# Determining Relevancy: How Software Developers Determine Relevant Information In Feeds

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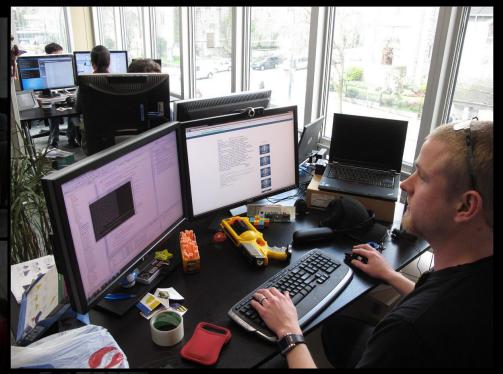


Joe

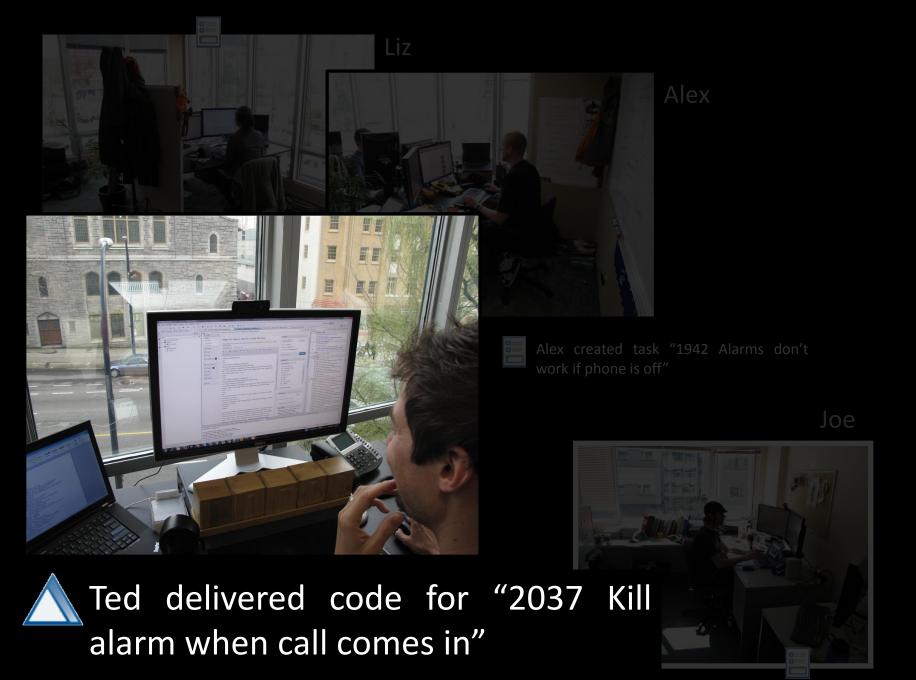
Ted

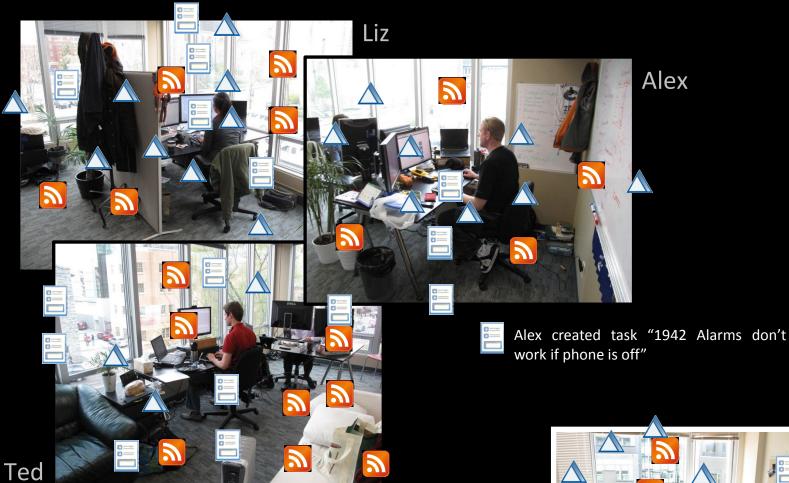






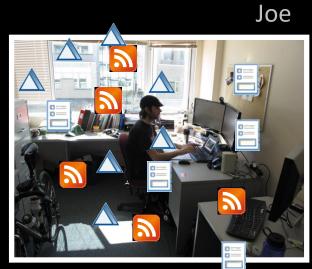
Alex created task "1942 Alarms don't e work if phone is off"

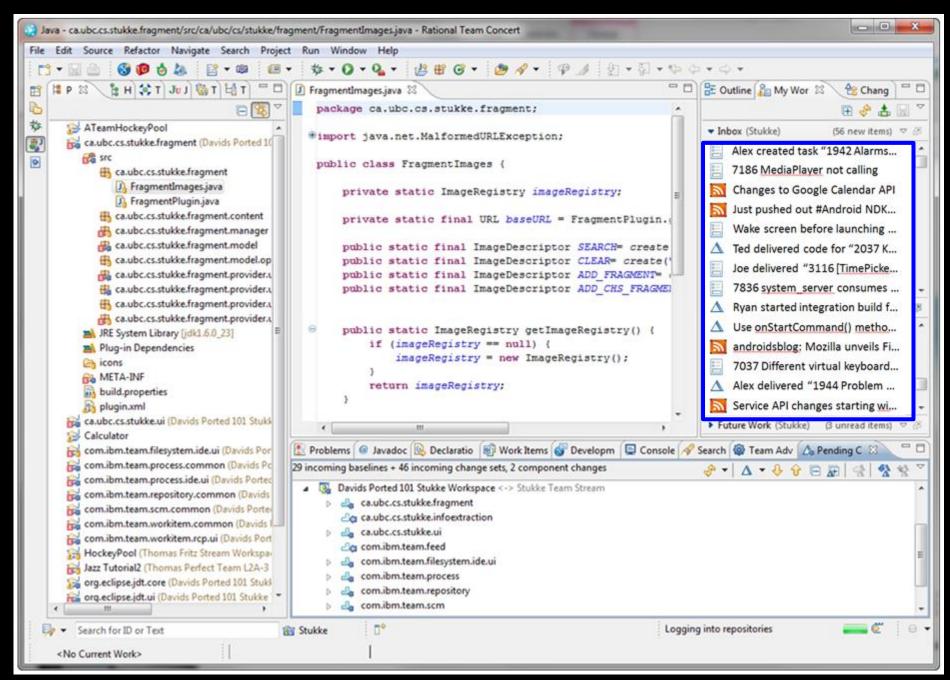


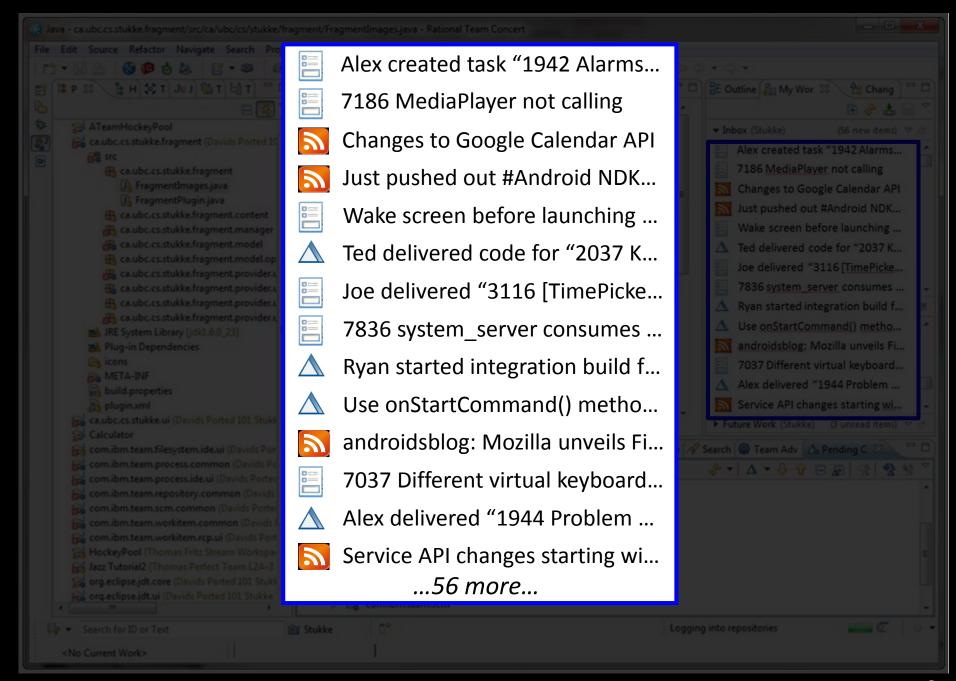


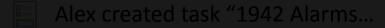
Ted delivered code for "2037 Kill alarm when call comes in"

Each developer faces 50 new items a day for a single project



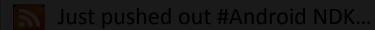












Wake screen before launching ..

# How do software developers determine relevant information in feeds?

- A Ryan started integration build f...
- △ Use onStartCommand() metho...
- androidsblog: Mozilla unveils Fi...
- 7037 Different virtual keyboard...
- Alex delivered "1944 Problem ...
- Service API changes starting wi...
  ...56 more...

#### Interview-based Study

5 professional developers, using a project environment with feeds

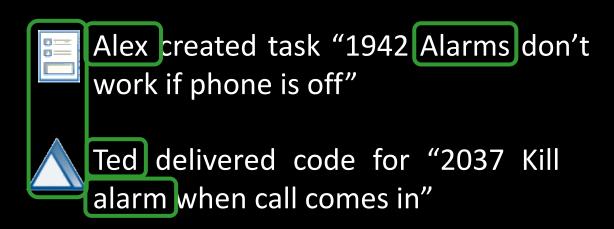
2 interview sessions per developer, each 20 – 60 minutes, four days apart

30 recent and randomly selected news items per session from 2 feeds (change set and work items)

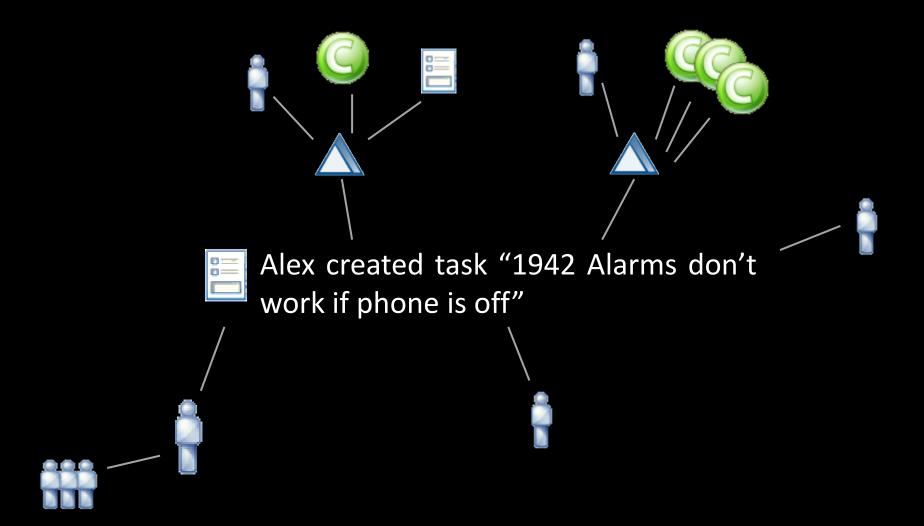
> Developer statements for each item on relevancy 27% of items relevant, 8% somewhat, 65% not relevant

# Reasons for Identifying News Items as Relevant or Irrelevant

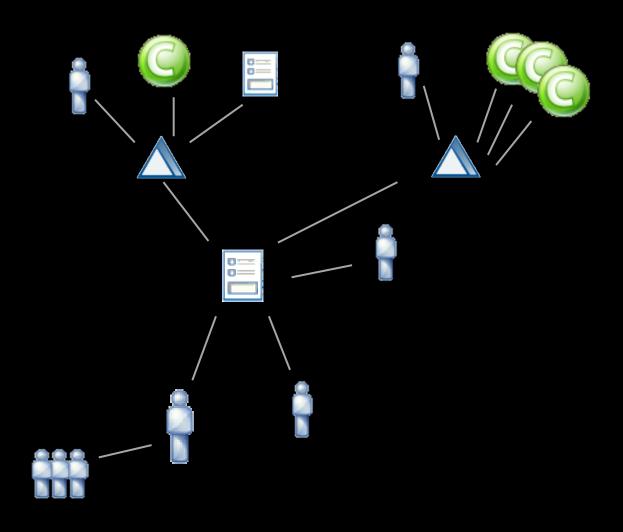
- Content
- Target of Content
- Previous Interaction
- Relation with Creator



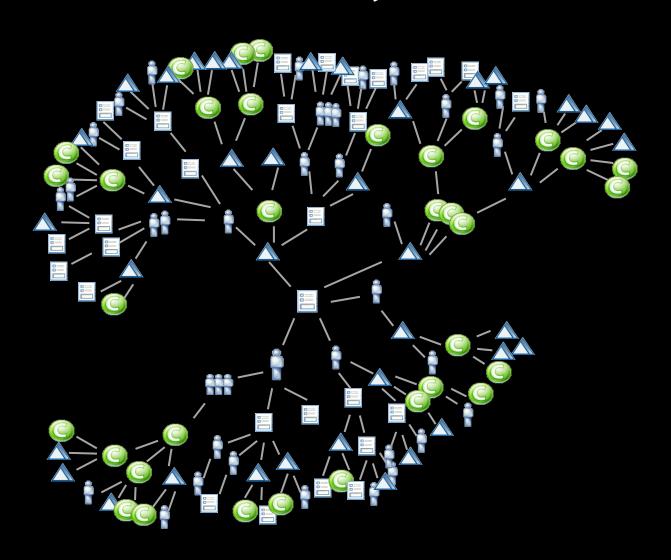
#### Information in a Project Environment



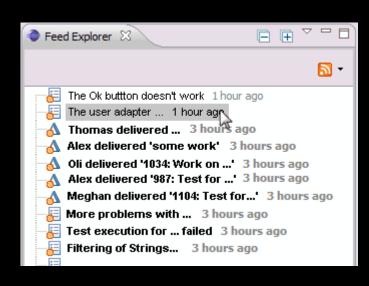
#### Information in a Project Environment



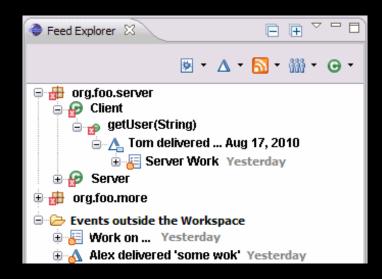
#### Information in a Project Environment



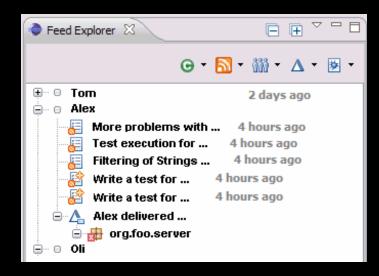
### Context to Ease Relevancy Determination (Second Session)



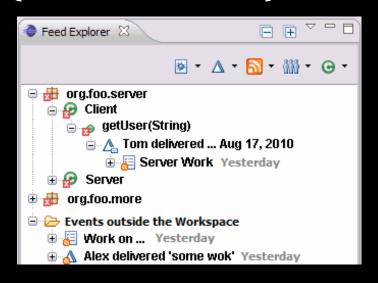




Team Context

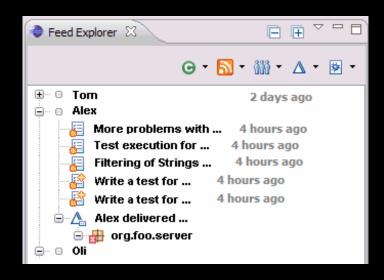


## Context to Ease Relevancy Determination (Second Session)



#### Work Context (source code)

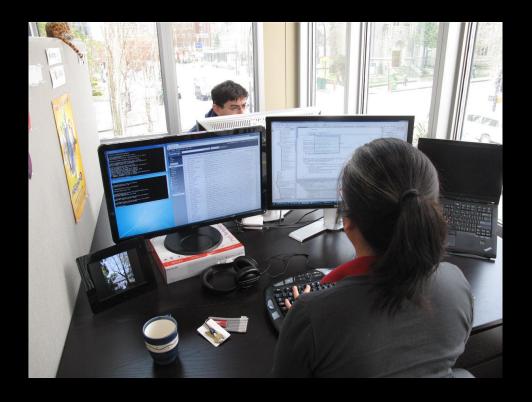
- Helpful for 79% of news items in context
- 60% participants conceived it as generally helpful



#### **Team Context**

80% participants conceived it as generally helpful

#### Summary



Determination of relevancy (and irrelevancy) is individual and situation dependent

Structure of information can be used to provide context and ease determination