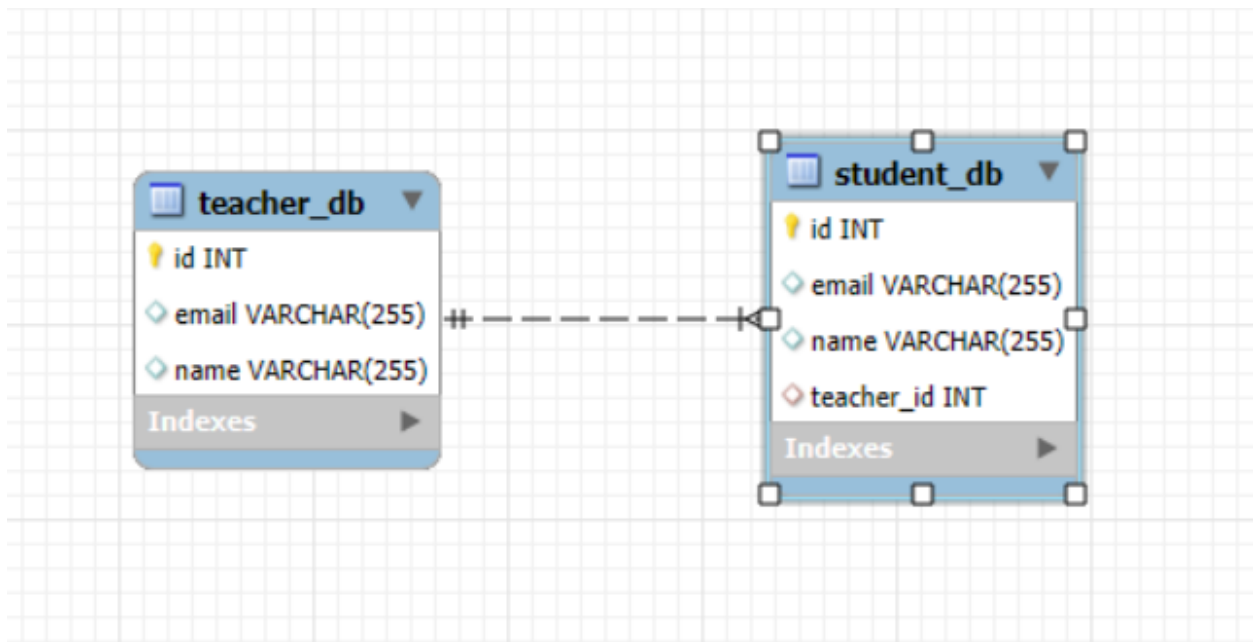


## Student <-> Teacher Relationship



Controllers:

Student Controller

```
File Edit Selection View Go Run Terminal Help
src > main > java > com > glappdev > glappdev > Controller > StudentController.java
public class StudentController {
    @Autowired
    private StudentService studentService;

    // Add a new student
    @PostMapping("/addStudent")
    public Student addStudent(@RequestBody Student student) {
        return studentService.saveDetails(student);
    }

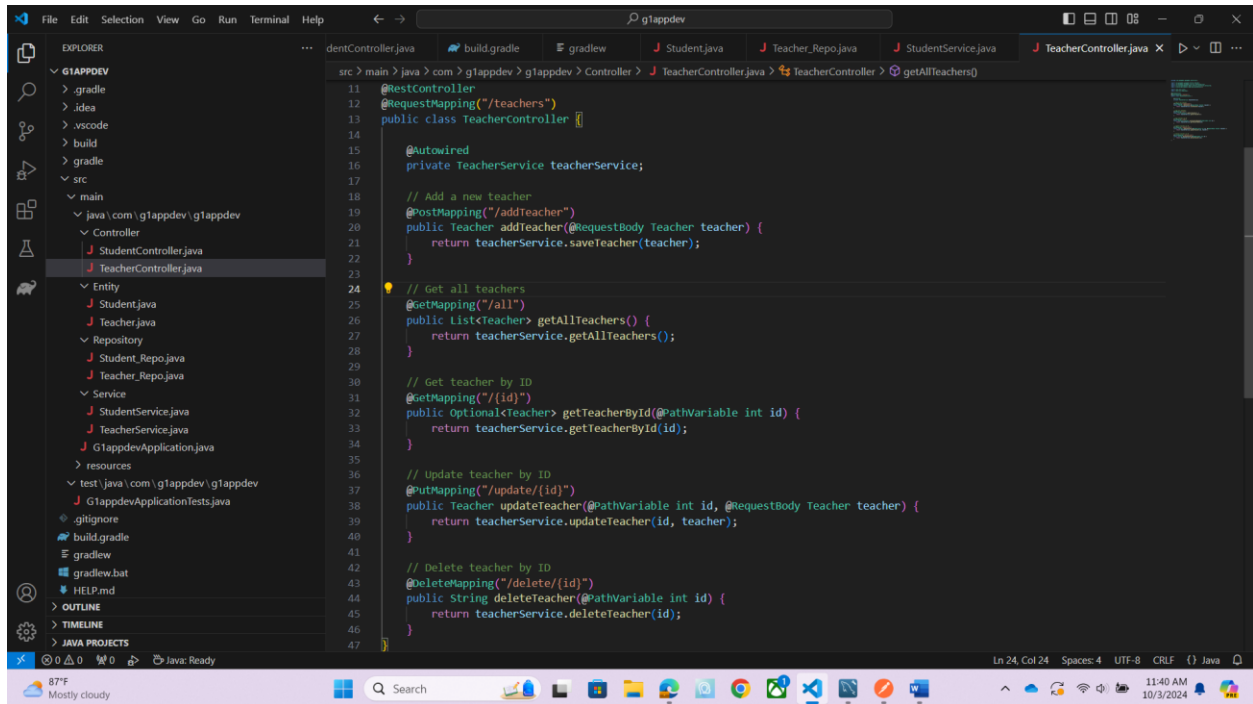
    // Get all students
    @GetMapping("/all")
    public List<Student> getAllStudents() {
        return studentService.getAllStudents();
    }

    // Get students by teacher ID
    @GetMapping("/teacher/{teacherId}")
    public List<Student> getStudentsByTeacherId(@PathVariable int teacherId) {
        return studentService.getStudentsByTeacherId(teacherId);
    }

    // Update a student by ID
    @PutMapping("/update/{id}")
    public Student updateStudent(@PathVariable int id, @RequestBody Student student) {
        return studentService.updateStudent(id, student);
    }

    // Delete a student by ID
    @DeleteMapping("/delete/{id}")
    public String deleteStudent(@PathVariable int id) {
        return studentService.deleteStudent(id);
    }
}
```

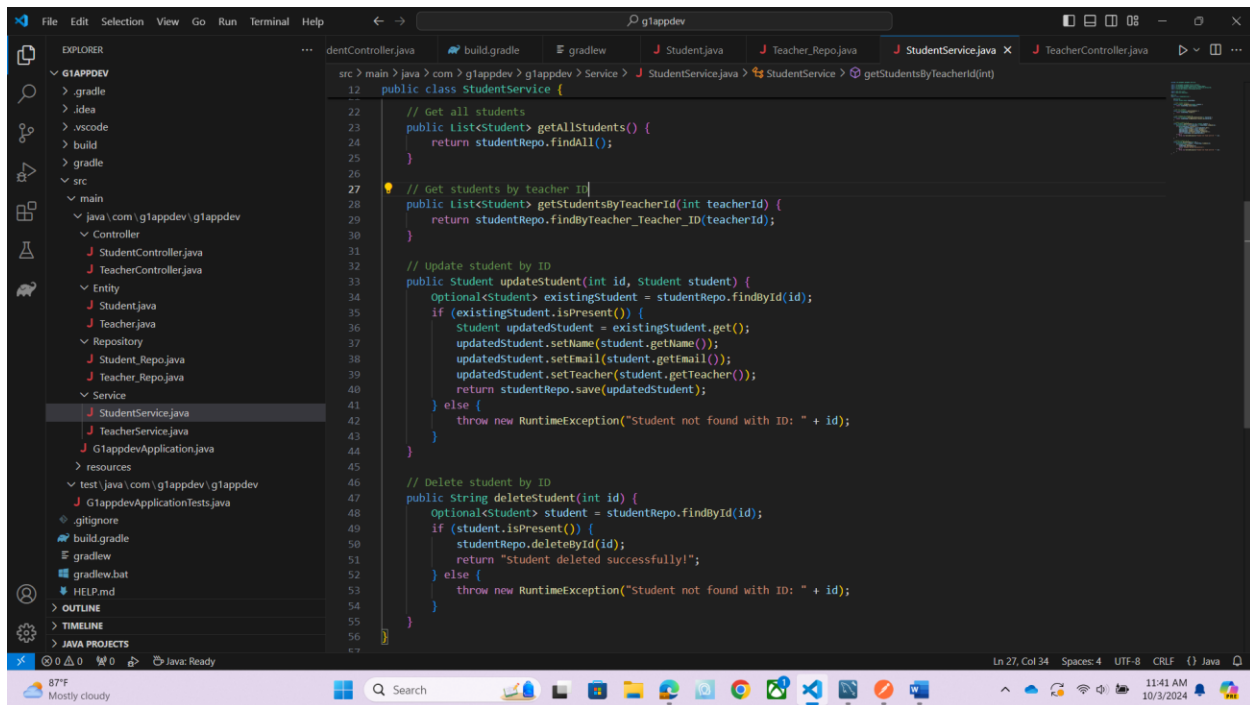
## Teacher Controller



```
11 @RestController
12 @RequestMapping("/teachers")
13 public class TeacherController {
14
15     @Autowired
16     private TeacherService teacherService;
17
18     // Add a new teacher
19     @PostMapping("/addTeacher")
20     public Teacher addTeacher(@RequestBody Teacher teacher) {
21         return teacherService.saveTeacher(teacher);
22     }
23
24     // Get all teachers
25     @GetMapping("/all")
26     public List<Teacher> getAllTeachers() {
27         return teacherService.getAllTeachers();
28     }
29
30     // Get teacher by ID
31     @GetMapping("/{id}")
32     public Optional<Teacher> getTeacherById(@PathVariable int id) {
33         return teacherService.getTeacherById(id);
34     }
35
36     // Update teacher by ID
37     @PutMapping("/update/{id}")
38     public Teacher updateTeacher(@PathVariable int id, @RequestBody Teacher teacher) {
39         return teacherService.updateTeacher(id, teacher);
40     }
41
42     // Delete teacher by ID
43     @DeleteMapping("/delete/{id}")
44     public String deleteTeacher(@PathVariable int id) {
45         return teacherService.deleteTeacher(id);
46     }
47 }
```

Services:

StudentService



## TeacherService

