**Browser**

* /students – GET, POST
* /students/1 – GET, PUT,DEL

**StudentController**

* @RestController
* @RequestMapping(/students)
* StudentService :: ss
* @Autowired
* Collection<S> getAllStudents 🡨 ss.getAllStudents
* @RequestMapping(GET)
* Student getStudentById 🡨 ss.getStudentById(#)
* @RequestMapping(GET, /#)
* void deleteStudentById 🡪 ss.removeStudentById(#)
* @RequestMapping(DEL, /#)
* void updateStudentById 🡪 ss.updateStudent(body)
* @RequestMapping(PUT, consumes=MediaType.JSON)
* void insertStudentById 🡪 ss.updateStudent(body)
* @RequestMapping(POST, consumes=MediaType.JSON)

**MySqlSDImpl** *impl* StudentDao

* @Component
* @Qualifier(*mySQL*)
* MysqlSDImp constructor :: studentRepo
* @Autowired
* Implements SD reqs

**FakeSDImpl** *impl* StudentDao

* @Repository
* @Qualifier(*fake*)
* Static Map students – prefilled
* Implements SD reqs

**StudentRepo** *interface*

* Extends CrudRepo <Student, Integer>

**StudentDao** *interface*

* Requires
* getAll
* getStudentById
* remove
* update
* insert

**StudentService**

* @Service
* StudentDao :: sd
* @Autowired
* @Qualifier (*fake*|*mySQL*)
* Collection<S> getAllStudents 🡨 sd.getAllStudents
* Student getStudenById(#) 🡨 sd.getStudentById(#)
* void removeStudentById(#) 🡪 sd.removeById(#)
* void updateStudent(s) 🡪 sd.update(s)
* void insertStudent(s) 🡪 sd.insert(s)