Description of the Class Model

The class model shows the design for a primary school’s administrative management system. The User class is a parent class for Student, Parent and Staff. The reasoning behind this is that all these users have similar attributes and creating a super class was an efficient way to reuse code.

Staff is a parent class for Principal, Trainer, Vice-Principal and Guidance Counsellor.

Registration is an association class which is only created when a student registers with the school. This is so that the registration class only exists when a student registers which is an appropriate design since it does not need to exist outside of such a case.

When a student enrolls in a class the association class enroll is created between the trainer of that class and the student. This ensures student course history is shown.

Each Names Invariant and English description

How the Invariants are formulated in OCL

Object models which violate the invariants

Explanation for why the object model violates the invariant

Project description

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