of all transactions for the current month for the selected department.

YTD sales chart - A chart showing the year-to-date sales for the selected department by month.

4. Whenever a different department is selected, both of the reports should be refreshed with the data for the currently selected department.

A Sales Reporting Application₂

Class Diagram

