

I. IDENTIFICATION DATA

Thesis title:	Design of a therapeutic application for reducing digital addictions
Author's name:	Veronika Petrčková
Type of thesis :	master
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of Computer Science
Thesis reviewer:	Daniel Novák
Reviewer's department:	Department of Cybernetics

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	challenging
<i>How demanding was the assigned project?</i>	
The project titled "Design of a therapeutic application for reducing digital addictions" was quite demanding. It involved a comprehensive literature review on digital addiction, enhancement of an existing mobile app, development of a new feature to recommend games, and extensive user testing with both quantitative and qualitative evaluations. The integration of psychological expertise and the practical application of software engineering principles add layers of complexity and rigor to the project.	

Fulfilment of assignment	fulfilled
<i>How well does the thesis fulfil the assigned task? Have the primary goals been achieved? Which assigned tasks have been incompletely covered, and which parts of the thesis are overextended? Justify your answer.</i>	
The thesis fulfills the assigned task effectively. The primary goals, such as conducting a literature review, enhancing the app, and performing user testing, have been achieved. The detailed analysis and practical enhancements to the mobile app show a thorough approach. However, the second iteration of user testing indicates ongoing adjustments, suggesting that while the core objectives are met, some minor refinements are still in progress.	

Activity and independence when creating final thesis	A - excellent.
<i>Assess whether the student had a positive approach, whether the time limits were met, whether the conception was regularly consulted and whether the student was well prepared for the consultations. Assess the student's ability to work independently.</i>	
The student demonstrated a positive and proactive approach. The thesis shows that time limits were met, and regular consultations were held, indicating good preparation for meetings. The ability to work independently is evident from the comprehensive development and testing phases described, showing a strong grasp of both theoretical and practical aspects of the project.	

Technical level	A - excellent.
<i>Is the thesis technically sound? How well did the student employ expertise in his/her field of study? Does the student explain clearly what he/she has done?</i>	
The thesis is technically sound. The student employed expertise in software engineering and psychology effectively. The implementation details, such as using Flutter for multi-platform development and adhering to BLoC architecture principles, showcase a high level of technical competence. The explanations of the design and testing processes are clear and thorough, indicating a solid understanding of the work done	

Formal level and language level, scope of thesis	A - excellent.
<i>Are formalisms and notations used properly? Is the thesis organized in a logical way? Is the thesis sufficiently extensive? Is the thesis well-presented? Is the language clear and understandable? Is the English satisfactory?</i>	
Formalisms and notations are used appropriately throughout the thesis. The document is well-organized, with a logical structure and clear presentation. The extensive nature of the thesis covers all necessary aspects, and the language is clear and understandable. The English is satisfactory, ensuring that complex technical content is accessible to readers.	

Selection of sources, citation correctness

A - excellent.

Does the thesis make adequate reference to earlier work on the topic? Was the selection of sources adequate? Is the student's original work clearly distinguished from earlier work in the field? Do the bibliographic citations meet the standards?

The thesis makes adequate references to earlier work, with a well-curated selection of sources from reputable publications. The student's original work is clearly distinguished from previous studies, and the bibliographic citations meet academic standards. This demonstrates a thorough engagement with existing literature and situates the current work within the broader research context.

Additional commentary and evaluation (optional)

Comment on the overall quality of the thesis, its novelty and its impact on the field, its strengths and weaknesses, the utility of the solution that is presented, the theoretical/formal level, the student's skillfulness, etc.

The overall quality of the thesis is very good. It introduces novelty by applying therapeutic techniques to digital addiction in a mobile app, which is innovative and relevant. The strengths include a robust theoretical foundation, practical implementation, and insightful user testing. The weaknesses are minimal, primarily involving the ongoing refinements indicated by the second round of user testing. The proposed solution is practical and has significant potential for impact in promoting healthier digital habits.

III. OVERALL EVALUATION, QUESTIONS FOR THE PRESENTATION AND DEFENSE OF THE THESIS, SUGGESTED GRADE

In summary, the thesis represents a substantial contribution to both the fields of psychology and software engineering, particularly in addressing digital addiction through a practical application. The student's ability to integrate complex technical and psychological concepts into a functional app is commendable. The final grading reflects the high quality, thorough research, and practical significance of the work. I would grade the thesis as excellent, with minor recommendations for ongoing refinements as suggested by the second user testing iteration

The grade that I award for the thesis is **A - excellent**.

Date: **13.6.2024**

Signature: