Project

Interactive Multimedia

Applications

Final Project

Ionic Implementation of the Prototypes

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Introduction

This project aims to implement and to evaluate with users the Figma prototypes, previously developed for mobile devices (Android operating system). The development process should follow the methodology centred on the user experience (UX) and should include the typical phases of the process: (1) Analysis, (2) Design, (3) Implementation and (4) Evaluation. The mobile functional prototype should be evaluated in terms of usability, functionality and user experience. At this stage, the Analysis phased was already performed in **Lab work 1**, the Design was performed in **Lab work 2** and a part of the Evaluation was performed in **Lab work 3**.

Implementation and Evaluation

During the implementation, students should follow the Figma wireframes and mockups as well as the feedback obtained by Heuristic Evaluation. A valid implementation includes at least **4 task** implemented, excluding the authentication tasks (login, register).

After the implementation the mobile functional prototype should be evaluated with at least **10 users** using a questionnaire. The questionnaire is considered a very important element in the evaluation phase. It should include at least four parts:

1. Demographic questions and questions for the characterisation of the participant (user);
2. Questions for usability task testing (at least **3 tasks**);
3. Questions to evaluate the usability, in general, of the application (at leat the 10 SUS questions)
4. 26 UEQ questions to evaluate the UX, in general, of the application.

Report

The report should include an introduction to the work, the entire application development process (from the Analysis to the Evaluation), results obtained (including evaluation results), discussion of the most important issues and conclusions. It should also include documents (or a summary) produced in the laboratory works 1, 2 and 3 , which should be referenced in the report chapters as part (outcome) of the work. Follow the report template publish in Moodle.

Submission and Evaluation

The evaluation of the work will be done after delivery of the complete final project. The final classification of the curricular unit includes the notes of the laboratory works, the final project, the discussion and the report. The submission of the work includes the report in digital format

and the source code of the application. It should be done through the Moodle Platform. The source code should be included in an online repository. The repository link should be included in the report. This project must be delivered until July 23rd of 2022. Discussion will be during the days of 25th, 26th, 27th and 28th of July, 2022.