

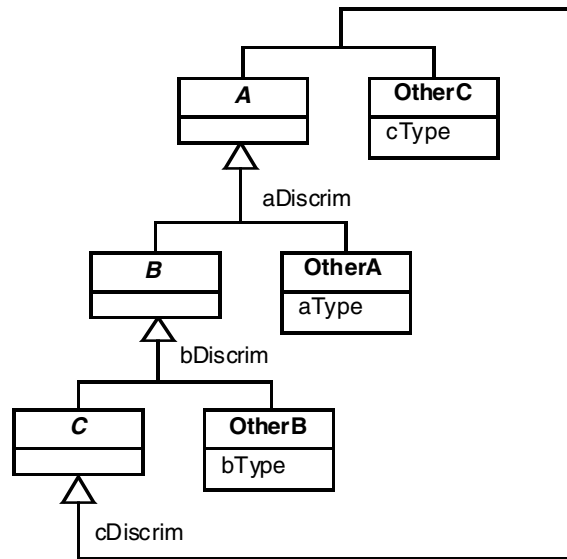
**Test Your Knowledge of the UML Class Model - Basic**

The following questions can help you assess your understanding of the UML for data modeling. This is the first of two tests. Please work each question before looking at the answer. You should strive to get at least four answers correct.

Q: Does *class* correspond to *entity type* or *entity*?

Q: Why might a data model include UML operations?

Q: Is this a valid UML model?



Q: Restate the following model and eliminate all IDs.

ProjectCategory
projectCategoryID projectCategoryName

Employee
employeeID employeeName employeeNumber

Project
projectID projectName category1ID category2ID category3ID startDate endDate priority

Timesheet
timesheetID startDate endDate employeeID

TimeEntry
timeEntryID timesheetID projectID hoursWorked

Q: Discuss merits of the following identity schemes.

- Identify a motor vehicle by its owner.
- Use attributes such as manufacturer, model, and year.
- Use the VIN assigned to the car by its manufacturer.
- Use generated IDs.