STM-Middle Tier

By

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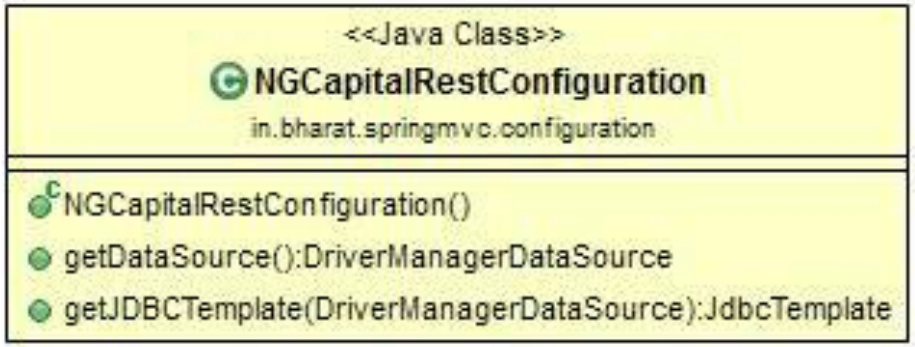
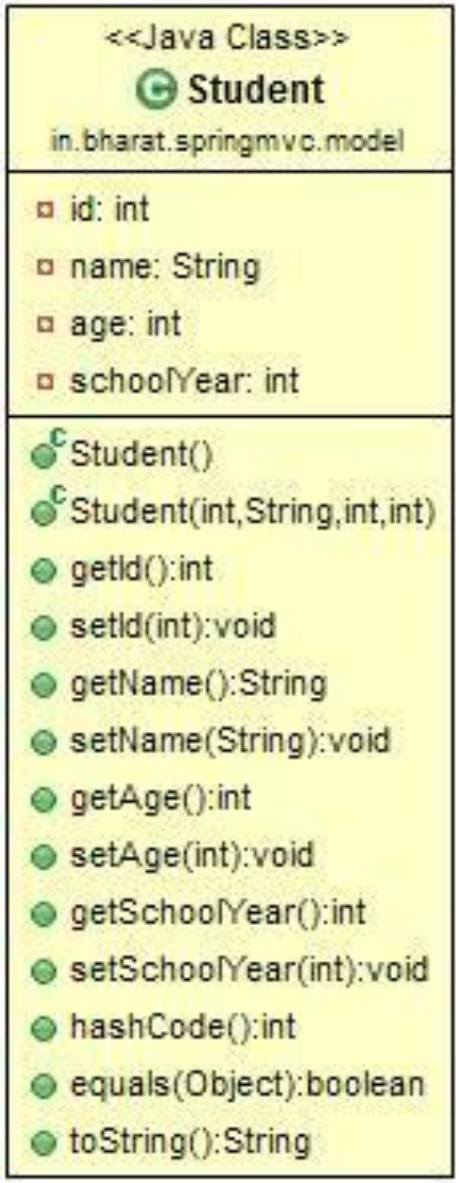
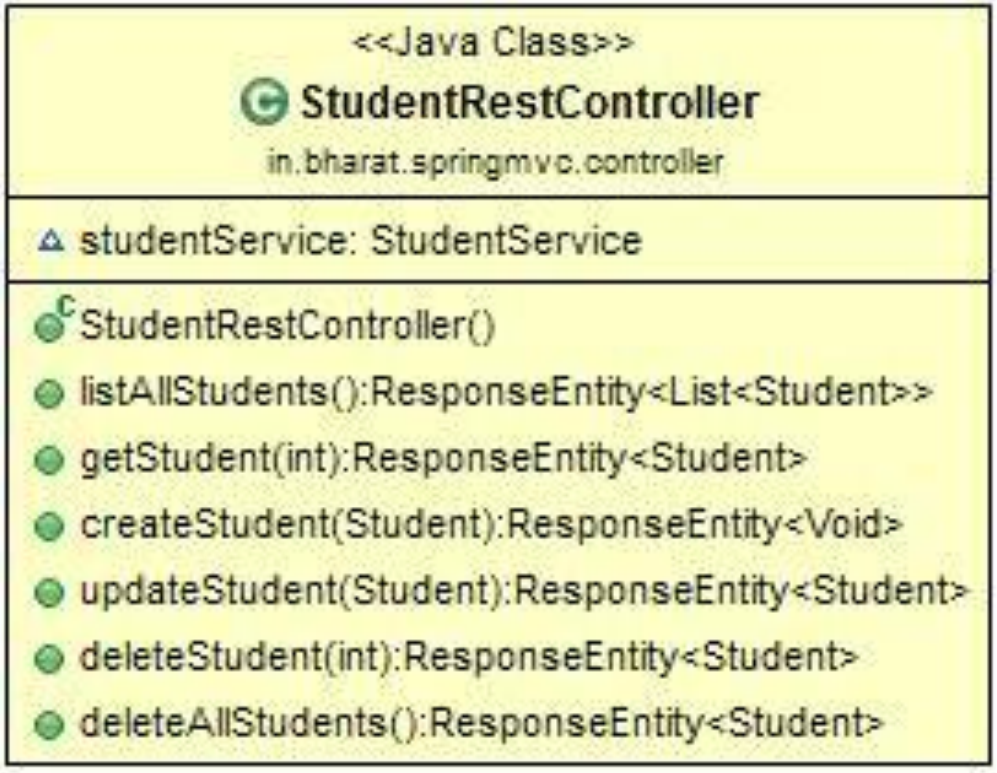
CONFIGURATION



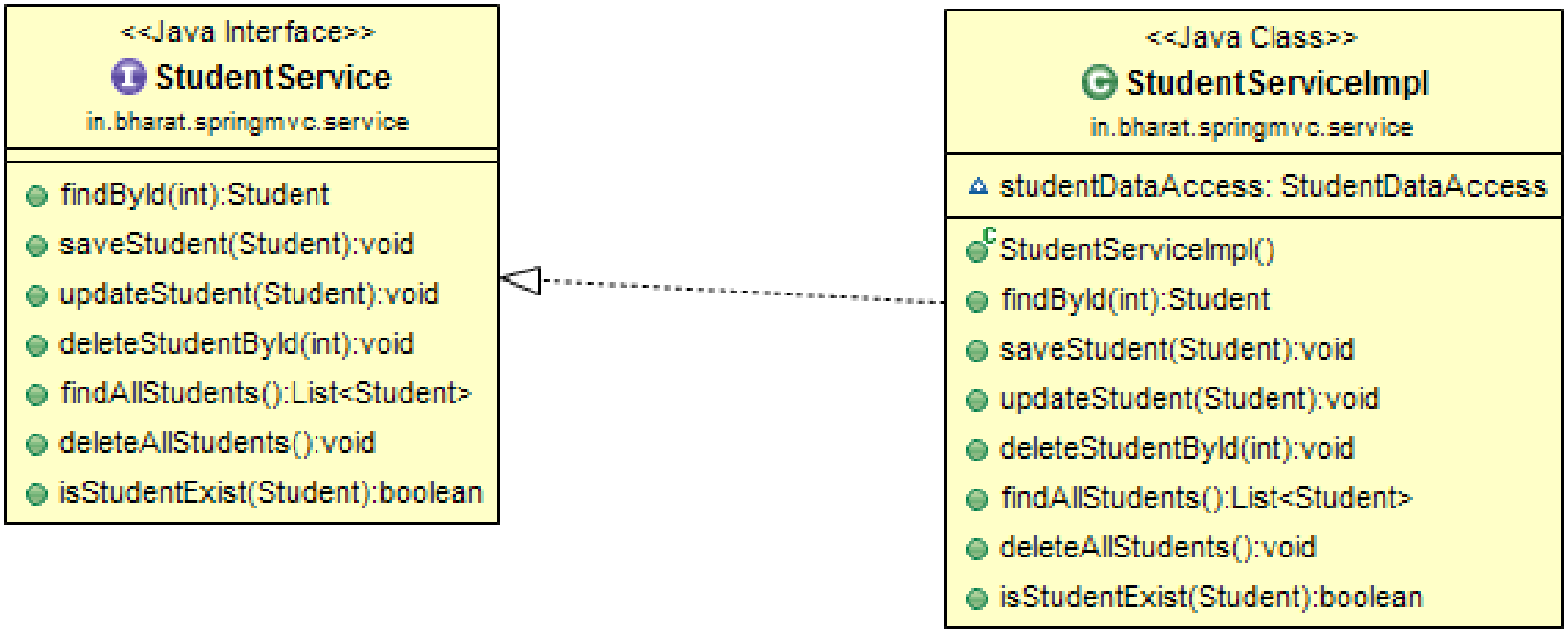

<<Java Class>>
Student
in.bharat.springmvc.model
id: int
name: String
age: int
schoolYear: int
Student()
Student(int,String,int,int)
getId():int
setId(int):void
getName():String
setName(String):void
getAge():int
setAge(int):void
getSchoolYear():int
setSchoolYear(int):void
hashCode():int
equals(Object):boolean
toString():String

MODEL

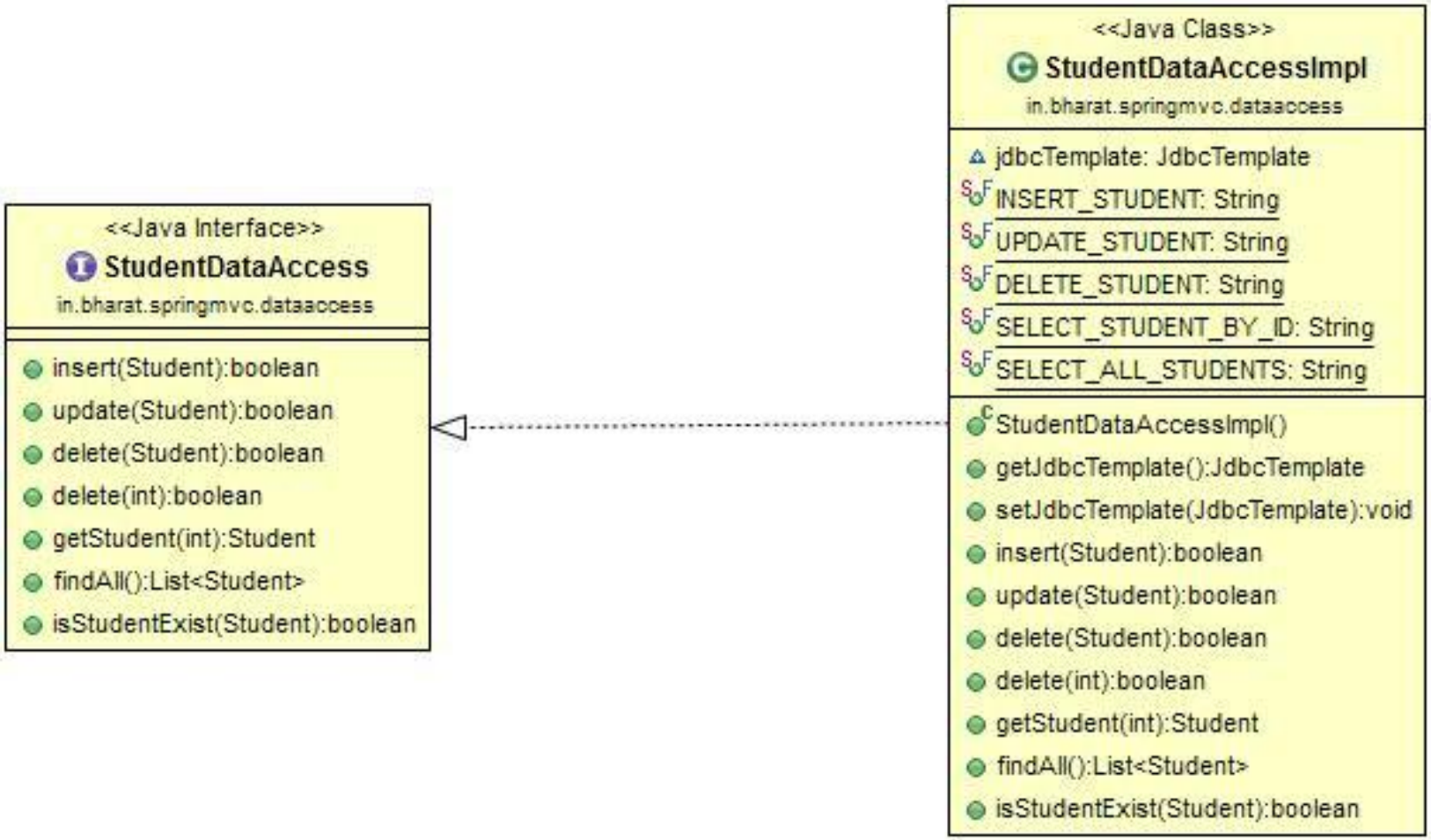
CONTROLLER


<<Java Class>>
StudentRestController
in.bharat.springmvc.controller
studentService: StudentService
StudentRestController()
listAllStudents():ResponseEntity<List<Student>>
getStudent(int):ResponseEntity<Student>
createStudent(Student):ResponseEntity<Void>
updateStudent(Student):ResponseEntity<Student>
deleteStudent(int):ResponseEntity<Student>
deleteAllStudents():ResponseEntity<Student>

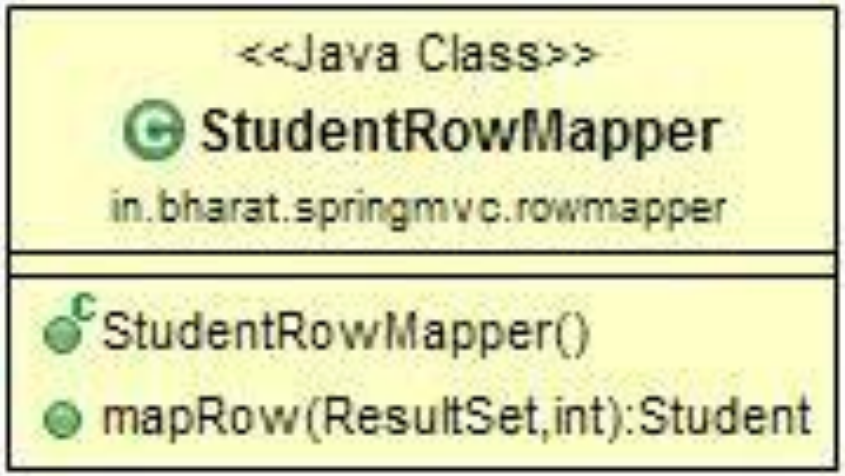
SERVICE


<<Java Interface>>
StudentService
in.bharat.springmvc.service
findById(int):Student
saveStudent(Student):void
updateStudent(Student):void
deleteStudentById(int):void
findAllStudents():List<Student>
deleteAllStudents():void
isStudentExist(Student):boolean
<<Java Class>>
StudentServiceImpl
in.bharat.springmvc.service
studentDataAccess: StudentDataAccess
StudentServiceImpl()
findById(int):Student
saveStudent(Student):void
updateStudent(Student):void
deleteStudentById(int):void
findAllStudents():List<Student>
deleteAllStudents():void
isStudentExist(Student):boolean

DATA ACCESS


<<Java Interface>>
StudentDataAccess
in.bharat.springmvc.dataaccess
insert(Student):boolean
update(Student):boolean
delete(Student):boolean
delete(int):boolean
getStudent(int):Student
findAll():List<Student>
isStudentExist(Student):boolean
<<Java Class>>
StudentDataAccessImpl
in.bharat.springmvc.dataaccess
jdbcTemplate: JdbcTemplate
INSERT_STUDENT: String
UPDATE_STUDENT: String
DELETE_STUDENT: String
SELECT_STUDENT_BY_ID: String
SELECT_ALL_STUDENTS: String
StudentDataAccessImpl()
getJdbcTemplate():JdbcTemplate
setJdbcTemplate(JdbcTemplate):void
insert(Student):boolean
update(Student):boolean
delete(Student):boolean
delete(int):boolean
getStudent(int):Student
findAll():List<Student>
isStudentExist(Student):boolean

Row Mapper


<<Java Class>>
StudentRowMapper
in.bharat.springmvc.rowmapper
StudentRowMapper()
mapRow(ResultSet,int):Student