CRUD Application

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Introduction

Task

Create a CRUD
application using
supporting tools,
methodologies and
technologies that have
been taught during
training.

Topic Dog Pound

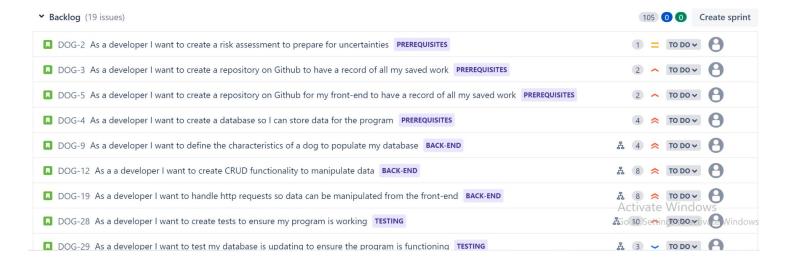
Why dog pound?

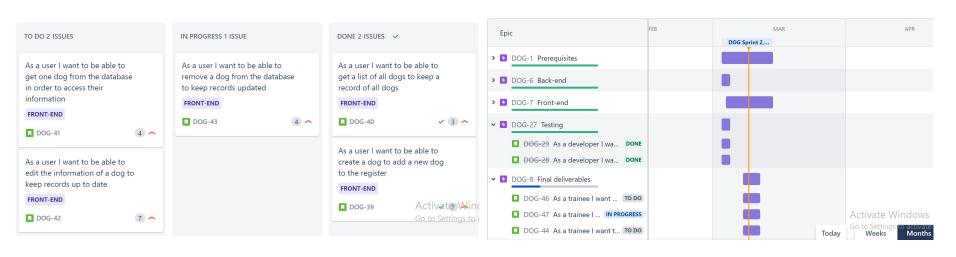
Planning approach

- Main Sections:
 - 1. Back-End Business Layer
 - 2. Database Persistence Layer
 - 3. Front-End Presentation Layer
- Prerequisites:
 - Risk Assessment
 - Jira Board
- Final Deliverables:
 - Documentation
 - Presentation

		Impact						
			Negligible 1	Minor 2	Moderate 3	Major 4	Catastrophic 5	
	Likelihood	Almost certain 5	Moderate 5	High 10	Extreme 5	Extreme 20	Extreme 25	
		Likely 4	Moderate 4	High 8	High 12	Extreme 16	Extreme 20	
		Possible 3	Low 3	Moderate 6	High 9	High 12	Extreme 15	
		Unlikely 2	Low 2	Moderate 4	Moderate 6	High 8	High 10	
		Rare 1	Low 1	Low 2	Low 3	Moderate 4	Moderate 5	
						F		

Likelihood	ihood Impact Risk Rating Preventative Measures		Preventative Measures	Response	
4	3	12	Complete tasks with higher prioritisation first and start tasks with higher story points earlier. Refer to kanban board	Complete the tasks for all user stories that you can with the time you have left. If you ran out of time due to personal or unforeseen circumstances, talk to project trainer	
2	4	8	Push all files and commits to your Github repository regularly as well as always saving files	Use last saved peice of work or most recent work from Github to build your code/databases again	
3	2	6	Test code frequently and use best pratises learnt throughout the Java teaching	Resolve bugs and logical errors when they're found	
5	2	10	Set goals during the project using the SMART technique	Take time away from the project to clear your mind and come back to it feeling fresh	
4	4	16	Focus on the work that has immediate priority. Include techspikes - allocated time to research an unfamiliar part of the project	Work on project out of training hours. Talk to the project trainer and explain the circumstances	
2	2	4	Identify potential risks and the likelihood of them. Create risk mitigation plans and carefully monitor the risks	Create a risk assessment upon the first encounter with a risk in order to prevent any other risks from occuring or taking too much time out of the project	
	4 2 3 5	4 3 2 4 3 2 5 2 4 4	4 3 12 2 4 8 3 2 6 5 2 10 4 16	2 4 8 Push all files and commits to your Github repository regularly as well as always saving files 3 2 6 Test code frequently and use best pratises learnt throughout the Java teaching 5 2 10 Set goals during the project using the SMART technique 4 4 16 Include techspikes - allocated time to research an unfamiliar part of the project Identify potential risks and the likelihood of them.	





Technologies/Supporting Tools

Version Control System

Git

Presentation Layer

Front-End

HTML - Structure

JavaScript - Functionality

CSS - Design

Business Layer

Back-End

Java

Maven

Spring Boot

Mockmvc

Postman - API

Data Layer

MySql

Improvements

- Push changes to github more frequently
- Create more readable/ordered code in HTML and JavaScript files

Demonstration

Summary

What went well?

- Core fundamentals
- Use of Github
- Approach to planning

What didn't go well?

- Jira board
- Best practice

What could be done differently?

- More focus on user-friendliness
- Creativity

What have I learnt?

- Three tier architecture
- API
- Improved confidence in functional coding