
RESEARCH MEETING NOTES

DATE/TIME: 22/09/2017 - 10:00 AM (GMT -3:00)

PARTICIPANTS:

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DISCUSSION TOPICS:

- The Github process model, based on the workflow provided at <https://guides.github.com/introduction/flow/>, was discussed and the activity labeled "Discuss and Review your code" was agreed of being a Knowledge-Intensive Activity, involving two types of actors: The core developers and the contributor.
- - A sample github project, the Audacity project, was analyzed and a sample pull request was presented, with the following remarks:
 1. The structure was indeed a discussion between core developers and contributor, regarding the code to be merged.
 2. There were many speech acts presented, enabling us to perform speech act extraction and a similar approach to Pedro's BPM 2017 paper.
 3. It is possible to depict the interaction with a start event (the beginning of the pull request discussion) and an end event (the closing of the pull request).
- Additional information about the GitHub scenario:
 1. Github workflow model: <https://guides.github.com/introduction/flow/>
 2. Example Project URL: <https://github.com/audacity/audacity>
 3. Example pull request: <https://github.com/audacity/audacity/pull/130>
- A number of open questions present themselves for discussion:
 1. How many datasets (GitHub Projects)? Different types of projects (software devel/other), (big projects vs smaller projects)
 2. Analyze what makes a pull request successful (criteria? patterns?)
 3. About quality indicators, we have discussed about two possible main candidates:
 - (i) The cause of the release of a new version.
 - (ii) Quality of the work = less critics about the version. Speech Act detection could be useful here.
- Other possibilities for indicators include:

1. Indicators about "Knowledge generated by the pull request's discussion", etc.
2. How many commit belongs to the release + how many commit belongs to the pull request Github pull request metadata: labels, different types of pull request (open/closed, approved/rejected and merged/closed)

TASKS FOR NEXT MEETING:

- Adapt the speech act extraction and test with repositories (Joao)
- Present remarks about indicators for open-source scenarios (Pedro)
- Provide code for pull request and metadata extraction (Saimir)

NEXT MEETING:

October 12th, 2017 - 10:00 AM (GMT -3:00)