Consent to Act as a Participant in a Research Study

Study title: RuM user evaluation

Principal Investigator: Anti Alman

Co-Investigators: Claudio Di Ciccio, Fabrizio Maria Maggi, Alexander Nolte

Introduction: As an experienced process analyst you were selected to participate in this study. This is a joint study conducted by researchers from the University of Tartu (Estonia), the Free University of Bozen-Bolzano (Italy) and La Sapienza University of Rome (Italy).

The aim of this study is to evaluate the usability of RuM, a new declarative process mining application. We will particularly focus on identifying problematic aspects of the application's user interface and the general workflow of the application.

The study focuses on the four main functionalities of the application which are process model discovery, conformance checking, MP-Declare editor and log generation.

During the study we will ask you to use RuM to perform process mining related tasks. The description of the tasks and the application have been made available to you before the start of your test.

We will record your interaction with RuM and our conversation during the study. After the study we will ask you a few follow-up questions in a short interview, and we will ask you to fill out a short survey. The results of the test will be used to further improve the user interface of RuM.

Participation requirements: Any person 18 or older who has experience with process mining.

The expected duration of the study: The study will take about 45-60 minutes of your time.

Risks and Benefits: The risks that are associated with this research are no greater than those ordinarily encountered in daily life. There are no direct benefits to participants, but the researchers anticipate future improvements to RuM to potentially benefit process mining researchers and practitioners.

Privacy and Confidentiality: In order to protect the participants' identities during this study the research team will follow the following procedure: The original recordings will only be accessible to the Principal and Co-Investigators. The video files will be used to analyze the interaction of the participant with the RuM application. Audio contained in the recordings will be transcribed, potential identifiers will be removed or aggregated and the original recordings will be deleted afterwards.

Your data and consent form will be kept separate. Your consent form will be stored securely and will not be disclosed to third parties.

By participating, you understand and agree that the data and information gathered during this study may be used by the participating universities for publication purposes. However, any identifiable information will not be mentioned in any such publication or dissemination of the research data and/or results. The University of Tartu requires all research records to be maintained for at least 5 years following final reporting or publication of a project. Aggregated

data will thus be archived by the Principal Investigator for that timespan.

Questions about the Study: If you have any questions, comments, or concerns about the study either before, during, or after participation, please contact the Principal Investigator (anti.alman@ut.ee) or the Co-Investigators.

Voluntary Participation: Your participation in this research is voluntary. You may discontinue participation at any time during the research activity. Your decision regarding whether or not to participate in this study will not result in any loss of benefits to which you are otherwise entitled.

I am of age 18 or older. I have read and understood the information above and I want to participate in this study:

☐ Yes ☐ No

Participant: The above information has been explained to me and all of my current questions have been answered. I understand that I am encouraged to ask questions, voice concerns or complaints about any aspect of this study during its course, and that such future questions, concerns or complaints will be answered by a qualified individual or by the investigator(s) listed on the first page of this consent document.

Co-investigator: I certify that I have explained the nature and purpose of this research study to the participant, and I have discussed the potential benefits and possible risks of study participation. Any questions the participant had about this study have been answered, and we will always be available to address future questions, concerns or complaints as they arise. I further certify that no research component of this study has started before this consent form was signed.

Participant_____ Co-investigator_____