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## **ABSTRACT**

This document presents the details for the 2nd phase of the project for the Software Engineering course of the 1st semester of 2021/2022.

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## **1. DETAILED GOALS FOR THE SECOND PHASE**

After achieving the goals of phase 1, concentrating on training the team on how to self manage and communicate and learning the legated open-source code, the mission now is to extend JabRef with two new functionalities.

The team will propose these two functionalities to be discussed with the professors in the lab on the week of 9th and 10th of December. These two functionalities' short description should be submitted on the moodle website for teaching staff final approval (deadline December 10th at 20h). The constraint is that the functionalities should manipulate (or extend) the existing internal data structure (for instance for the purpose of reporting), not being accepted trivial functionalities like changes to the layout (formats, colors, etc).

## **2. PHASE 2 OUTPUTS**

- **2nd part** - produce user stories to extend the services provided by this tool and to implement them in the Java code. Be careful not to introduce code smells in the new code. Also, the new code should be provided with the respective Unit tests as introduced in the classes.
  - **output:** user stories specifications of the new functionalities and source code of a running project with the new functionalities plus respective unit tests.

The deliverable of the second (and final) phase is a document containing:

- **Deliverable Item:** User Stories for the proposed extensions of JabRef tool along with a summary description of all the actors and use cases involved. For the use cases, please report the name, description and actors (both primary and secondary).

**Constraints:** The work should be distributed among each team members in a fair way (you can divide by responsible subteams).

- **Deliverable Item: Code and Tests.** The team should have submitted by the deadline in GitHub, a running project with the functionalities introduced.
- **Deliverable Item: Demo Video.** The team is to produce a short video with a live demo of their JabRef tool enhancements. The video can last up to 5 minutes and briefly must briefly show the two implemented functionalities. The team is to upload their demo video on YouTube and make it publicly available, but not indexed. The team must also provide a link in their report to the demo video, so that professors can see it. During the video, please add a voice-over where you explain the functionalities as you show them in your demo.

## PROJECT DELIVERY

As in Phase 1, the project delivery is to be done via GitHub. You can simply keep on using the same repository as in the first phase. Please make sure your project is shared with the three professors:

- vma@fct.unl.pt (Prof. Vasco Amaral)
- p191@fct.unl.pt (Prof. João Araújo)
- mgoul@fct.unl.pt (Prof. Miguel Goulão)

## IMPORTANT DATES

6/12/2021 Announcement of the functionalities to be extended for the second deliverable

30/12/2021 Project second deliverable