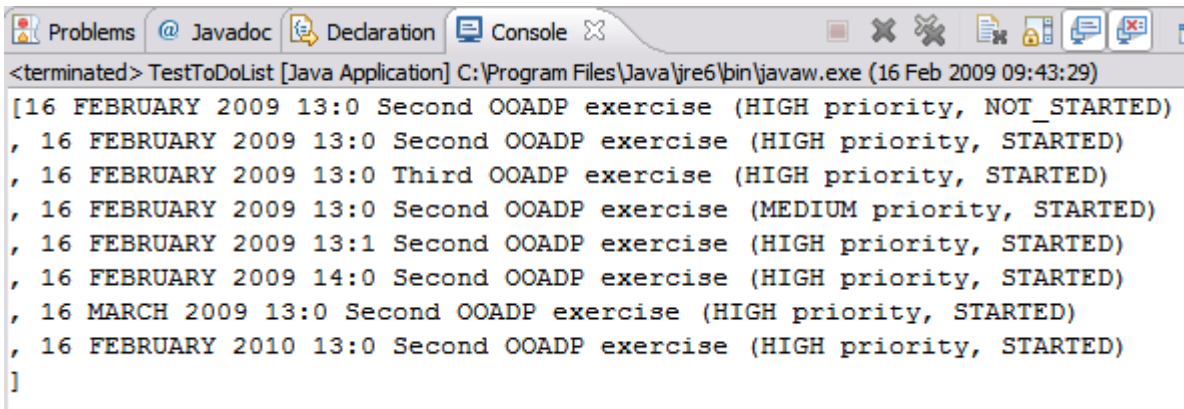


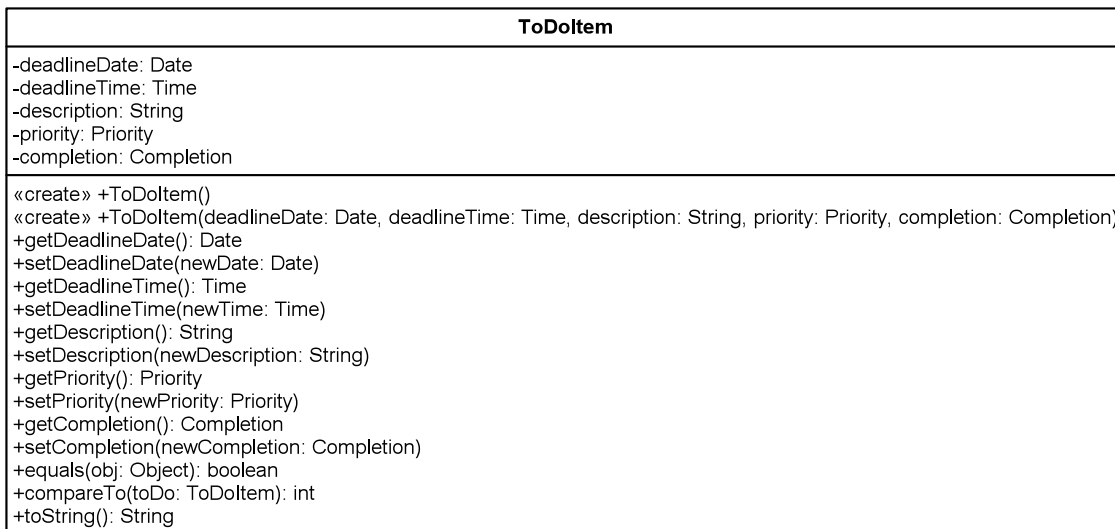
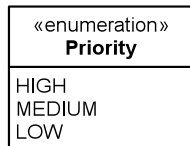
## Implementation in Java of classes specified in UML

In this exercise, you will use some UML class designs to implement a very basic To-do list system. You will be provided with a class called **TestToDoList.java** which contains a main method. When this class is run, it generates the following output:



```
<terminated> TestToDoList [Java Application] C:\Program Files\Java\jre6\bin\javaw.exe (16 Feb 2009 09:43:29)
[16 FEBRUARY 2009 13:0 Second OOADP exercise (HIGH priority, NOT_STARTED)
, 16 FEBRUARY 2009 13:0 Second OOADP exercise (HIGH priority, STARTED)
, 16 FEBRUARY 2009 13:0 Third OOADP exercise (HIGH priority, STARTED)
, 16 FEBRUARY 2009 13:0 Second OOADP exercise (MEDIUM priority, STARTED)
, 16 FEBRUARY 2009 13:1 Second OOADP exercise (HIGH priority, STARTED)
, 16 FEBRUARY 2009 14:0 Second OOADP exercise (HIGH priority, STARTED)
, 16 MARCH 2009 13:0 Second OOADP exercise (HIGH priority, STARTED)
, 16 FEBRUARY 2010 13:0 Second OOADP exercise (HIGH priority, STARTED)
]
```

You are also provided with the following UML class designs for two enumeration types, **Completion** and **Priority**, and a class called **ToDoItem**.



The source code for the classes **Date**, **Month** and **Time** are provided on Moodle.

Your task is to implement the **Completion**, **Priority** and **ToDoItem** classes in Java and then run **TestToDoList.java** to obtain the output given above.

You should start by creating a new package called **dk.aau.create.ooadp.todo** in a new project in Eclipse. You should then create the classes **Date**, **Month**, **Time** and **TestToDoList** in this package using the code provided on Moodle. You then have to create the **Completion**, **Priority** and **ToDoItem** classes in the same package using the UML class designs and the sample output provided above.