

2. Navigation Model

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2.1 Navigational Space Model

2.1.1 Defining Navigational Classes:

Let's define all of the classes first and then separate navigational classes from them:

- ✓ University
- ✓ Quiz Management System
- ✓ Admission System (can be application of a job or admission as a student)
- ✓ Student
- ✓ Faculty Member
- ✓ User(can be a student or a faculty member)

Now we need to extract navigational classes, which are classes whose instances are visited by the user during navigation.

A simple user visits:

- University portal
- Admission System

A user becomes a Student by taking admission in university by navigating through Admission System, now a student can navigate through:

- Quiz Management System

A user becomes a Faculty member by applying for a job as a teacher in university by navigating through Admission System, now a faculty member can navigate through:

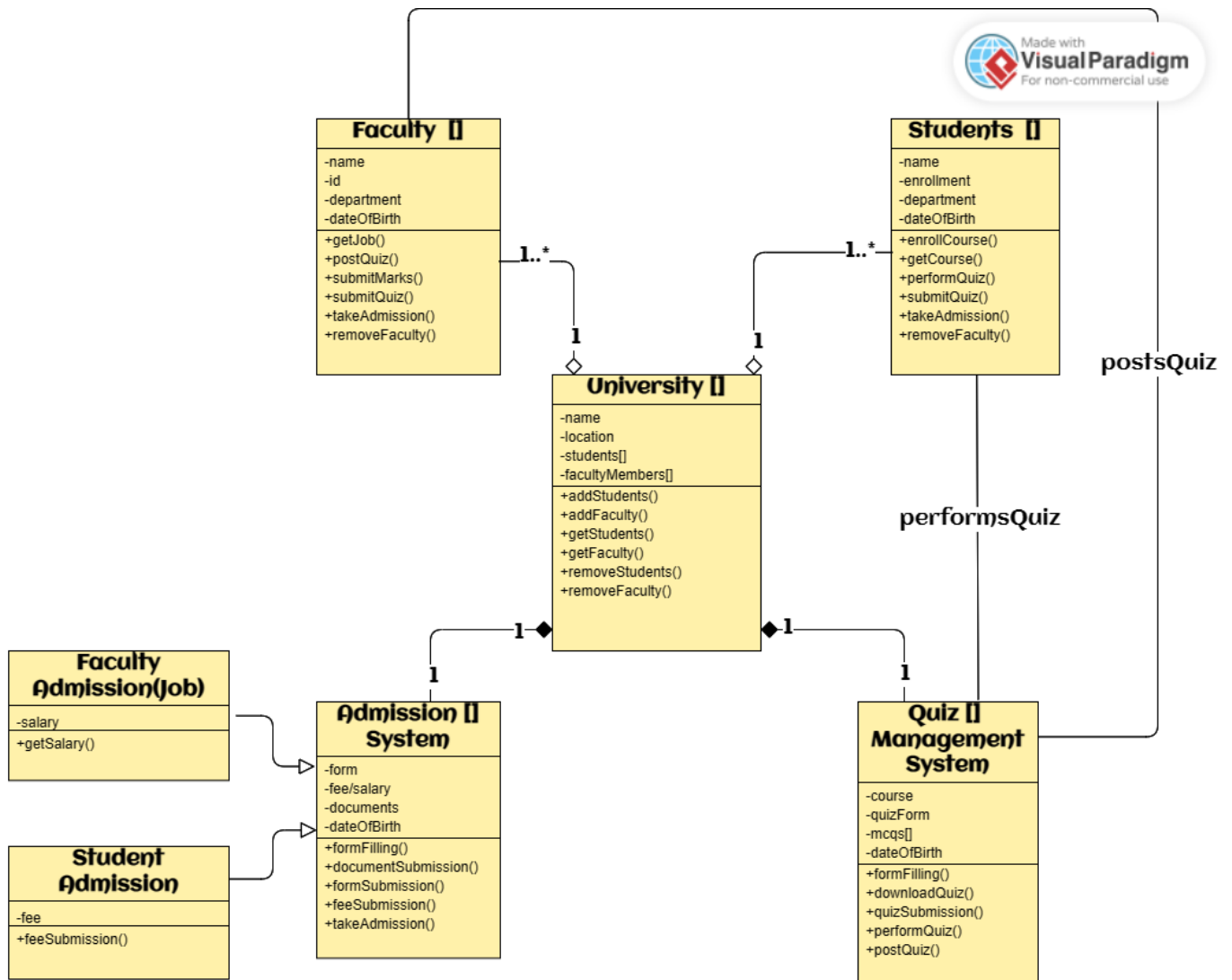
- Quiz Management System

Navigational Classes:

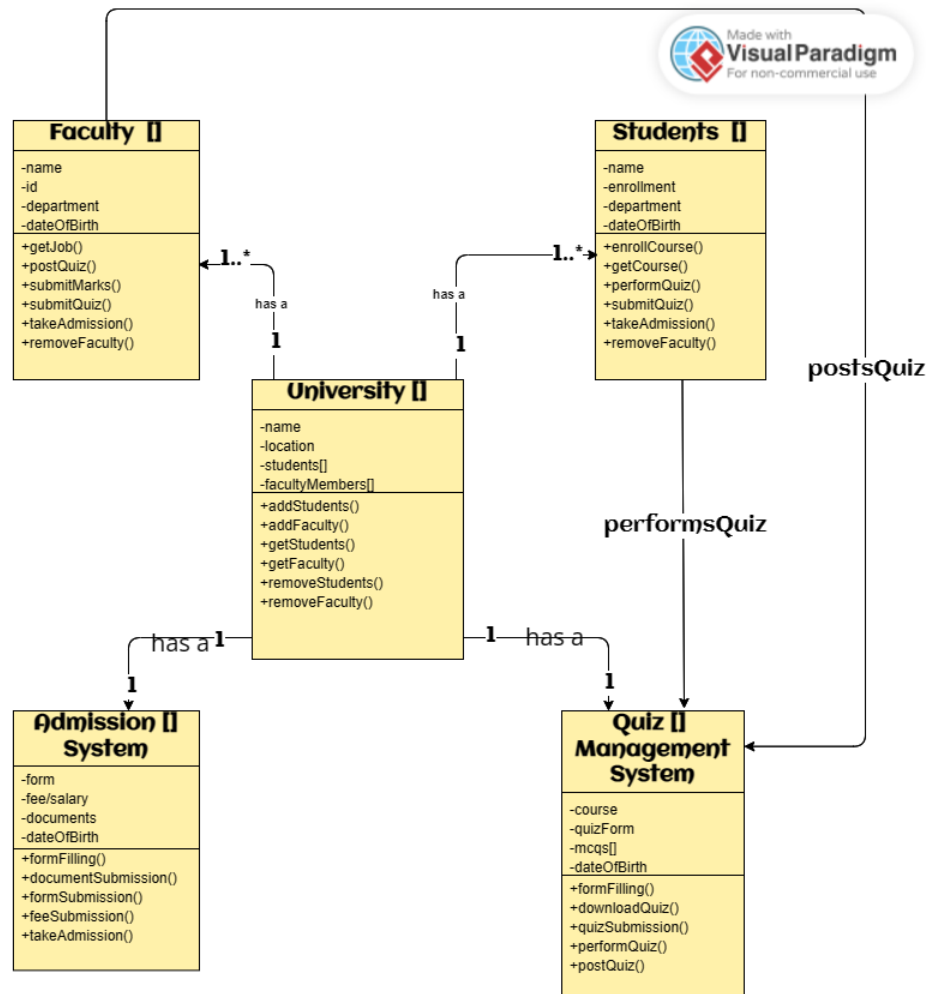
So, the navigational classes are as follows derived from above discussion:

- University
- Admission System
- Quiz Management System
- Student
- FacultyMember

Class Diagram:

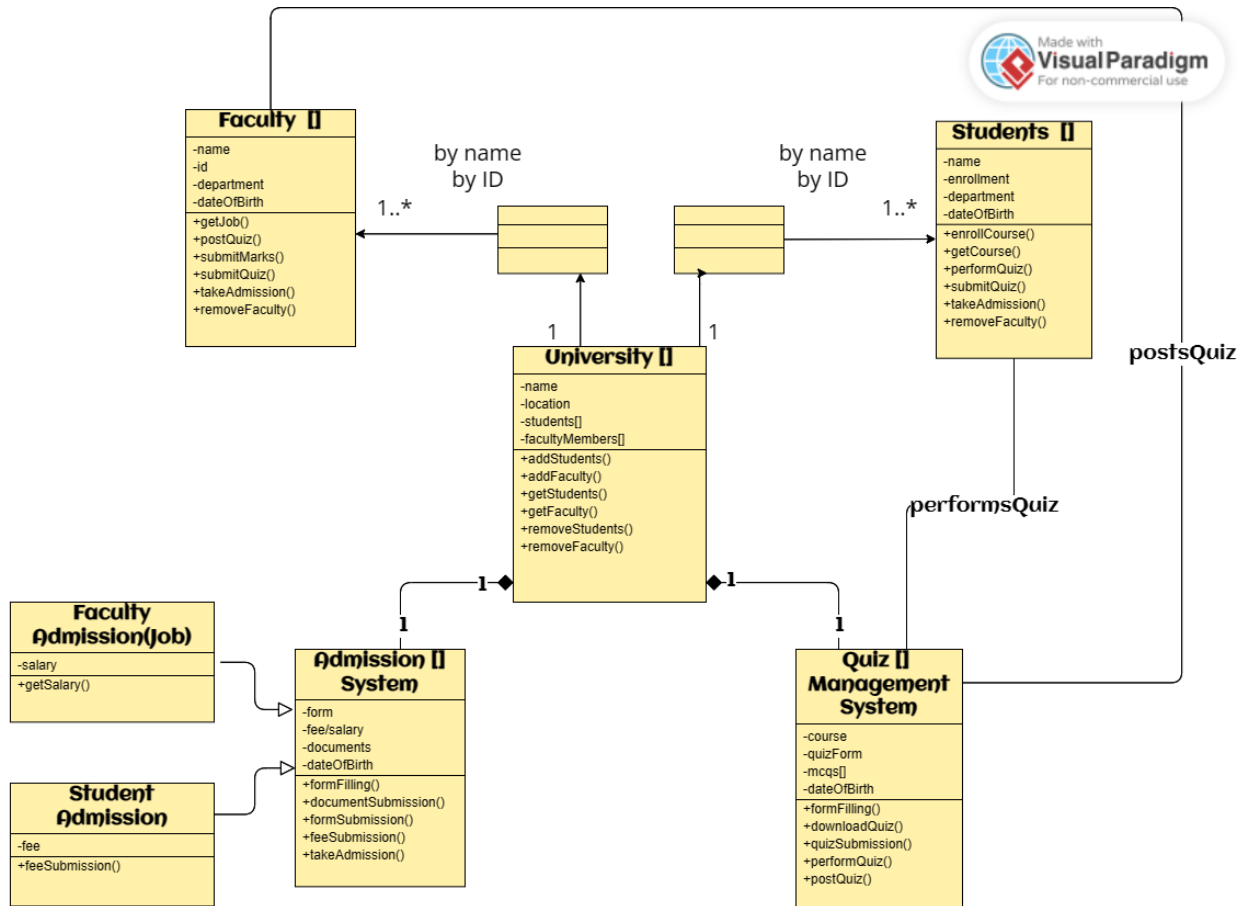


2.1.2 Defining Navigation:

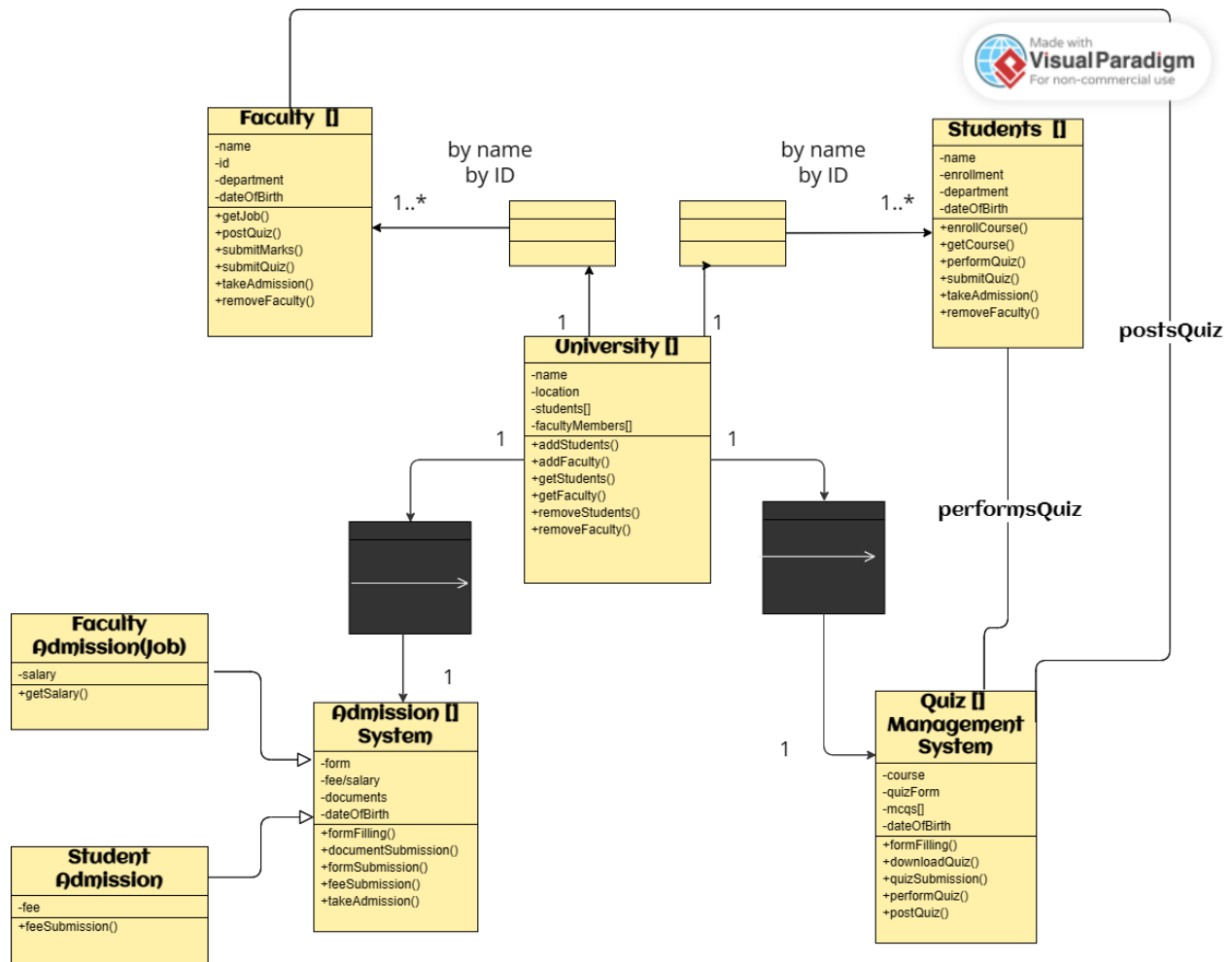


2.2 Navigational structural model

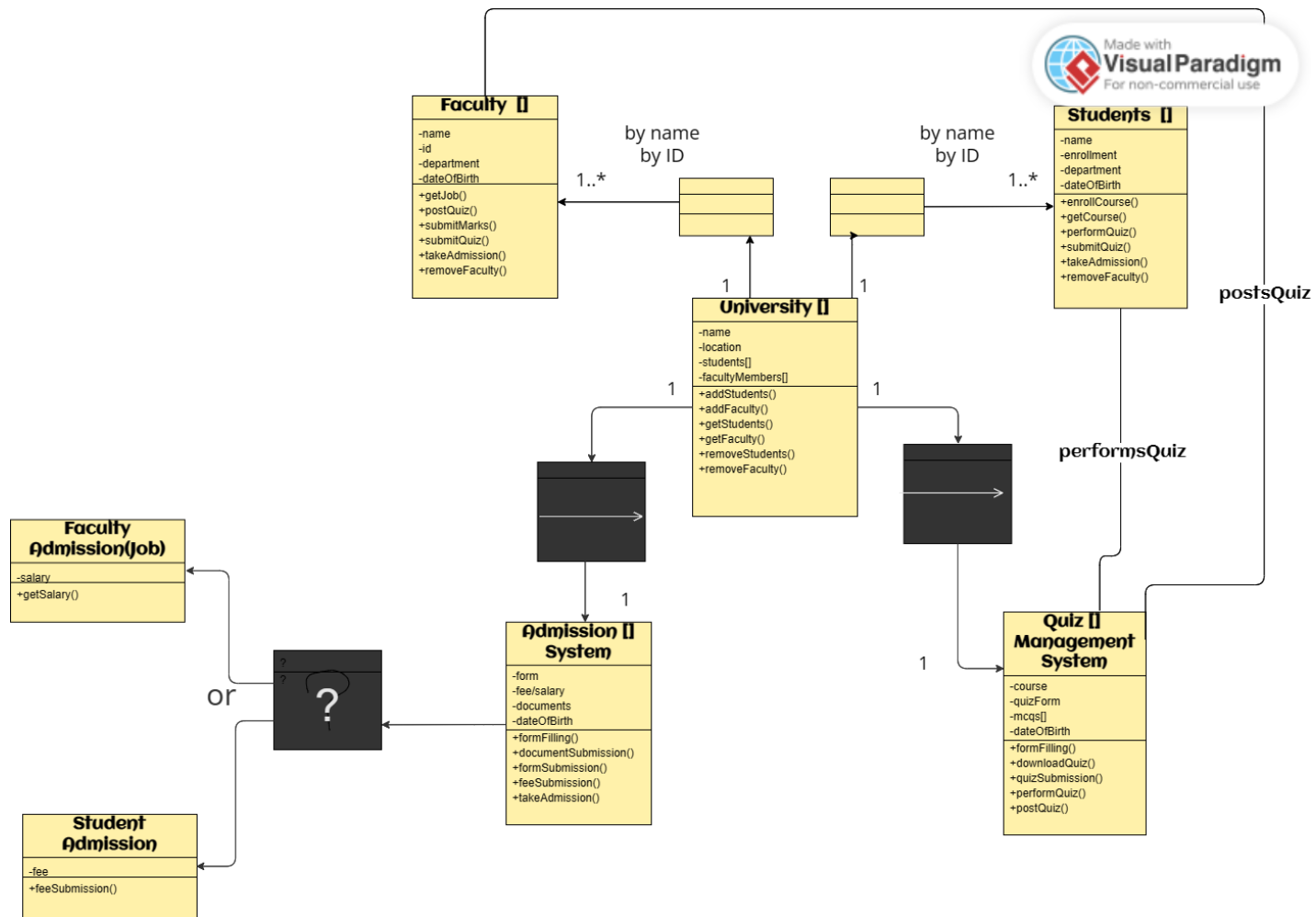
2.2.1 Indexes



2.2.2 Guided Tours



2.2.3 Queries



2.2.4 Menus

