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# Practice of Class Diagrams

03/21/2017

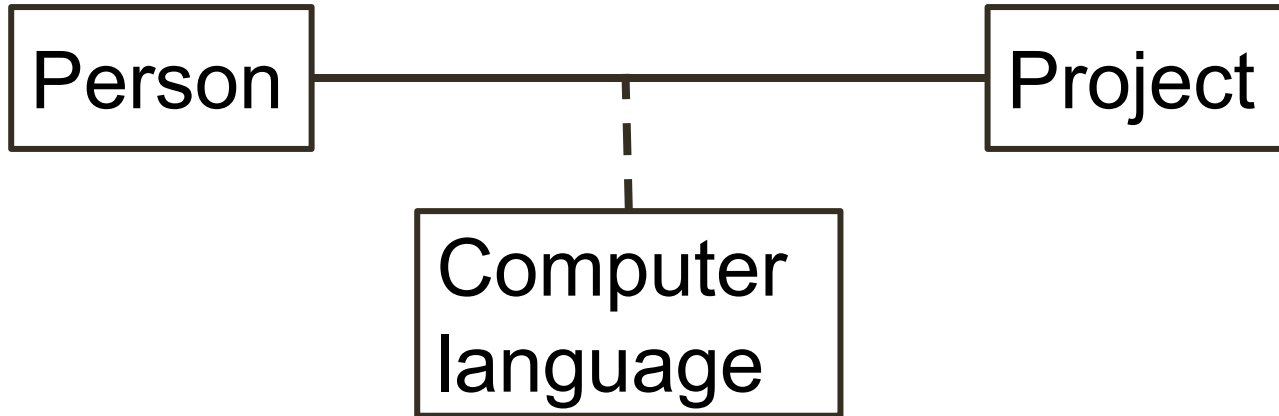
Group 5

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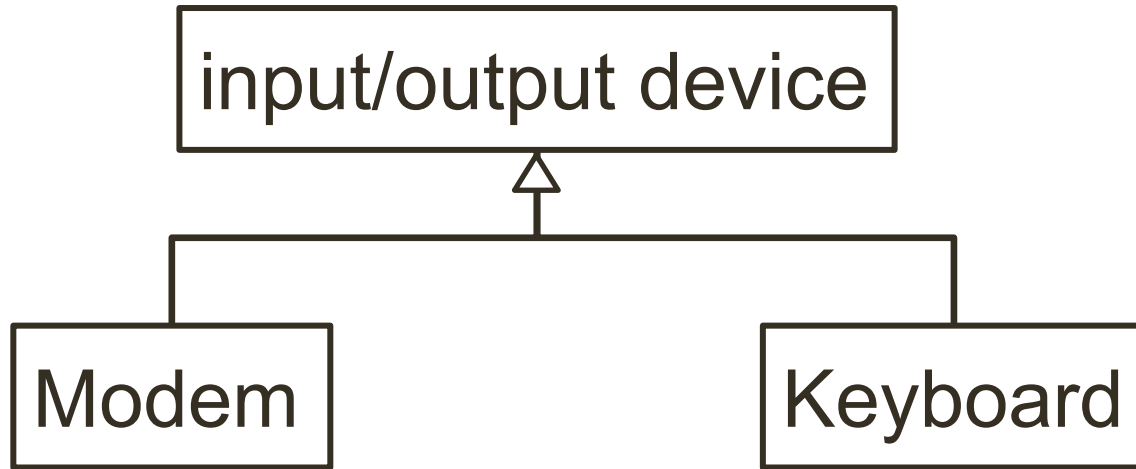
# Sharpen Your Skill<sub>1</sub>

A person uses a computer language on a project.



# Sharpen Your Skill<sub>2</sub>

Modems and keyboards are input/output devices.



## Sharpen Your Skill<sub>3</sub>

Object classes may have several attributes.



# Sharpen Your Skill<sub>4</sub>

A person plays for a team in a certain year.

## Binary Association



# Sharpen Your Skill<sub>5</sub>

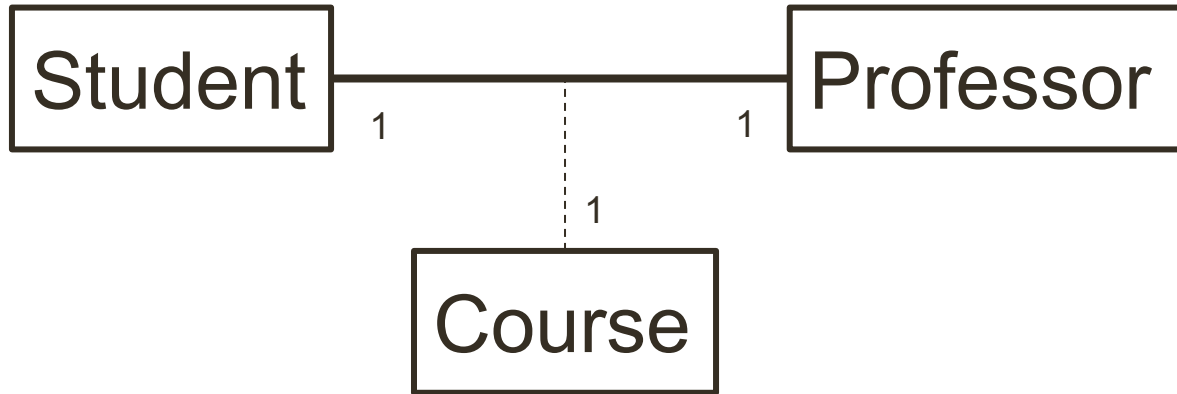
A route connects two cities.

## Binary Association



# Sharpen Your Skill<sub>6</sub>

A student takes a course from a professor.



# An Order Handling System<sub>1</sub>

## 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

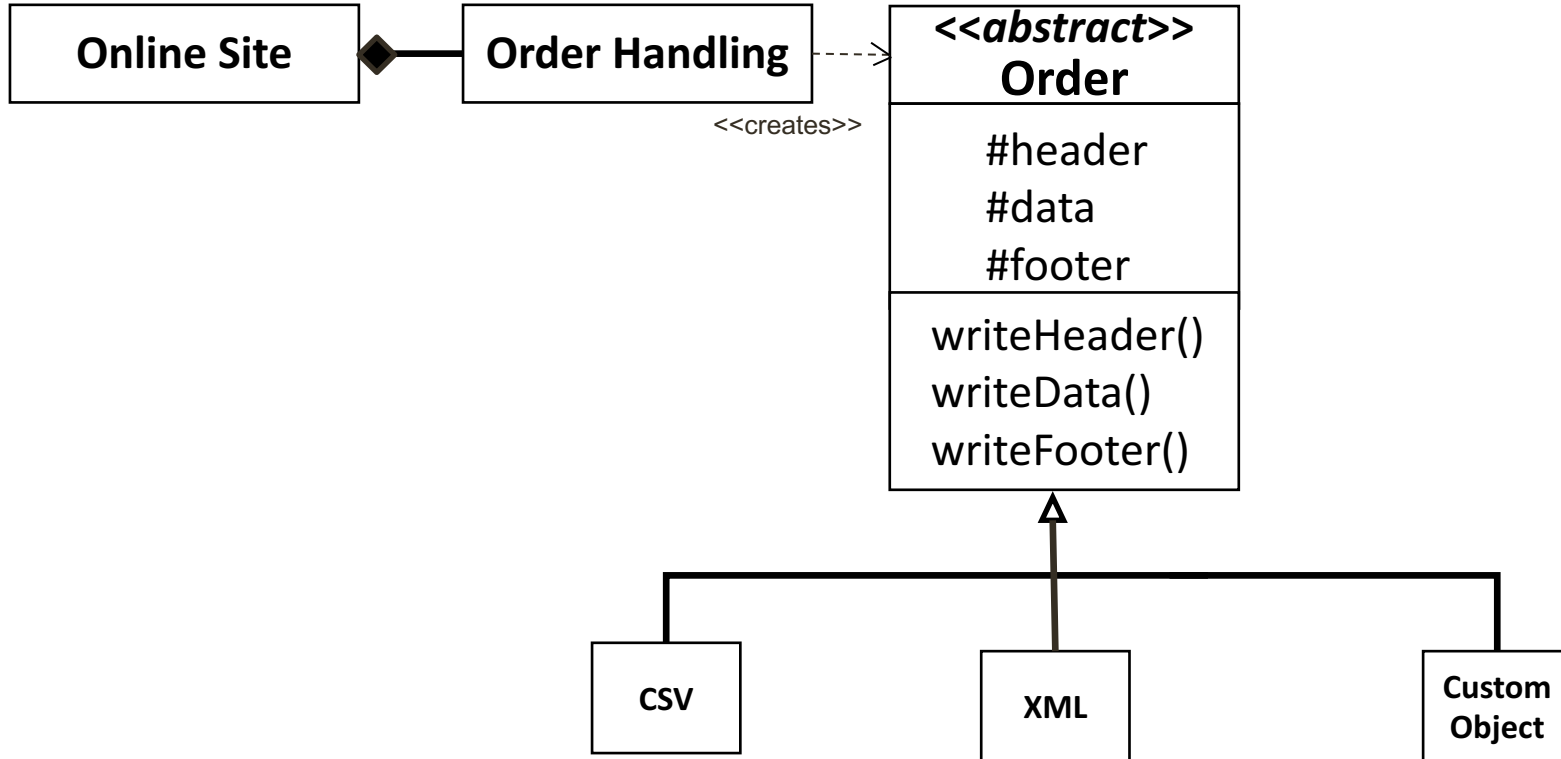
Add the order data

Create the footer specific to the format



# An Order Handling System<sub>2</sub>

## Class Diagram



# A Sales Reporting Application<sub>1</sub>

## 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 Application<sub>2</sub>

## Class Diagram

