To Do List Application Presentation

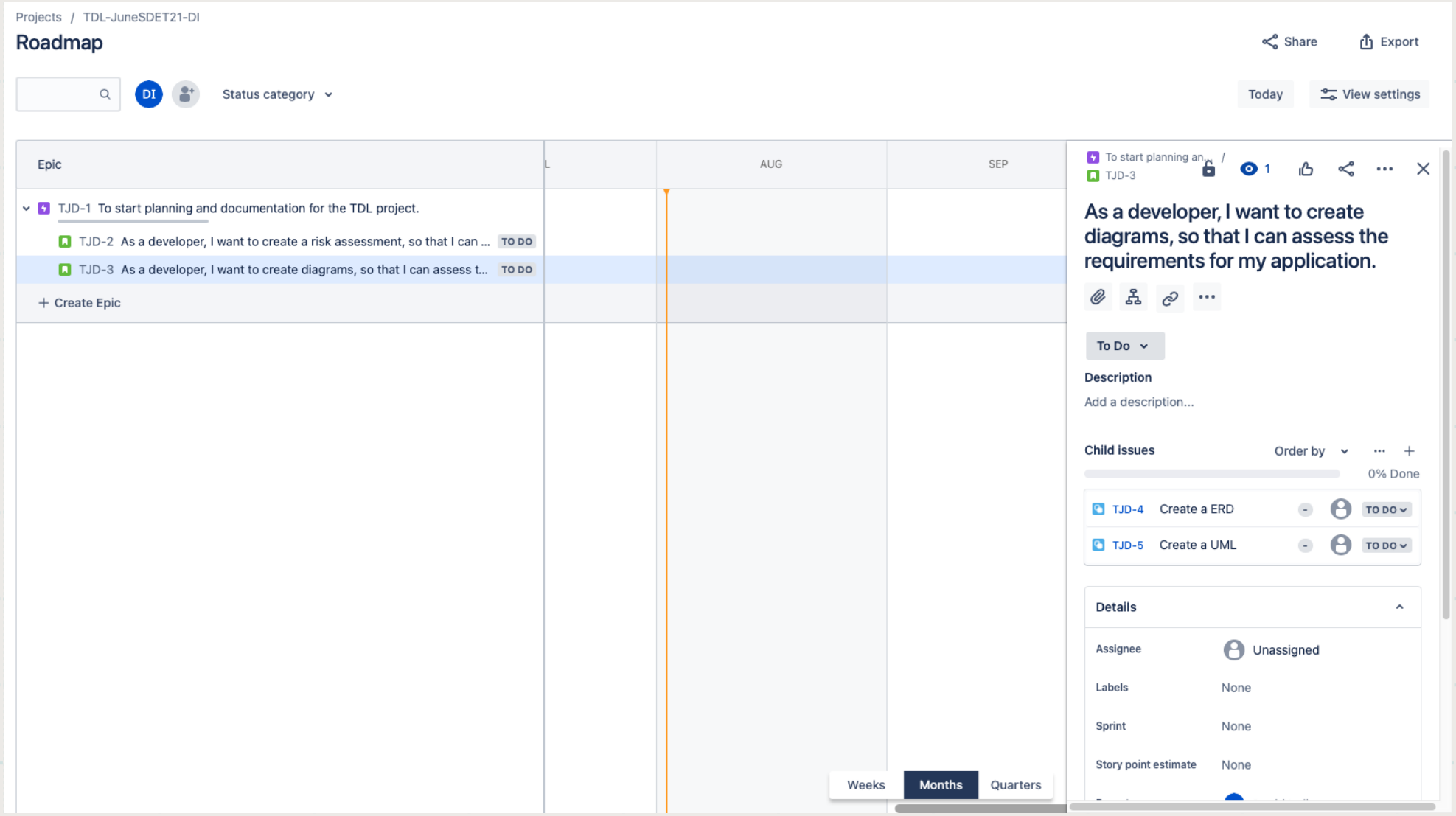
By: David Indiongco

A little bit about myself...

Technology

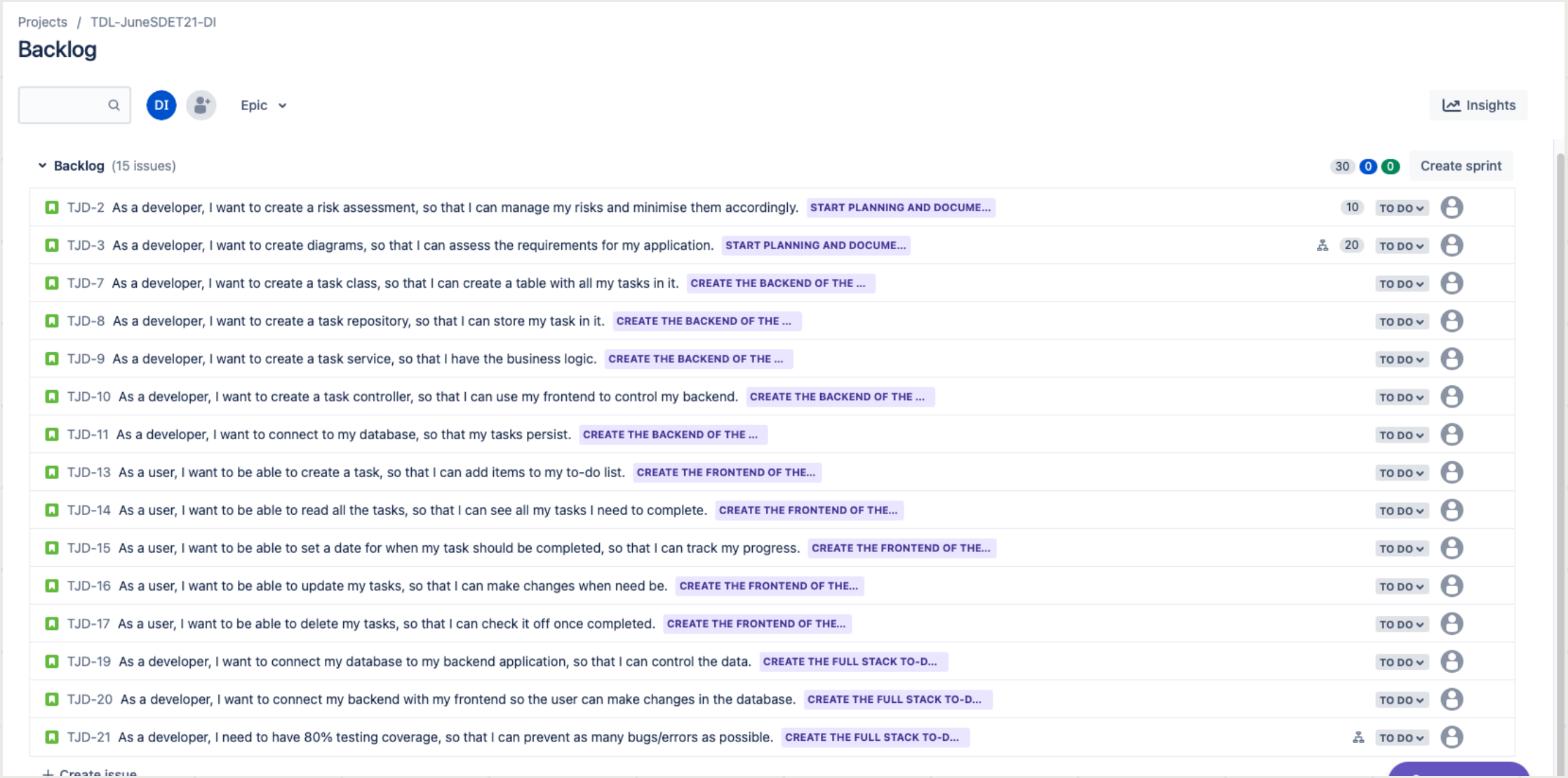
- Version Control System: Git
- Source Code Management: GitHub
- Kanban Board: Jira
- Database Management System: MySqlServer
- API Development Platform: Spring
- Front-End Web Technologies: HTML, CSS, JavaScript
- Build Tool: Maven
- Static Analysis: SonarQube
- Unit and Integration Testing: Junit, Mockito
- User-Acceptance Testing: Selenium

Planning process

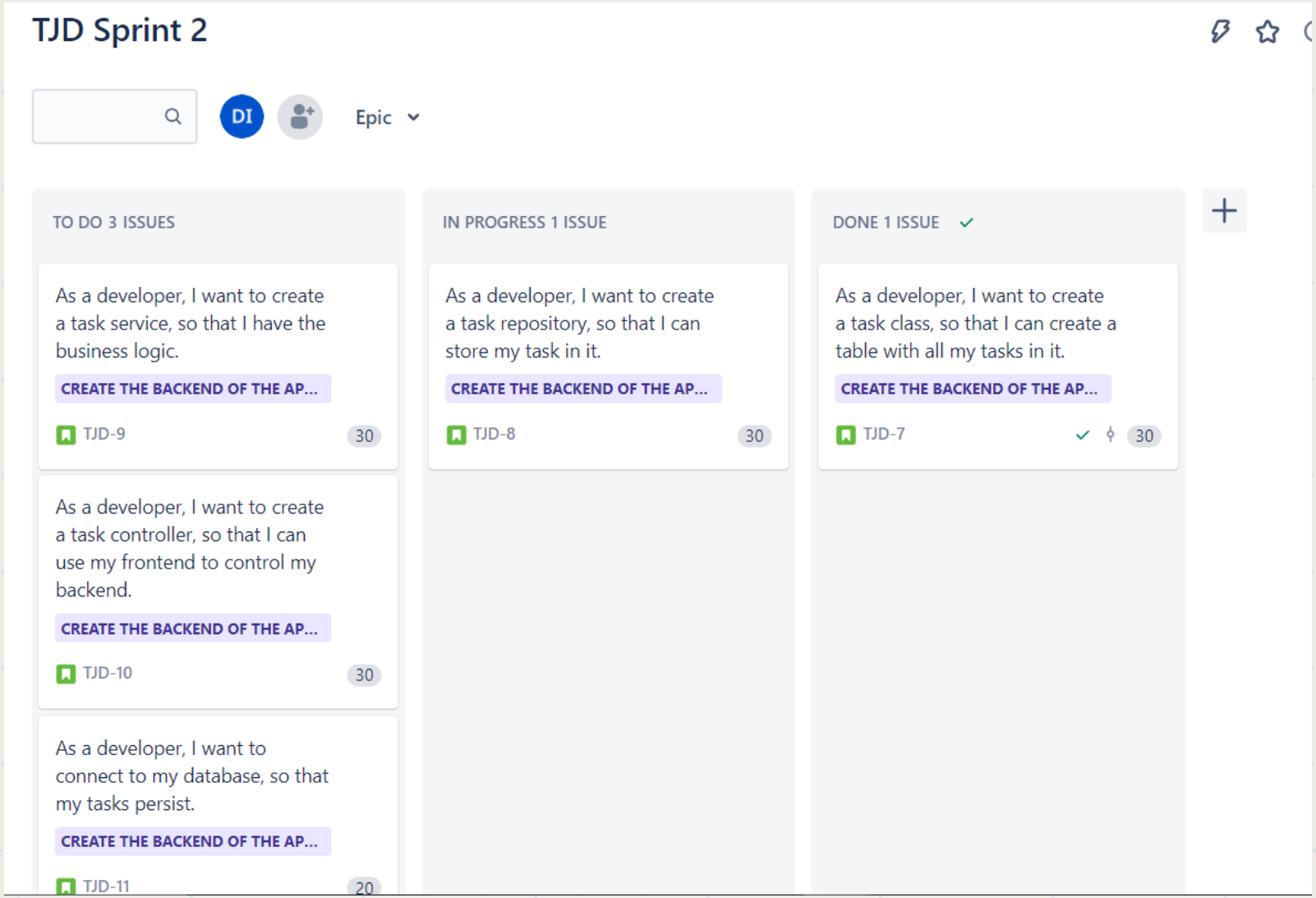


Planning process

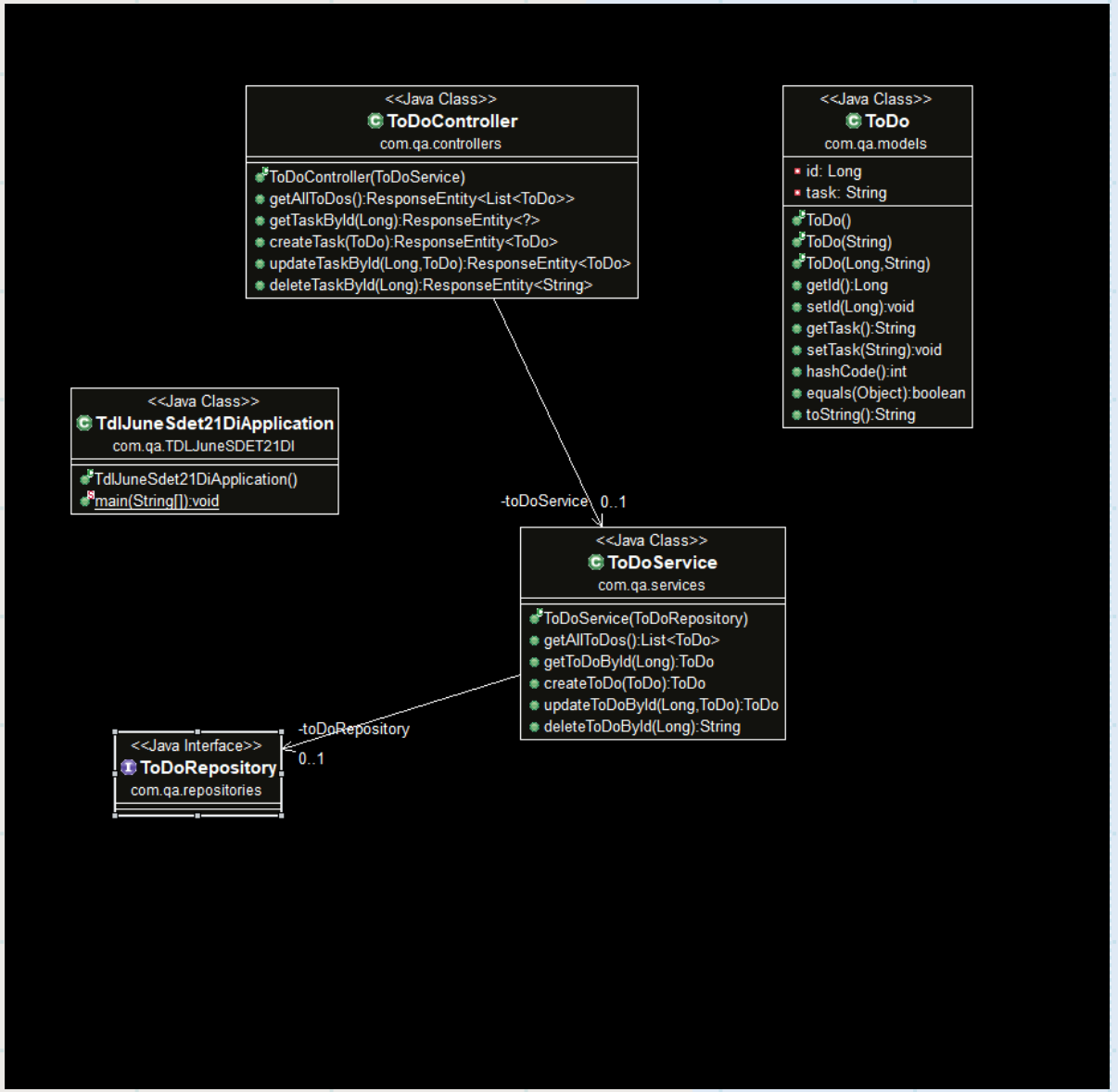
Planning process



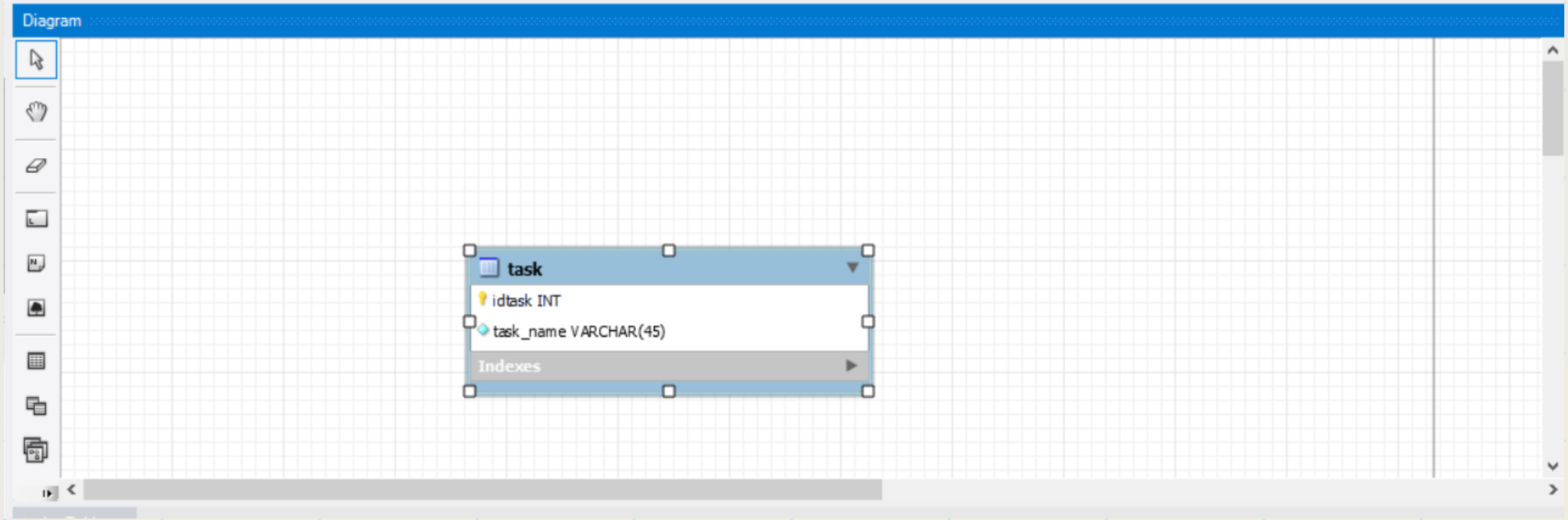
Planning process



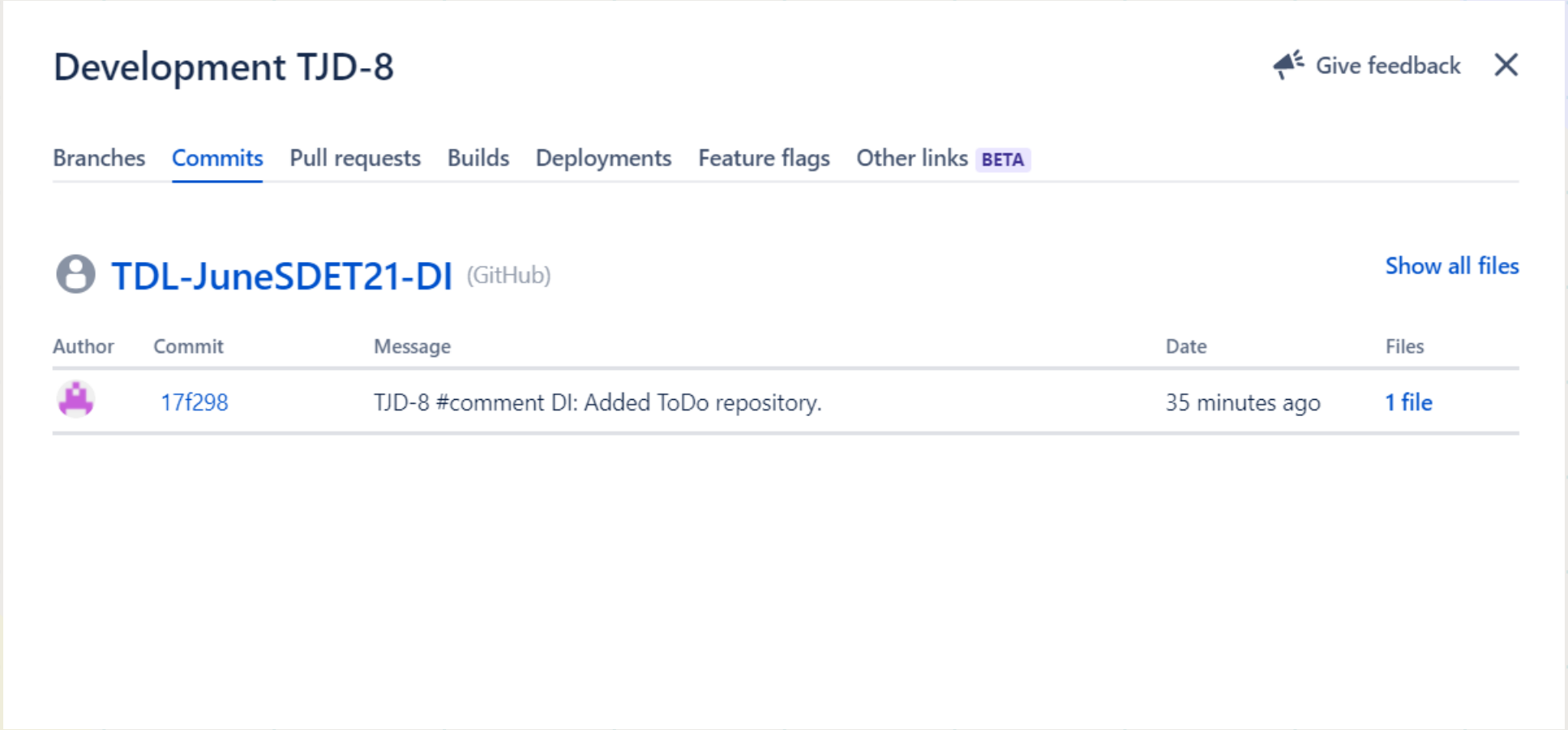
UML


<<Java Class>>
ToDoController
com.qa.controllers
ToDoController(ToDoService)
getAllToDos():ResponseEntity<List<ToDo>>
getTaskById(Long):ResponseEntity<?>
createTask(ToDo):ResponseEntity<ToDo>
updateTaskById(Long,ToDo):ResponseEntity<ToDo>
deleteTaskById(Long):ResponseEntity<String>
<<Java Class>>
ToDo
com.qa.models
id: Long
task: String
ToDo()
ToDo(String)
ToDo(Long,String)
getId():Long
setId(Long):void
getTask():String
setTask(String):void
hashCode():int
equals(Object):boolean
toString():String
<<Java Class>>
TdlJuneSdet21DiApplication
com.qa.TDLJuneSDET21DI
TdlJuneSdet21DiApplication()
main(String[]):void
-toDoService
0..1
<<Java Class>>
ToDoService
com.qa.services
ToDoService(ToDoRepository)
getAllToDos():List<ToDo>
getToDoById(Long):ToDo
createToDo(ToDo):ToDo
updateToDoById(Long,ToDo):ToDo
deleteToDoById(Long):String
-toDoRepository
0..1
<<Java Interface>>
ToDoRepository
com.qa.repositories

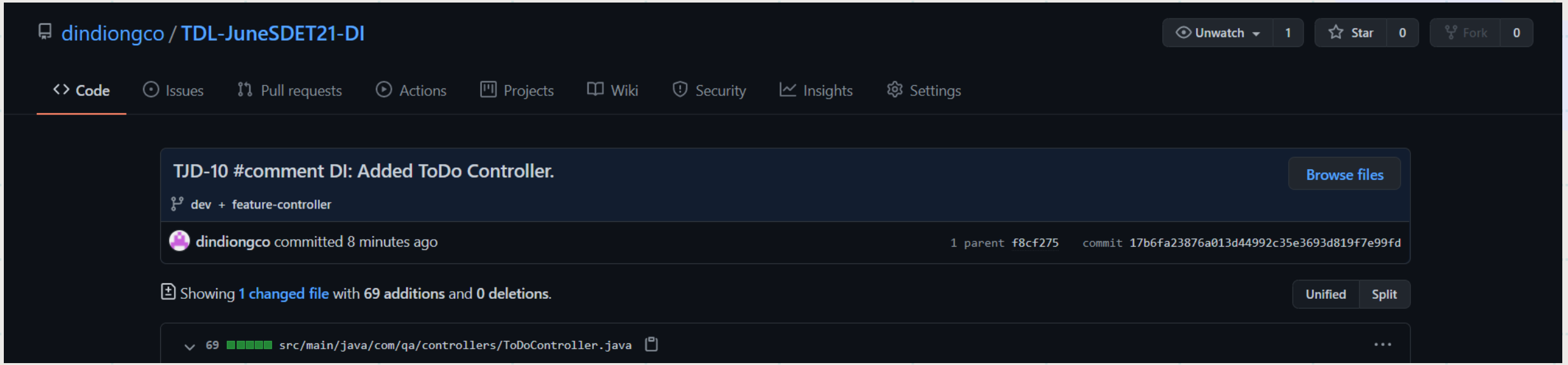
ERD



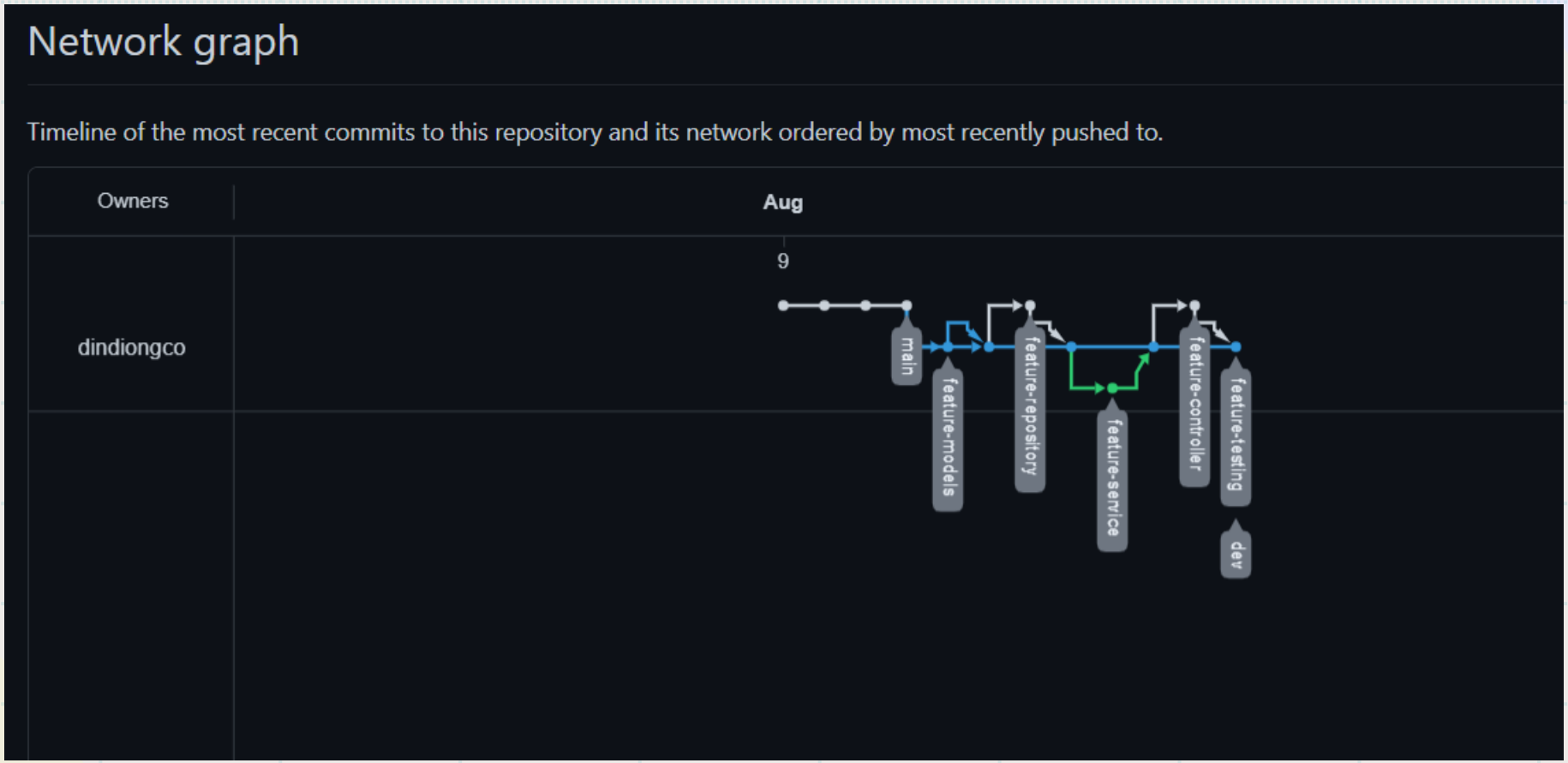
Version Control



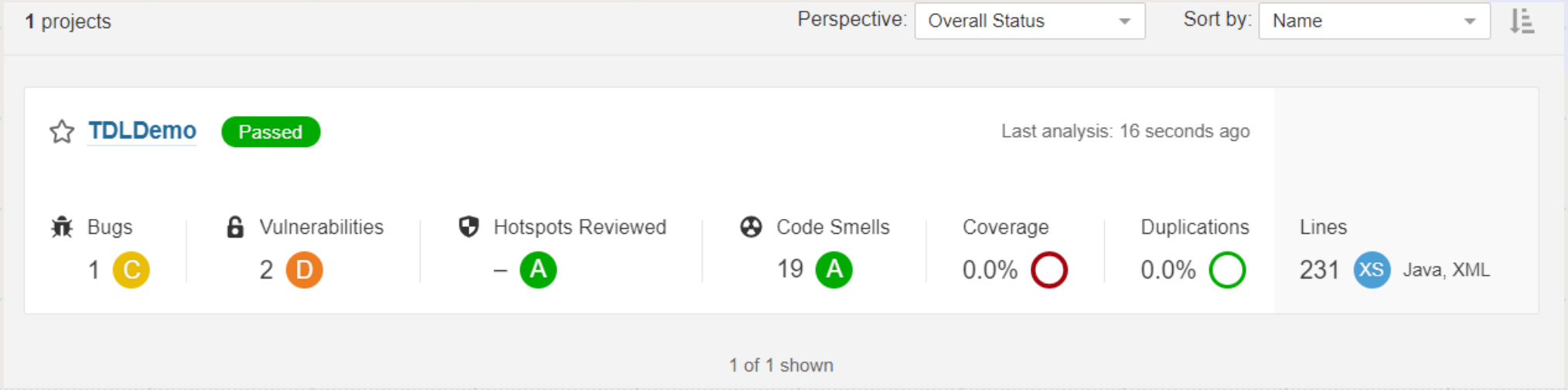
Version Control



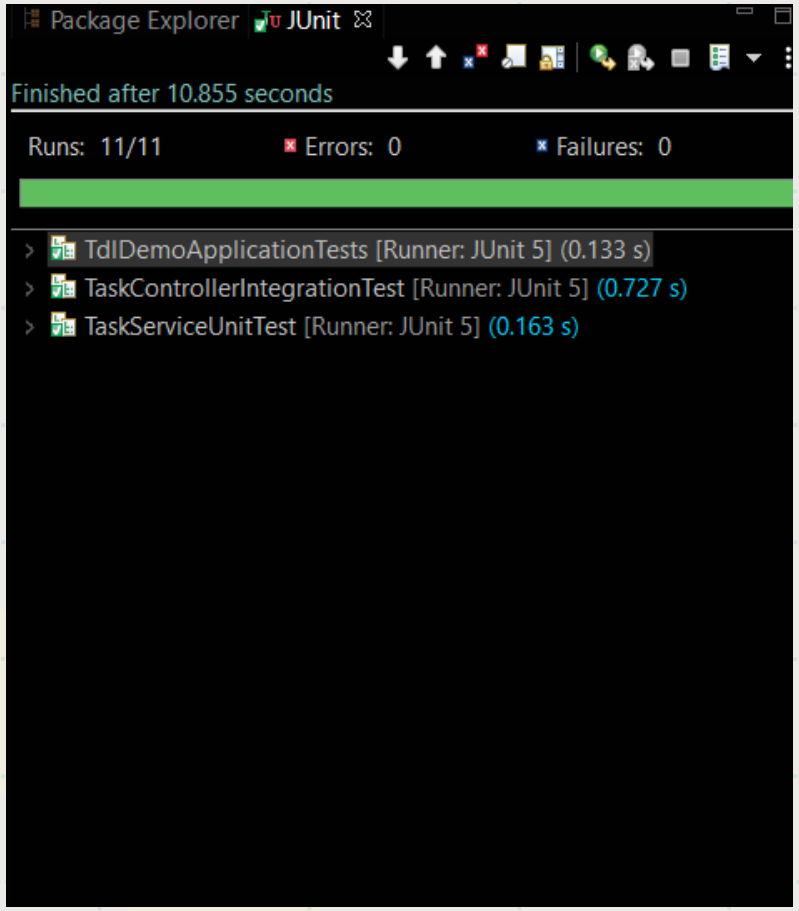
Version Control



SonarQube


1 projects
Perspective: Overall Status
Sort by: Name
TDLDemo
Passed
Last analysis: 16 seconds ago
Bugs
1 C
Vulnerabilities
2 D
Hotspots Reviewed
– A
Code Smells
19 A
Coverage
0.0%
Duplications
0.0%
Lines
231 XS Java, XML
1 of 1 shown

Testing



Element	Coverage	vered Instructions	lissed Instructions	Total Instructions
TDLDemo	94.7 %	647	36	683
src/main/java	87.5 %	230	33	263
src/test/java	99.3 %	417	3	420

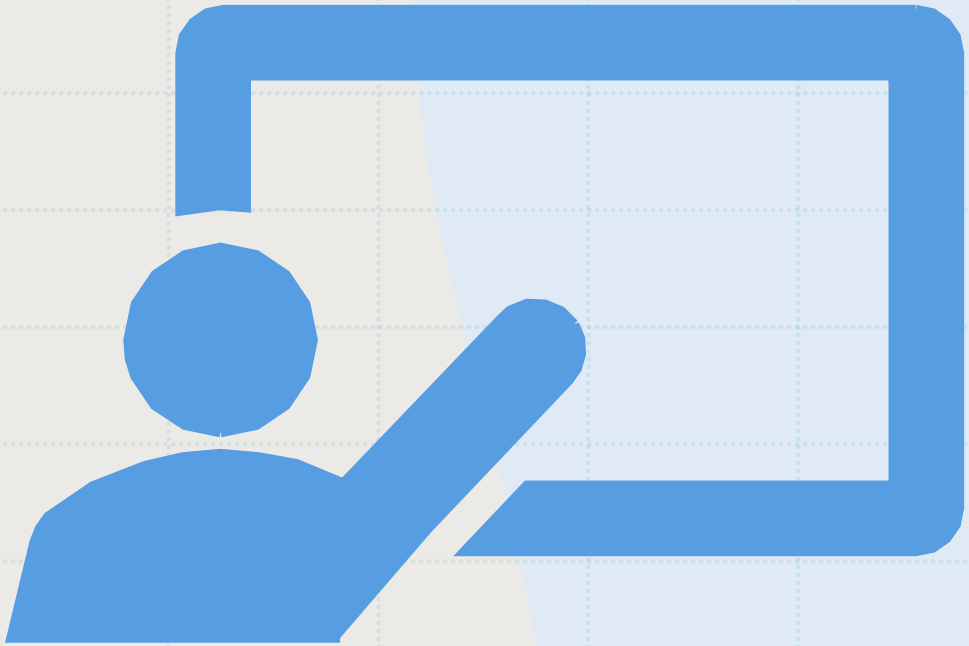
Sprint Review

- What went well?
- Jira board and planning
- User stories and respective story points
- BackEnd development
- Unit and Integration testing

Sprint Retrospective

- What could I have done better?
- Time-management
- Risk assessment
- Issues with FrontEnd
- Incomplete testing with user-acceptance

Demonstration...



Thank you for listening!