



TD PROJECT

By David Algie

Introduction

- Approach
- Set up/Planning
- Documentation
- Development
- Testing
- Personal Learning

Technologies

- Git / GitHub
- Jira
- MySQL
- Java
- Spring Boot
- Maven
- Junit
- Eclipse
- Visual Studio Code
- HTML5, CSS, JS
- SonarQube

Set up

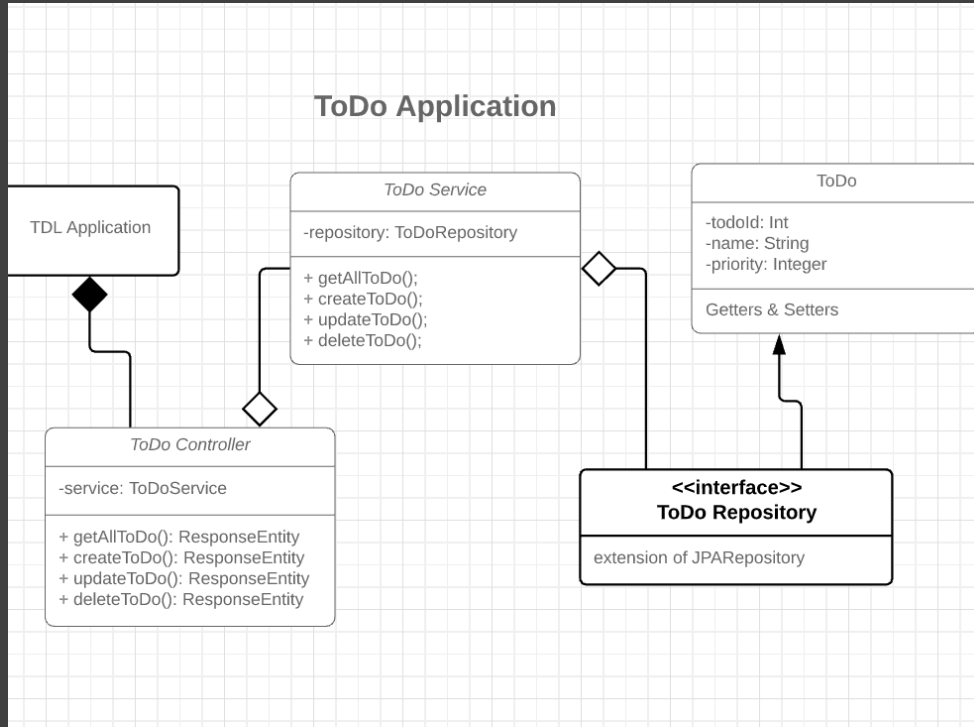
Comprehend the given task

Complete UML Diagram

Complete ER Diagram

Risk Assessment

Implement into Jira Board



UML DIAGRAM

Projects / ToDo Project

Backlog

DA Epic

0 1 0 Create sprint

- TP-1 As a developer, a risk assessment is required in order to show the potential of risks that can be encountered thr... TO DO
- TP-2 As a developer, I want to produce a UML diagram so I can gain a full comprehension of the project TO DO
- TP-3 As a developer, I need to have database so that data can be stored TO DO
- TP-4 As a developer, I need to be capable of testing the FrontEnd and BackEnd of the application in order to know h... TO DO
- TP-5 As a developer, I need to create an application that has the capability of having a ToDo list feature that keeps tr... TO DO
- TP-6 As a user, I need to be able to add an Item to the ToDo list TO DO
- TP-7 As a user, I need to be able to update an item on the ToDo list TO DO
- TP-8 As a user, I need to be able to see all my current ToDo's TO DO
- TP-9 As a user, I need to be able to set a priority to my created ToDo'S TO DO
- TP-10 As a user, I need to be able to put a description on my ToDo TO DO
- TP-11 As a user, I need to have the capability to delete a ToDo TO DO

+ Create issue



JIRA AND KANBAN BOARD



✎ Add epic / 📁 TP-2

As a developer, I want to produce a UML diagram so I can gain a full comprehension of the project

📎 Attach 🧑 Add a child issue 🔗 Link issue ⌵ ⋮

Description

Add a description...

Activity

Show: All **Comments** History

Newest first ⌵

👤 Add a comment...

Pro tip: press **M** to comment

🔒 👁 1 📌 🔗 ⋮ ✕

Done ✓ Done

Details

Priority **Medium**

Assignee **Unassigned**

Labels **None**

Sprint **TP Sprint 1**

Story point estimate **5**

Reporter **David Algie**

Created 19 hours ago
Updated 19 hours ago
Resolved 19 hours ago

⚙️ Configure

USER STORIES

Development

- SQL Development
- Front-End
- Back-End

Testing

- Unit
- Integration
- Selenium



Coverage				
Element	Coverage	Covered Instructions	Missed Instructions	Total Instructions
TDL_Project	89.9 %	653	73	726
src/main/java	75.4 %	224	73	297
com.qa.tdl.service	71.1 %	64	26	90
com.qa.tdl.models	76.0 %	79	25	104
com.qa.tdl.controllers	87.6 %	78	11	89
com.qa.tdl.exception	0.0 %	0	6	6
com.qa.tdl	37.5 %	3	5	8
src/test/java	100.0 %	429	0	429
com.qa.tdl	100.0 %	429	0	429

JUnit

Finished after 7.97 seconds

Runs: 12/12 Errors: 0 Failures: 0

▼

ToDoFailUnitTest [Runner: JUnit 5] (0.074 s)

testUpdateToDo() (0.068 s)

testGetOneToDoById() (0.003 s)

testDeleteToDo() (0.002 s)

▼

ToDoTest [Runner: JUnit 5] (0.418 s)

testPost() (0.214 s)

testReadAll() (0.143 s)

testDelete() (0.044 s)

testUpdate() (0.015 s)

▼

ToDoUnitTest [Runner: JUnit 5] (0.046 s)

testCreateUnit() (0.024 s)

testReadAll() (0.010 s)

testDelete() (0.007 s)

testUpdate() (0.004 s)

▼

TdlProjectApplicationTests [Runner: JUnit 5] (0.002 s)

contextLoads() (0.002 s)

sonarqube

ProjectsIssuesRulesQuality ProfilesQuality GatesAdministration

Search for projects...

A

TDL_Project

master

Last analysis had 1 warning

August 6, 2021, 10:42 AM

Version 0.0.1-SNAPSHOT

Project SettingsProject Information

OverviewIssuesSecurity HotspotsMeasuresCodeActivity

Remove this unused import 'java.util.ArrayList'.
Code Smell

Remove this unused import 'java.util.stream.Collectors'.
Code Smell

Remove this unused import 'org.springframework.web.bind.annotation.RequestMapping'.
Code Smell

Rename this local variable to match the regular expression '[a-z][a-zA-Z0-9]*\$'.
Code Smell

Replace the type specification in this constructor call with the diamond operator ('<>').
Code Smell

Replace the type specification in this constructor call with the diamond operator ('<>').
Code Smell

Replace the type specification in this constructor call with the diamond operator ('<>').
Code Smell

Replace the type specification in this constructor call with the diamond operator ('<>').
Code Smell

Remove usage of generic wildcard type.
Code Smell

This class has 6 parents which is greater than 5 authorized.
Code Smell

This class has 6 parents which is greater than 5 authorized.
Code Smell

Remove this unused import

TDL_Project

src/main/java/com/qa/tdl/controllers/ToDoController.java

See all issues in this file

1package com.qa.tdl.controllers;
2
3import java.net.URI;
4import java.util.ArrayList;
5
6import java.util.List;
7import java.util.stream.Collectors;
8
9import javax.validation.Valid;
10
11import org.springframework.beans.factory.annotation.Autowired;
12import org.springframework.http.HttpHeaders;
13import org.springframework.http.HttpStatus;
14import org.springframework.http.MediaType;
15import org.springframework.http.ResponseEntity;
16import org.springframework.web.bind.annotation.CorsOrigin;
17import org.springframework.web.bind.annotation.DeleteMapping;
18import org.springframework.web.bind.annotation.GetMapping;
19import org.springframework.web.bind.annotation.PathVariable;
20import org.springframework.web.bind.annotation.PostMapping;
21import org.springframework.web.bind.annotation.PutMapping;
22import org.springframework.web.bind.annotation.RequestBody;
23import org.springframework.web.bind.annotation.RequestMapping;
24import org.springframework.web.bind.annotation.RequestParam;
25
26import org.springframework.web.bind.annotation.RestController;
27
28import com.qa.tdl.models.ToDo;
29import com.qa.tdl.service.ToDoService;
30
31@RestController
32@RequestMapping("/todo")
33@CrossOrigin
34public class ToDoController {
35
36private ToDoService todoService;
37
38@Autowired //triggers dependency injection
39public ToDoController(ToDoService todoService) {
40
41this.todoService = todoService;
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Sprint Review

- Completion of product backlog
- Struggles with programming knowledge
- Implementing Selenium Tests (Code is fine but tests wont run)

Sprint Retrospective

- Previous project knowledge helped
- MVP on this project which is a major improvement
- Although I struggled with knowledge, I managed to complete full CRUD functionality

Conclusion

- Learned a lot about my strengths and weaknesses
- Learned how to develop better with JS and Java
- Gained a lot of experience in useful tools



THANKS, ANY
QUESTIONS?