

CS5031 P2 Sprint Log

Requirements / Epics

17 Feb: First Meeting - Orientation and Setup

Client	Game	Start game	Set difficulty level	Submit guess	Win / lose game
	GUI	Vue.js set up	View of guesses	View of guesses	
	API Client				
Backend	Set up Spring Boot				
	REST-API	Endpoints	API schema		
	Data Structure	Game state	Guesses	Equation + solution	Status
	Equation parser				
	Equation generator				

Sprint backlog

Sprint cycle: 18 Feb - 22 Feb

TO-DO	NOTE
Start EquationParser	Resources: Notes on implementation: https://www.notion.so/P2-c26f968881c148babeec1cf40741f2a2
Start EquationGenerator	
Start GuessChecker	
Spring Boot setup	
REST API (Jingwen)	
Client prototype (Leopold)	
GameState (Leopold)	

Sprint backlog

Sprint cycle: 18 Feb - 22 Feb Sprint review and planning meeting

TO-DO	Done (Review of the previous cycle)
Finish SessionController	First client prototype finished
Unit tests for SessionController	Spring boot setup done
Finish GameController	EquationParser and EquationGenerator started
Unit tests for GameController	SessionController started
Finish EquationParser	GameController started
Finish EquationGenerator	
Unit tests for equation processing	

Sprint backlog

Sprint cycle: 25 Feb - 1 Mar Sprint review and planning meeting

TO-DO	Done (Review of the previous cycle)
Refactoring across the project	SessionController finished
Unit tests	HTTP Sessions implemented
Client-server integration	EquationParser finished
	EquationParser finished
	EquationGenerator finished
	GameController finished
	HintGenerator finished

Sprint backlog

Sprint cycle: 1 Mar – 4 Mar Sprint review and planning meeting

TO-DO	Done (Review of the previous cycle)
EquationGenerator unit tests	EquationParser updated
PlayerController unit tests	PlayerController finished
GameController unit tests	GameController updated
Finish client-server integration	Client and server partially integrated
Move from non-persistent storage to MongoDB	
Refactoring	

Sprint backlog

Sprint cycle: 4 Mar – 6 Mar Sprint review and planning meeting

TO-DO	Done (Review of the previous cycle)
Exception handling of EquationParser	“Alpha” version finished
Documentation of EquationParser and EquationGenerator	
Adapt tests for MongoDB	
Set up CI/CD	

Project sign-off
7 Mar
Agenda
Final fixes
Finish the README
Prepare ZIP for submission
