

## I. IDENTIFICATION DATA

<b>Thesis name:</b>	<b>Design of an App for Distance Learning</b>
<b>Author's name:</b>	<b>Bc. Hoang Quoc Tran</b>
<b>Type of thesis :</b>	master
<b>Faculty/Institute:</b>	Faculty of Electrical Engineering (FEE)
<b>Department:</b>	Department of Computer Graphics and Interaction
<b>Thesis supervisor:</b>	Ing. Dominika Palivcová
<b>Supervisor's department:</b>	Department of Computer Graphics and Interaction

## II. EVALUATION OF INDIVIDUAL CRITERIA

<b>Assignment</b>	<b>ordinarily challenging</b>
<i>Evaluation of thesis difficulty of assignment.</i>	
The topic is a typical example of a design process consisting of two iterations of a User-Centered Design cycle, and therefore I assess it as ordinarily challenging. It is worth mentioning that there were two main groups of users to satisfy, and therefore more work on the user-research side of the topic (in the analysis and evaluation phase).	

<b>Satisfaction of assignment</b>	<b>fulfilled</b>
<i>Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact or cause of each shortcoming.</i>	
The assignment was fulfilled.	

<b>Activity and independence when creating final thesis</b>	<b>A - excellent.</b>
<i>Assess that student had positive approach, time limits were met, conception was regularly consulted and was well prepared for consultations. Assess student's ability to work independently.</i>	
The author chose the topic himself and worked on the thesis consistently for two years. Mr. Tran consulted his progress regularly, actively proposed enhancements to the process, and showed the ability to work independently.	

<b>Technical level</b>	<b>A - excellent.</b>
<i>Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.</i>	
The thesis is an excellent example of a well-done design process from initial analysis to high-fidelity prototype implementation and evaluation. The author firstly provides a great basis for his design by reviewing the core theories, terms, and tools often used for distance education. The author also designed and correctly conducted semi-structured interviews with both educators and learners, and he precisely reports his results. The author showed awesome theoretical and practical knowledge of the design practices during the whole design phase. I want to emphasize employing personas and design studio as advanced techniques performed without hesitation.	
The author also demonstrated excellent prototyping skills as he is able to use prototyping tools and implement his interface using up-to-date technologies such as React and Typescript. Finally, the author put significant effort into evaluation, as he tested both low-fidelity and high-fidelity prototype with the representatives of target user groups.	

<b>Formal and language level, scope of thesis</b>	<b>B - very good.</b>
<i>Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.</i>	
The thesis is well-structured and written in good English. The content is described on 71 pages and appropriately illustrated by correctly annotated figures. However, there are minor typos and a few missing references in the text, and the quality of the Czech abstract could be higher.	

**Selection of sources, citation correctness**

**A - excellent.**

*Present your opinion to student's activity when obtaining and using study materials for thesis creation. Characterize selection of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.*

The author uses various sources and states citations correctly.

**Additional commentary and evaluation**

*Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level and functionality of technical or software conception, publication performance, experimental dexterity etc.*

**III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION**

*Summarize thesis aspects that swayed your final evaluation.*

With a total count of 30 conducted research sessions with representatives of the target audience, two created and evaluated prototypes of sophisticated design and implementation, it is without any doubt that Mr. Hoang showed deep interest in the topic and put significant effort into the work. Moreover, the author demonstrated excellent skills in applying various design and research methods and implementing solutions with up-to-date technologies.

**Questions for defense:**

- How did you mock the video call interaction during the usability testing sessions?
- Do you plan to continue working on the topic and create a fully functioning app?

I evaluate handed thesis with classification grade **A - excellent.**

Date: **14.1.2022**

Signature: