



## Assignment 3

### RE and Social Computing

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## I. Task

### Individual Tasks

- Read the mandatory items in the reading list
- Prepare a critique of each mandatory paper. For each paper, we will select a student to present her or his critique orally in class (3-5 minutes). Particular questions to be addressed are:
  - What is the main message of the paper?
  - What are the expected practical benefits?
  - What are the strengths and weaknesses of the paper?
  - What questions do you have about the paper? (prepare at least two questions)
  - What is your personal opinion about the paper? Do you agree or disagree with its findings?
- Be prepared to answer the questions given in Sect. III below in class.

### Group Tasks

- Prepare a 10-12 minutes presentation (plus 6-8 minutes of discussion) on the theme assigned to your course group (cf. Sect. IV) and choose two students from your group to present it.
  - At the beginning of your presentation, relate your topic to the session's topic (as represented by the mandatory reading)
  - Browse/read additional papers and/or web pages where necessary.
  - Send your presentation to Norbert after the session to share it with others.
- Did you or members of your team use social computing approaches for Requirements Engineering? Discuss potential benefits, but also limitations and report your experience and opinion in your presentation. What does existing social software lack to support Requirements Engineering?

## II. Reading List

### Mandatory reading

The first workshop on "Requirements Engineering for Social Computing" was held at the IEEE International Requirements Engineering Conference in 2011. There [Copra 2011] discussed the nature of social computing and challenges. [Dalpiaz 2011] identified social threats and the new challenges for Requirements Engineering and [Solomon et al. 2011] discussed how to use social media for collaborative work.

### Theme-specific reading

[Lim et al. 2010], [Lim and Ncube 2013]: Social Networks for Stakeholder Identification and Analysis  
[Boehm et al. 2001], [Kukrea and Boehm 2012], [Seyff et al. 2015]: Social Software for Requirements Elicitation and Negotiation

[Pagano and Maalej 2013], [Guzmán et al. 2016]: User Feedback for Continuous Software Evolution

### III. Questions

- What RE activities can be supported with social software?
- What are the benefits, limitations and threats of Social Software within RE?
- Which social software (e.g., facebook, twitter) could be used within RE?
- What does existing social software lack to support RE?

### IV. Themes for Presentation

#### A. Social Networks for Stakeholder Identification and Analysis

How can stakeholders be identified using StakeNet? What are the experiences and lessons learned?

#### B. Social Software for Requirements Elicitation and Negotiation

What is (Easy)WinWin? What RE activities are supported by WinBook? How can elicitation and negotiation be applied with the help of social networks? What are the benefits and limitations?

#### C. User Feedback for Continuous Software Evolution

How can user feedback be analyzed and categorized? What is the impact of user feedback?

### References

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- Kukreja, N., B. Boehm (2012). Process Implications of Social Networking-based Requirements Negotiation Tools. *Conference on Software and System Process (ICSSP)*. 68-72.
- Lim, S.L., D. Quercia, A. Finkelstein (2010). StakeNet: Using Social Networks to Analyse the Stakeholders of Large-scale Software Projects. *International Conference on Software Engineering (ICSE 2010)*. 295-304.
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