Начало работы создание сущностей, репозиториев, мапперов и эндпоинтов.

```java
package com.simul_tech.netgenius.models;

import jakarta.persistence.*;
import lombok.Data;
import java.time.LocalDate;

@Entity   23 usages   & Boris Osovitsky
@Table(name = "students")
@Data
public class Student {
    @Id   no usages
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private Long id;

    @Column(nullable = false)   no usages
    private String fullName;

    @Column(nullable = false)   no usages
    private String group;

    @Column(nullable = false)   no usages
    private LocalDate enrollmentDate;
}
```

```java
package com.simul_tech.netgenius.repositories;

import com.simul_tech.netgenius.models.Student;
import org.springframework.data.jpa.repository.JpaRepository;
import org.springframework.stereotype.Repository;

import java.time.LocalDate;
import java.util.List;

@Repository   3 usages   & Boris Osovitsky
public interface StudentRepository extends JpaRepository<Student, Long> {
    List<Student> findByFullNameContainingIgnoreCase(String partialName);   1 usage   & Boris Osovitsky
    List<Student> findByGroup(String groupName);   1 usage   & Boris Osovitsky
    List<Student> findByGroupContaining(String groupPart);   no usages   & Boris Osovitsky
    List<Student> findByEnrollmentDateBetween(LocalDate startDate, LocalDate endDate);   1 usage   & Boris Osovitsky
    List<Student> findByFullNameAndGroup(String fullName, String group);   1 usage   & Boris Osovitsky
}
```

```java
package com.simul_tech.netgenius.services;

import com.simul_tech.netgenius.models.Student;
import com.simul_tech.netgenius.repositories.StudentRepository;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Service;

import java.time.LocalDate;
import java.util.List;
import java.util.Optional;

@Service    3 usages    & Boris Osovitsky
public class StudentService {
    private final StudentRepository studentRepository;    12 usages

    @Autowired    no usages    & Boris Osovitsky
    public StudentService(StudentRepository studentRepository) {
        this.studentRepository = studentRepository;
    }

    public Student createStudent(Student student) {    1 usage    & Boris Osovitsky
        return studentRepository.save(student);
    }

    public Optional<Student> getStudentById(Long id) {    1 usage    & Boris Osovitsky
        return studentRepository.findById(id);
    }

    public List<Student> getAllStudents() {    no usages    & Boris Osovitsky
        return studentRepository.findAll();
    }
```

```java
public class StudentService {

    public Student updateStudent(Long id, Student studentDetails) {    1 usage    & Boris Osovitsky
        Student student = studentRepository.findById(id)
                .orElseThrow(() -> new RuntimeException("Student not found"));

        student.setFullName(studentDetails.getFullName());
        student.setGroup(studentDetails.getGroup());
        student.setEnrollmentDate(studentDetails.getEnrollmentDate());

        return studentRepository.save(student);
    }

    public void deleteStudent(Long id) {    1 usage    & Boris Osovitsky
        studentRepository.deleteById(id);
    }

    public List<Student> filterStudents(String fullName, String group, LocalDate startDate, LocalDate endDate) {    1 us
        if (fullName != null && group != null) {
            return studentRepository.findByFullNameAndGroup(fullName, group);
        } else if (fullName != null) {
            return studentRepository.findByFullNameContainingIgnoreCase(fullName);
        } else if (group != null) {
            return studentRepository.findByGroup(group);
        } else if (startDate != null && endDate != null) {
            return studentRepository.findByEnrollmentDateBetween(startDate, endDate);
        }
        return studentRepository.findAll();
    }
}
```

```java
package com.simul_tech.netgenius.controllers;

import com.simul_tech.netgenius.models.Student;
import com.simul_tech.netgenius.services.StudentService;
import io.swagger.v3.oas.annotations.Operation;
import io.swagger.v3.oas.annotations.tags.Tag;
import org.springframework.http.HttpStatus;
import org.springframework.http.ResponseEntity;
import org.springframework.web.bind.annotation.*;

import java.time.LocalDate;
import java.util.List;

@RestController    no usages    & Boris Osovitsky
@RequestMapping("/api/students")
@Tag(name = "Student Management")
public class StudentController {
    private final StudentService studentService;    6 usages

    public StudentController(StudentService studentService) {    no usages    & Boris Osovitsky
        this.studentService = studentService;
    }

    @PostMapping    no usages    & Boris Osovitsky
    @Operation(summary = "Create new student")
    public ResponseEntity<Student> createStudent(@RequestBody Student student) {
        return new ResponseEntity<>(studentService.createStudent(student), HttpStatus.CREATED);
    }

    @GetMapping    no usages    & Boris Osovitsky
    @Operation(summary = "Get all/filtered students")
    public ResponseEntity<List<Student>> getStudents(
            @RequestParam(required = false) String fullName,
            @RequestParam(required = false) String group,
            @RequestParam(required = false) LocalDate startDate,
            @RequestParam(required = false) LocalDate endDate) {
        return ResponseEntity.ok(studentService.filterStudents(fullName, group, startDate, endDate));
    }

    @GetMapping("/{id}")    no usages    & Boris Osovitsky
    @Operation(summary = "Get student by ID")
    public ResponseEntity<Student> getStudent(@PathVariable Long id) {
        return studentService.getStudentById(id)    Optional<Student>
                .map(ResponseEntity::ok)    Optional<ResponseEntity<...>>
                .orElse(ResponseEntity.notFound().build());
    }

    @PutMapping("/{id}")    no usages    & Boris Osovitsky
    @Operation(summary = "Update student")
    public ResponseEntity<Student> updateStudent(@PathVariable Long id, @RequestBody Student student) {
        return ResponseEntity.ok(studentService.updateStudent(id, student));
    }

    @DeleteMapping("/{id}")    no usages    & Boris Osovitsky
    @Operation(summary = "Delete student")
    public ResponseEntity<Void> deleteStudent(@PathVariable Long id) {
        studentService.deleteStudent(id);
        return ResponseEntity.noContent().build();
    }
}
```