



# To-Do list Web Application

Practical Project

# Deliverable

I have been tasked with creating a to-do list application with a front end website which connects to a back end api.

To achieve this I will be using Springboot to create my back-end and Visual Studio code for my front end website. I have used Trello as my project management tool to keep track of my progress and Github to upload my work to a repository. My Github repository will contain various branches for version control and testing before everything is pulled to a main branch.

# Deliverables Checklist

The User requires CRUD functionality.

When carrying out testing on the project `src/main/java` folder the user requires overall coverage of 80%.

A completed project management board.

Git repository utilising the feature-branch model.

# User Story

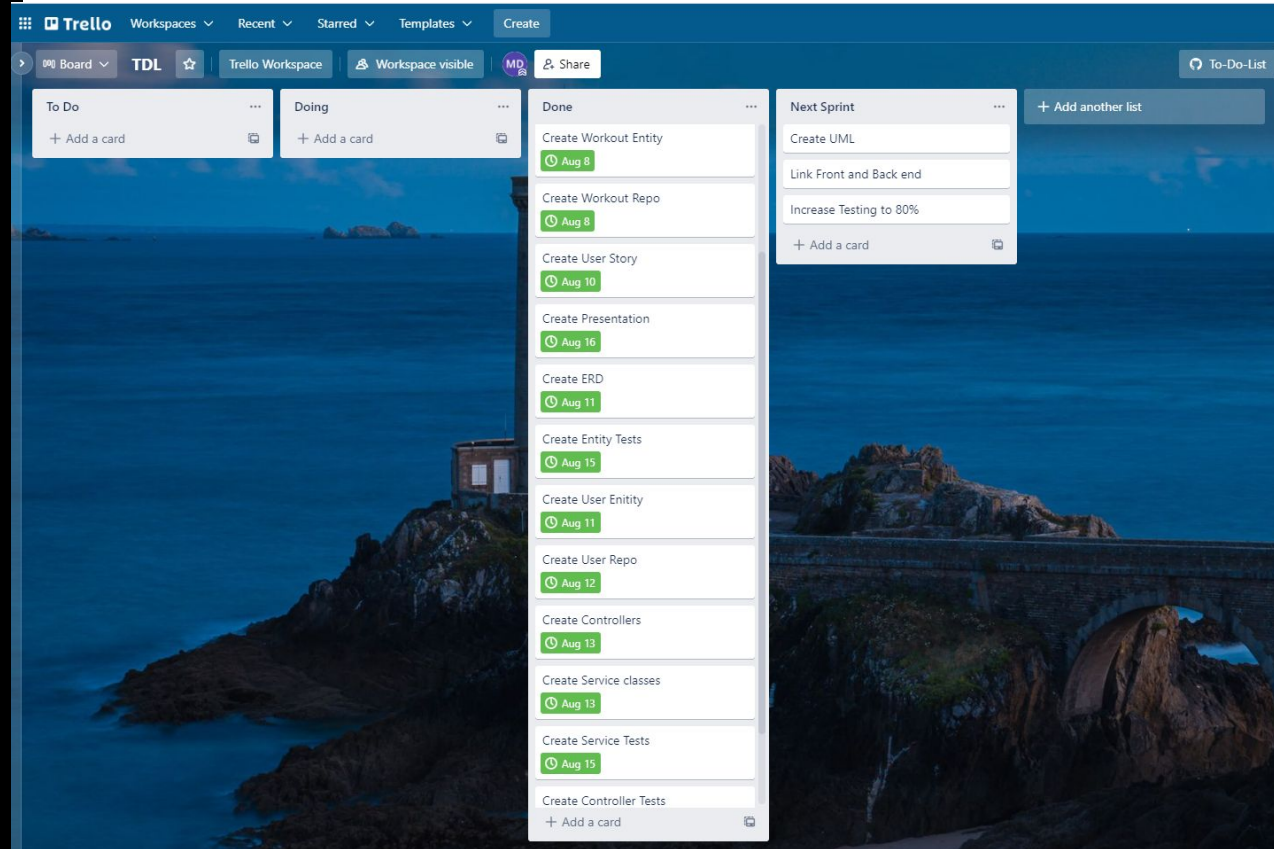
The user needs to be able to add items to a to-do list and have the ability to perform crud functionality on any item added to the list. Therefore the basic acceptance criteria for this would be can the user add and item to the list, update the list and delete items from the list.

When building the front end website the user will need the ability to interact with a html website to input items to a to-do list, they will also require the same crud functionality as the back end. There will also need to be a method implemented to allow for communication between the front and back end.

# Risk Assessment

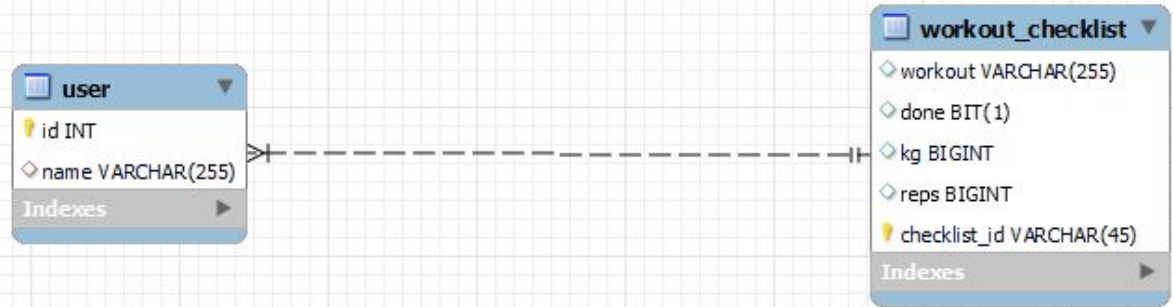
Risk	Statement	Response	Objective	Likelihood	Impact	Risk Level
Strain injuries	Working for too long may induce strain injury	Get up and move around every now and again	Maintain a reasonable level of comfort while working	Expected	Minimal	4
Heat Exhaustion	Working during the heatwave this week without proper hydration may cause fatigue.	Ensure you keep cool and stay hydrated.	Maintain a reasonable level of comfort while working	Possible	Minimal	2
Lack of Github commits	Without pushing work up to Github daily it can become hard to track progress and collaborate with colleagues.	Ensure at least one daily Github push to keep the repo up to date.	To keep the Git repo updated to allow for progress to be tracked and colleagues to collaborate where needed.	Likely	minor	6
Error/Bug Fixing	As a new user of Java it is likely that I will run into many errors and bugs as I code.	Make use of my trainer while I can and also refer to recordings. Also use the internet to search for errors as I am unlikely to be the first person to encounter them.	To allow for continuous work without reaching a point where any issues cannot be fixed.	Expected	Severe	20
Ensure the latest version of programs are being used	Using out-dated software can lead to compatibility issues when working with others or result in work that is missing features	Before stating any work make sure the latest version of all programs is being used.	to reduce the likely-hood of compatibility issues and ensure all work and workers have access to the latest features.	Possible	Major	8

# Project Management Board



# ERD

There is a one to many relationship between the user and the workout checklist.



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# Tech Demo



# Future Development

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In the next sprint I would like to work on getting my back end fully functional as I have been unable to get the crud functionality working.

I could add the ability on the front end so when I change user the users checklist would save to that user.

I would also like to link my front end and back end, my front end is fully functional.

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