Bachelor Thesis Review

Faculty of Mathematics and Physics, Charles University

Thesis author	Ogulhan Bozkir
Thesis title	Just Blade: A 3D melee combat game in a medieval setting
Year submitted	2024
Study program	Computer Science
Specialization	Foundations of Computer Science

Review author	Filip Kliber	Advisor
Department	Department of Distributed and Dependable Systems	

Overall

	good	OK	poor	insufficient
Assignment difficulty		X		
Assignment fulfilled		X		
Total size ... *text and code, overall workload*	X			

The goal of this thesis was to develop a 3D combat game in a medieval setting. The interesting part is that the player is able to use a melee weapon to attack and defend from four directions which requires some thinking while playing the game. The author put a lot of extra effort into this thesis to make the visual part of the game more appealing (e.g., by creating 3D models of game characters). I consider this thesis successful.

Thesis Text

	good	OK	poor	insufficient
Form ... *language, typography, references*		X		
Structure ... *context, goals, analysis, design, evaluation, level of detail*		X		
Problem analysis	X			
Developer documentation	X			
User Documentation	X			

The textual part of this thesis is well written. The author analyses the problem in great detail. The description of implementation is very technical and provides a good explanation of various details. The user documentation is of a high quality and is accompanied by an in-game tutorial.

Thesis Code

	good	OK	poor	insufficient
Design ... *architecture, algorithms, data structures, used technologies*		X		
Implementation ... *naming conventions, formatting, comments, testing*		X		
Stability		X		

The source code is well organized and well documented. Because the work on the implementation spanned several semesters, one can see a few hacky bits in the source code, but overall it's very readable. The game visuals look very decent and the 4-directional combat system adds a lot of value to the gameplay.

Overall grade   Excellent
Award level thesis   No

Date   Signature