Student

+matricNo: Integer
+name: String
+feesPaid: Boolean
+studentCategory: StudentCateg

Context Student inv: registeredFor implies feesPaid = true

inv: studentCategory::bachelor implies
 registeredFor->size() <=10</pre>

inv: studentCategory::master implies
 registeredFor->size() <=8</pre>

registration

registeredFor

Course

+courseId: String +courseName: String +courseLevel: Courselevel

Context Course
 inv: courseName->size() > 10 and
 courseName->size() < 25</pre>

inv: if courseLevel::bachelor then
 registration->size() >= 20

inv: if courseLevel::master then
 registration->size() >= 10

<enumeration>> StudentCateg

+bachelor +master

<enumeration> Courselevel

+bachelo master

Explanations:
"in each case, provided they have paid their fees)": no more conditions needed in the maximum of courses of bachelor/master studetns, as in order to be registered they need to pay the fees, and the very first condition already satisfies that.

forAll loop for all courses of a bachelor/master student.

:: used to acces enum values, as stated.

Questions : \$" restricting the course name to between 10 and 25 characters. " : inclusive or exclusive ?