Scrumptious:
A Scrum Planning Tool Case Study to Evaluate the Rich Ajax Platform

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Overview

- Introduction
- The prototype
- Comparison
- Conclusion
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What is Rich Ajax Platform?

- RAP - Rich Ajax Platform
- The Rich Client Platform of the web
- Using Java API and Eclipse IDE
RAP - Example
Evaluation

- How will we evaluate the RAP?
  - Develop a prototype using the RAP technology
  - A comparison with the similar technique Google Web Toolkit (GWT)
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The prototype

- Scrumptious – A Scrum Planning Tool
Prototype features

- Supports all phases in the Scrum process
  - Manage projects and sprints
  - Handle stories and tasks
  - Virtual Scrum board
- Custom made widget (Drag and Drop)
  - Used at the virtual Scrum board
  - Implemented using both JavaScript (Qooxdoo) and Java
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The comparison with GWT

- Communication between client and server
  - Bandwidth usage
- Performance
  - Response time
- Single sourcing support
  - One source – many deployments
Performance

- **RAP**
  - Delegates processing to the server
    - Increases delay time
    - Increases bandwidth usage

- **GWT**
  - Delegates processing to the client or the server
    - Chosen by the developer
      - Increases complexity => more expensive to develop
    - Can decrease delay
    - Can decrease bandwidth usage
  - Assumption – GWT will scale better than RAP
Single sourcing

- The RAP’s biggest feature
  - Use the same code for both RCP and RAP applications

Source code

RCP
Stand alone application

RAP
Web application

Deployment
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Conclusion

- RAP – A good competitor for the next generation of web applications.
  - Single sourcing
  - An easy way to develop a rich featured web application
  - Expandable with bundles
    - Can be used by other RAP applications
  - Uses the well known Java API

- Drawbacks
  - Missing some features (e.g. Drag and Drop)
  - Bugs
Thank you for listening!

Questions?