

Core Application Module

Table of Contents

1. Intro	1
2. Module parts	1
2.1. Common Data Model	1
2.2. Business Logic Skeleton	2
2.3. Persistence Skeleton	5

1. Intro

- The module joins prototype DataModel which should be implemented in the rest modules.
And the layers' skeletons (set of interfaces).
- The interfaces will be used in ingress, business-logic and persistence modules.
Facades should be implemented in particular modules and joined together in main application module.

2. Module parts

2.1. Common Data Model

Common Used Data Model (prototypes of model's entities)

▼ Data Model

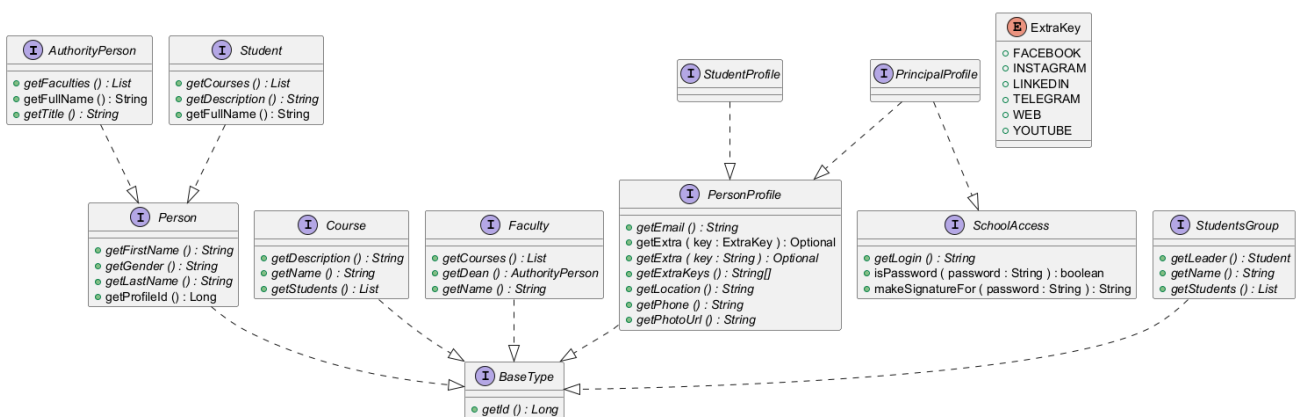


Figure 1. Core Data Model

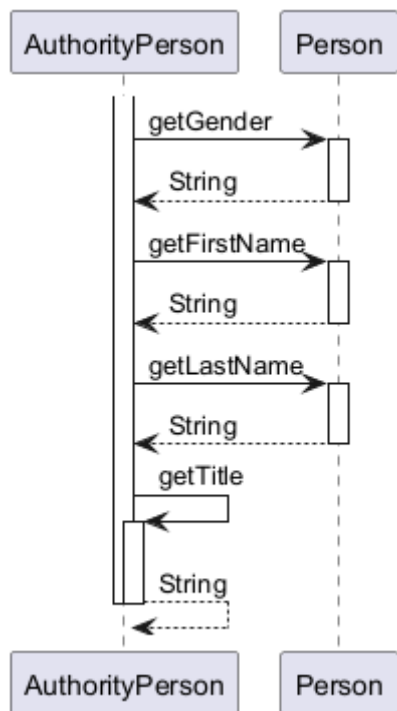


Figure 2. `AuthorityPerson.getFullName()` [Get Full Authority Person Name Sequence]

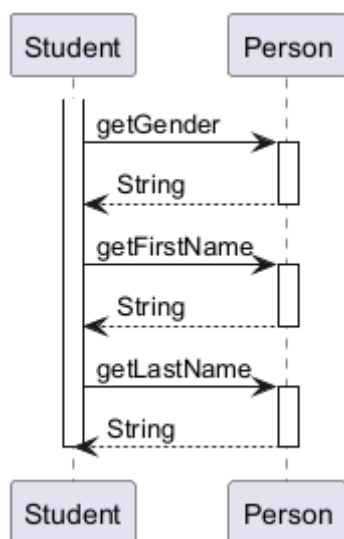


Figure 3. `Student.getFullName()` [Get Full Student Name Sequence]

2.2. Business Logic Skeleton

Set of interfaces used to implement business-logic functionality of the application.

▼ Business Logic

- General Facade Diagram

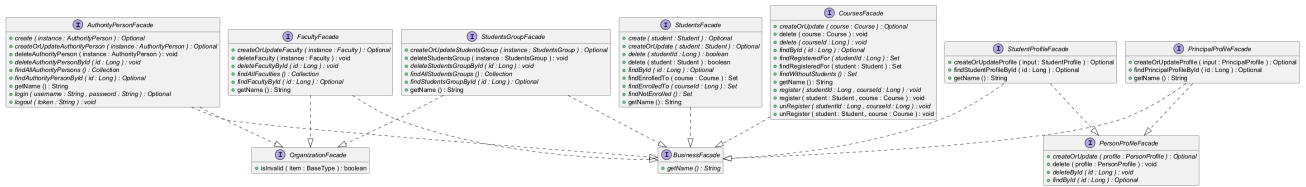


Figure 4. Business Logic Facades by Entity Types

- Authority Person Facade Sequences

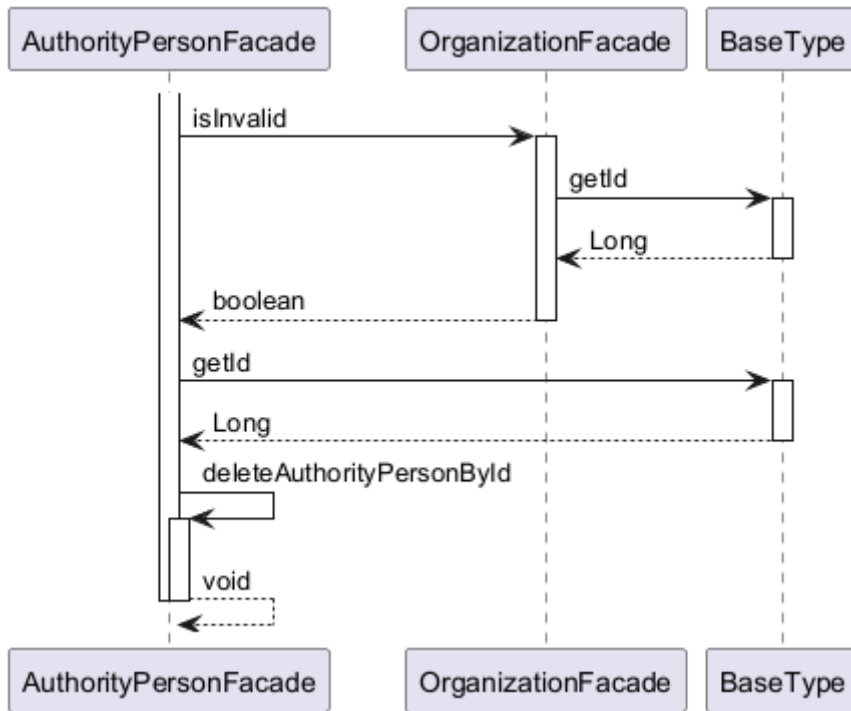


Figure 5. AuthorityPersonFacade.deleteAuthorityPerson(...) [Delete Authority Person Entity]

- Common Person Profile Facade Sequences

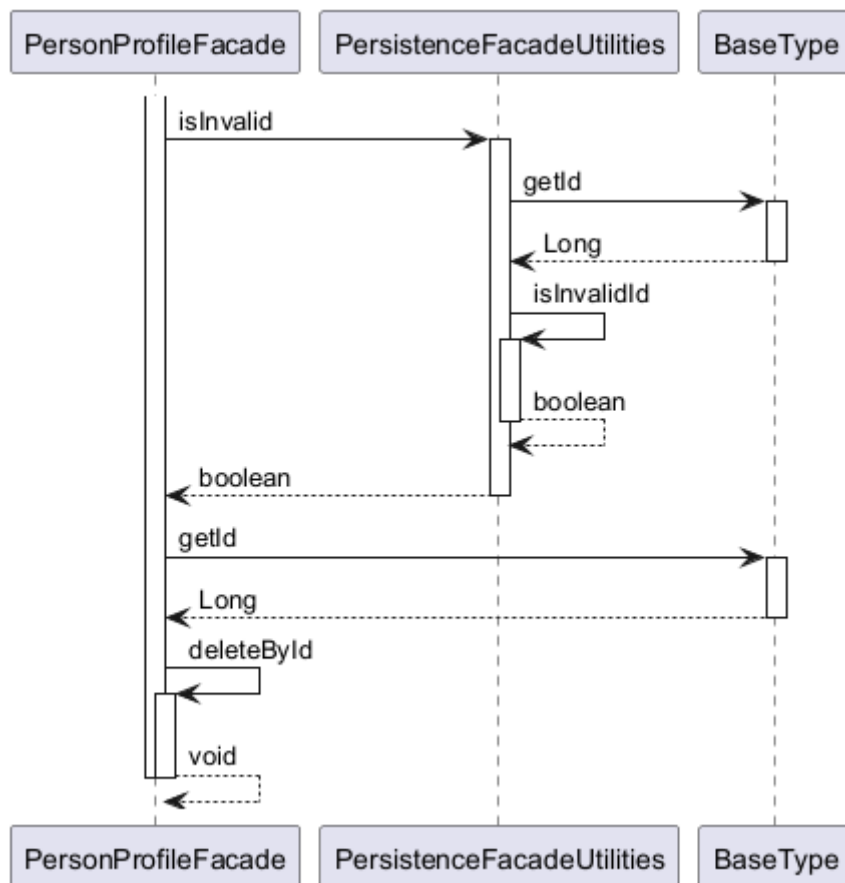


Figure 6. *PersonProfileFacade.delete(...)* [Delete Common Person Entity]

- Faculty Facade Sequences

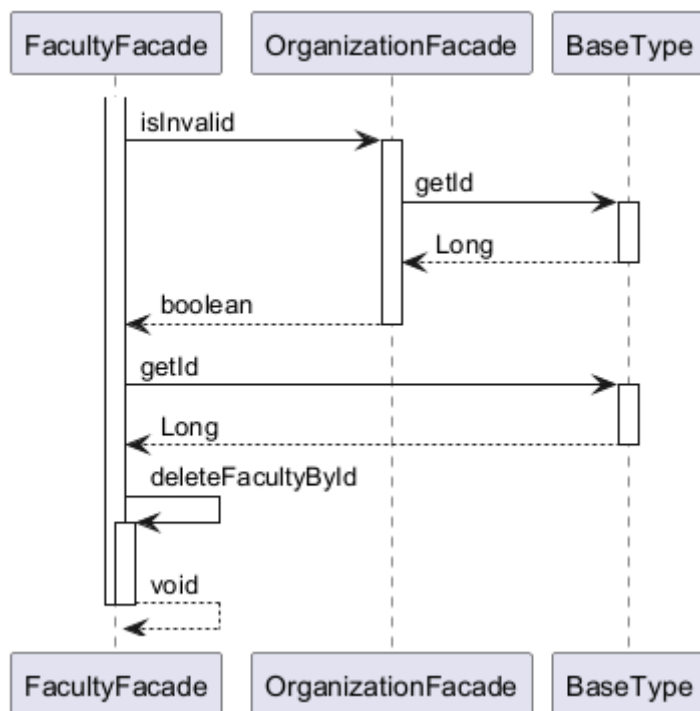


Figure 7. *FacultyFacade.deleteFaculty(...)* [Delete Faculty Entity]

- Students Group Facade Sequences

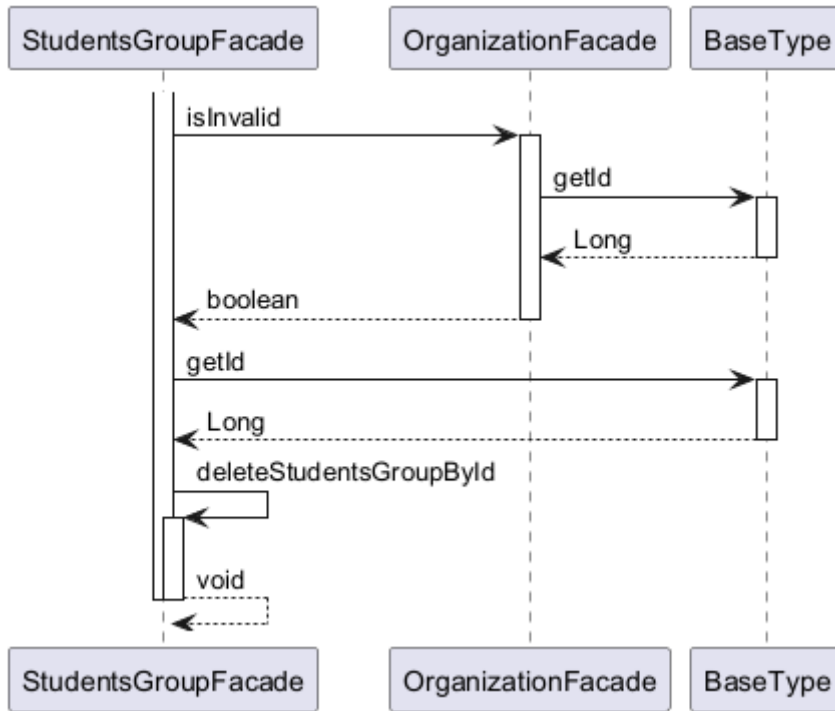


Figure 8. *StudentsGroupFacade.deleteStudentsGroup(...)* [Delete Students Group Entity]

2.3. Persistence Skeleton

Set of interfaces used to implement persistence functionality of the application.

▼ Persistence

- General Facade Diagram

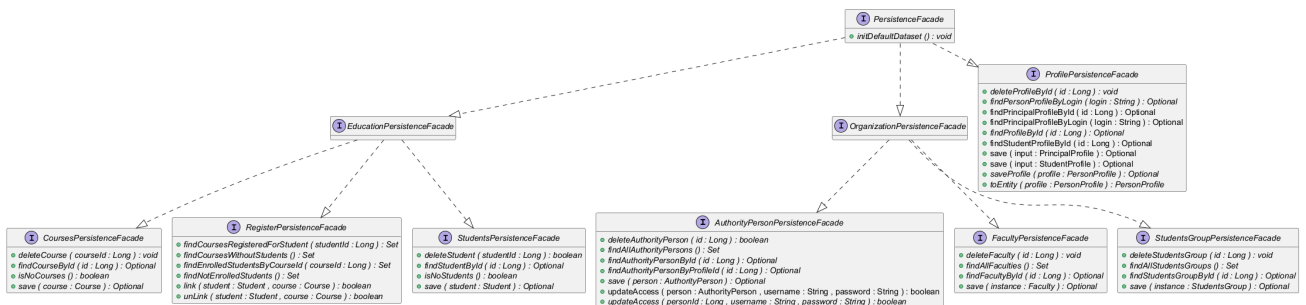


Figure 9. *Persistence Facades by Entity Types*

- Authority Person Persistence Facade Sequences

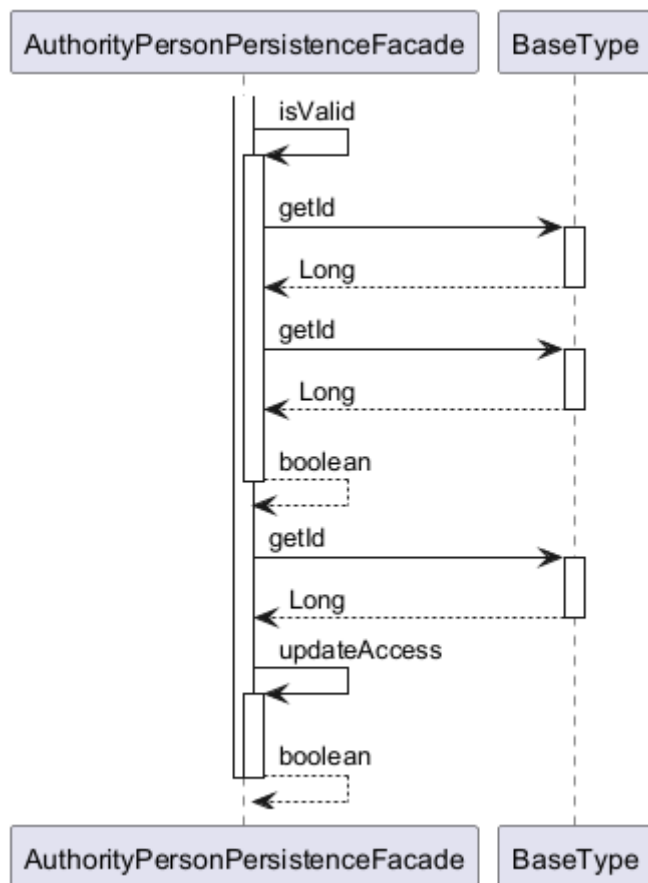


Figure 10. `AuthorityPersonPersistenceFacade.updateAccess(...)` [Authority Person Access Update Entity]

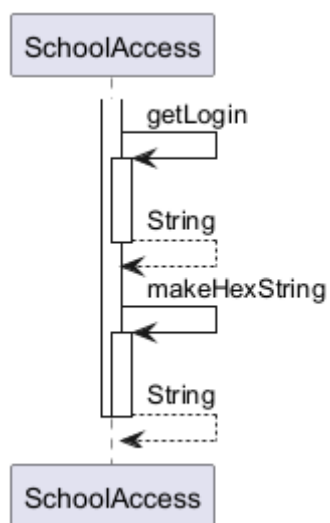


Figure 11. `SchoolAccess.makeSignatureFor(...)` [Authority Person Make Security Access Signature]