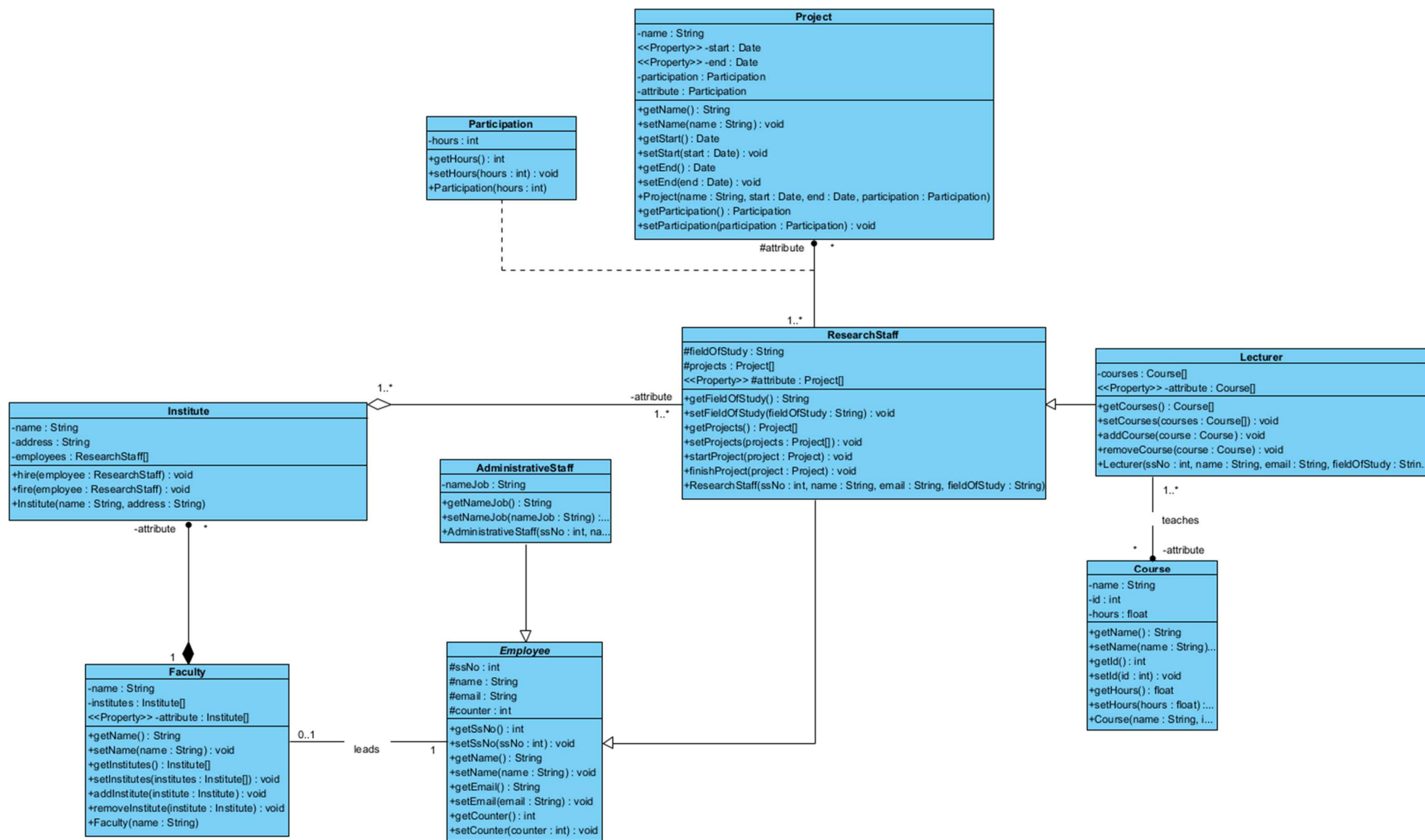
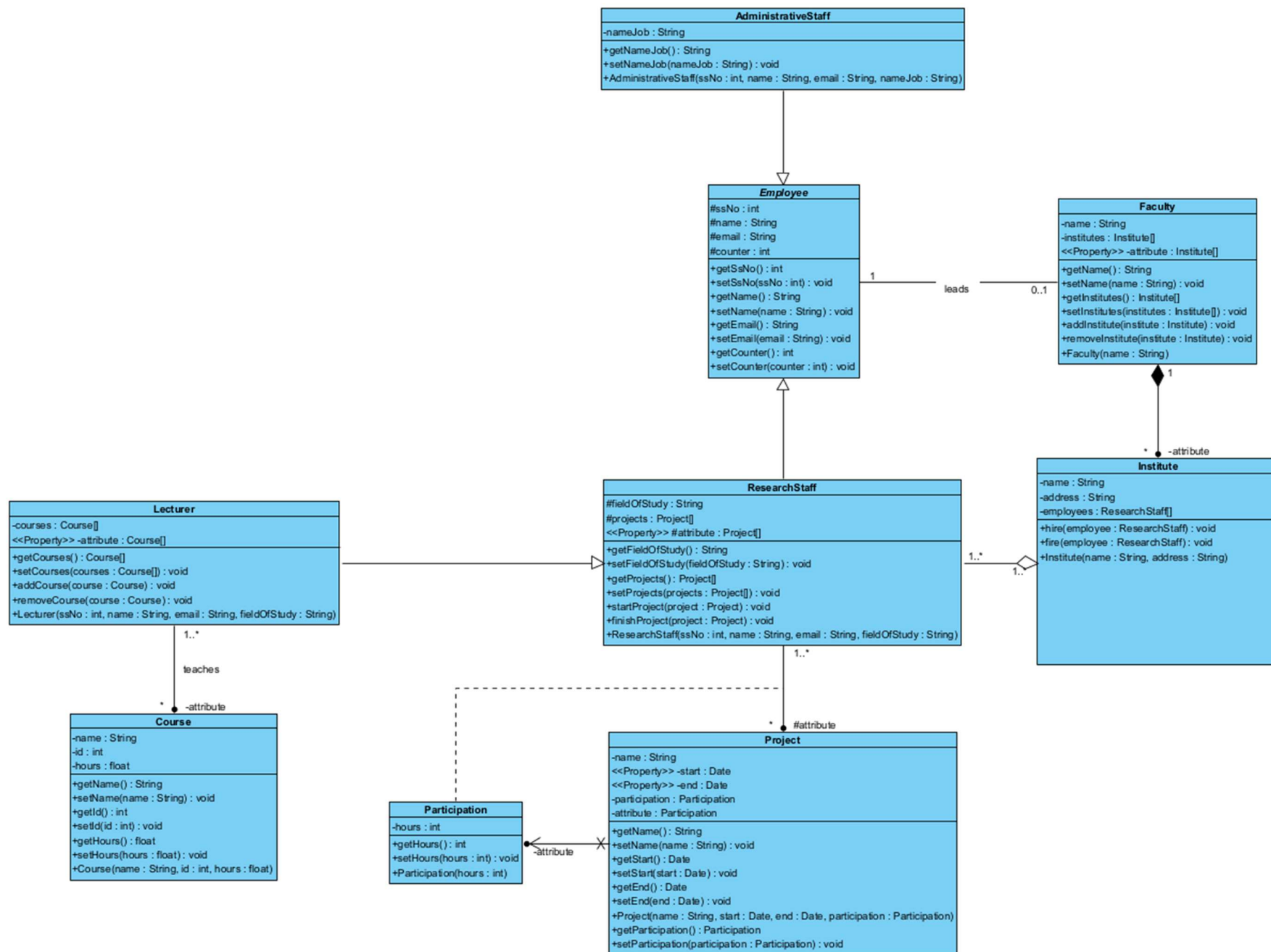


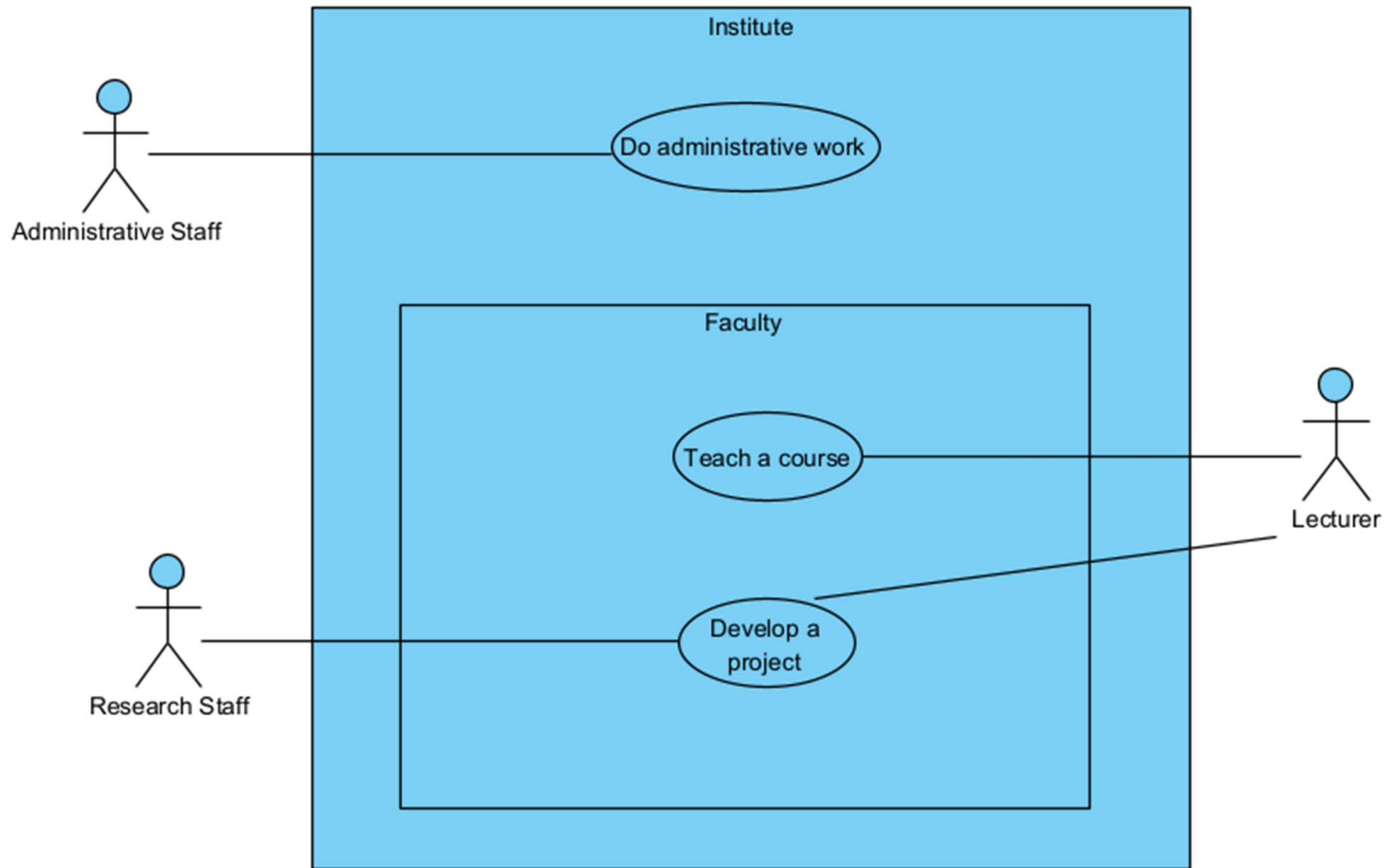
# 1. Диаграмма классов



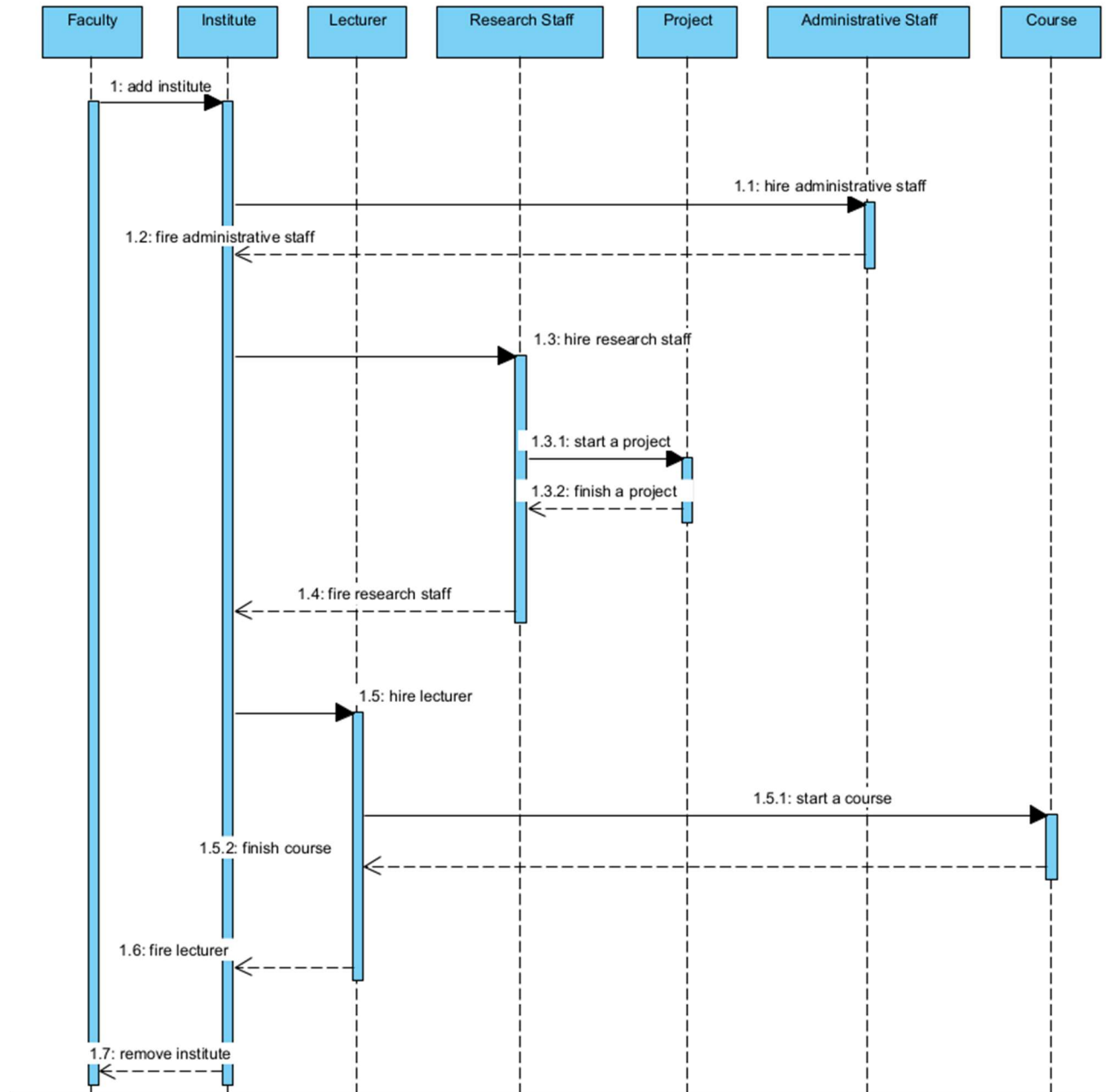
## 2. Сгенерированная диаграмма классов



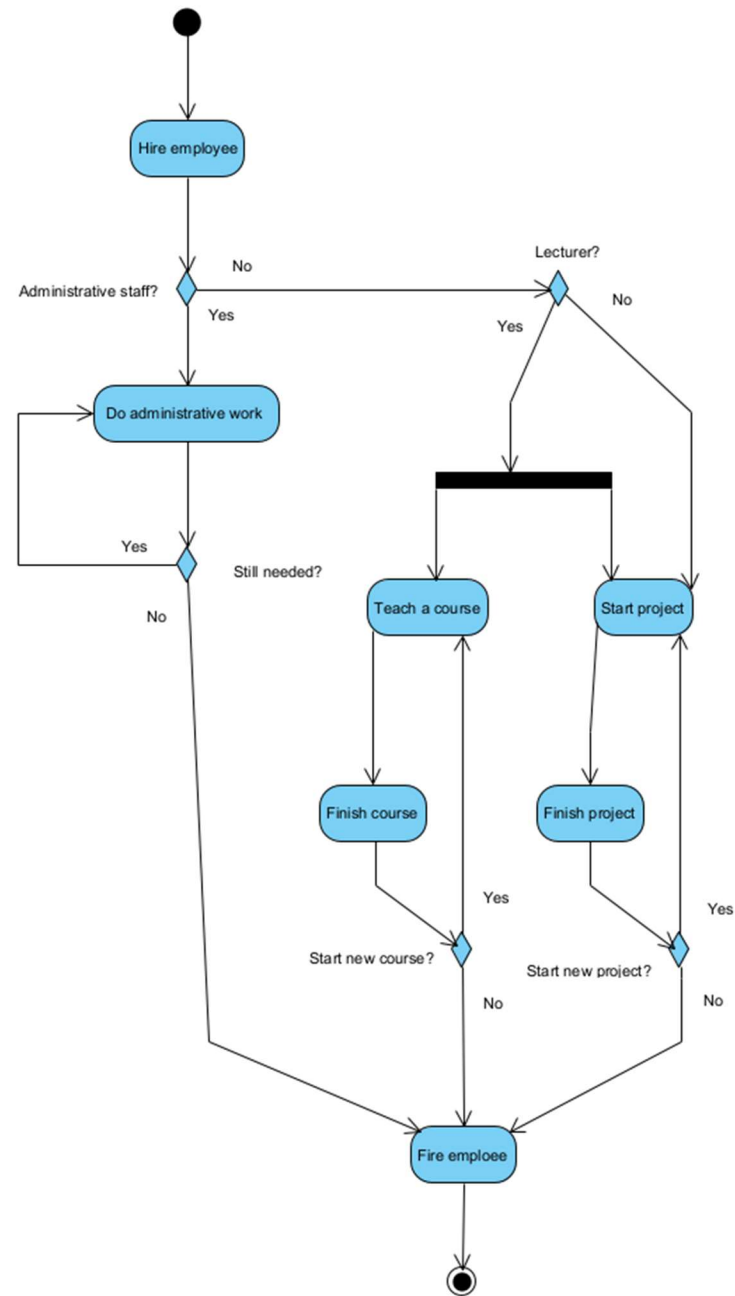
### 3. Use Case



## 4. Sequence



## 5. Activity



## 6. Ввод

```
public static void main(String[] args) throws ParseException {
    Faculty csf = new Faculty( name: "Computer Science Faculty");
    Institute vsu = new Institute( name: "Voronezh State University", address: "University square, 1");
    Institute fi = new Institute( name: "Forestry Institute", address: "Timeryazeva street, 8");
    csf.setInstitutes(new Institute[]{vsu, fi});

    ResearchStaff employee1 = new ResearchStaff( ssNo: 1, name: "Aleksey Popovich", email: "alpop@gmail.com", fieldOfStudy: "economy");
    ResearchStaff employee2 = new ResearchStaff( ssNo: 2, name: "Dobryna Nikitich", email: "dobronik@gmail.com", fieldOfStudy: "economy");
    ResearchStaff employee3 = new ResearchStaff( ssNo: 3, name: "Ilya Murometc", email: "ilyamurom@gmail.com", fieldOfStudy: "finance");
    ResearchStaff employee4 = new ResearchStaff( ssNo: 4, name: "Svyztogor Velikiy", email: "bigmount@gmail.com", fieldOfStudy: "finance");
    vsu.setEmployees(new ResearchStaff[]{employee1, employee3});
    fi.setEmployees(new ResearchStaff[]{employee2, employee4});

    Project project1 = new Project( name: "Lizard strangling 101",
        new SimpleDateFormat( pattern: "dd.MM.yyyy" ).parse( source: "01.01.2023" ),
        new SimpleDateFormat( pattern: "dd.MM.yyyy" ).parse( source: "29.12.2023" ), new Participation( hours: 5));
    employee1.setProjects(new Project[]{project1});

    Course course1 = new Course( name: "Baikal Water: Simple truths", id: 25, hours: 60);
    Lecturer lecturer1 = new Lecturer( ssNo: 5, name: "Mihail Velikiy", email: "mishathegreat@gmail.com", fieldOfStudy: "health");
    lecturer1.setCourses(new Course[]{course1});

    AdministrativeStaff administrativeStaff = new AdministrativeStaff( ssNo: 6,
        name: "Cave Jonson", email: "aperture@gmail.com", nameJob: "admin");
}
```

## 7. ВЫВОД

Voronezh State University

Forestry Institute

Research Associates of Voronezh State University:

Aleksey Popovich

Ilya Muromets

Research Staff of Forestry Institute:

Dobryna Nikitich

Svyztogor Velikiy

Projects of Aleksey Popovich:

Lizard strangling 101

Courses of Mihail Velikiy:

Baikal Water: Simple truths

Administrator:

Cave Jonson