

Trillium Grant Management

Team Ulysses

Agenda

- Our Product
- Design
- Demo
- Refection
- Final Project Status

Who Is Trillium?

- Non-profit organization based in the Greater Rochester Area
- Provides a variety of health care services to Geneva/Bath/Rochester areas
- Most funding is based on grants received from Federal, State and local authorities

Goals:

Grants



Tasks



Documents



Goals:

- Workflows
- Audit Trail
- Authentication/Authorization
- Outlook Integration
- Status Emails

Design

Usability



Security



Modifiability



Usability

“ease-of-use”

- Learnability
 - Will the users be able to adapt quickly?
- Efficiency
 - Will the users be able to perform tasks quickly?
- Satisfaction
 - Will the users feel pleasant when using the product?

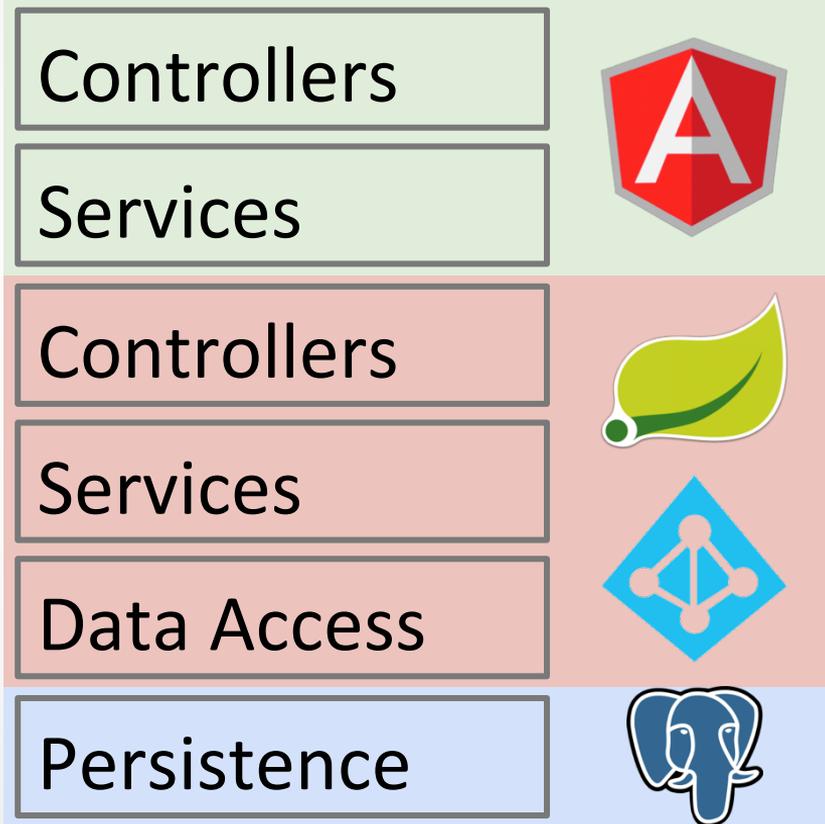
Security

- Authentication of users via LDAP
- Authorization of users via session tokens
- Audit Trail
- Sanitization of Inputs
- User Roles

Modifiability

- Client-Side
 - Page scaffolding (incl. test scaffolds)
 - Lump related JS, HTML into modules
 - Serverless development mocks
- Server-Side
 - JPA Entity Manager
 - Interfaces and Implementations
 - Configuration files

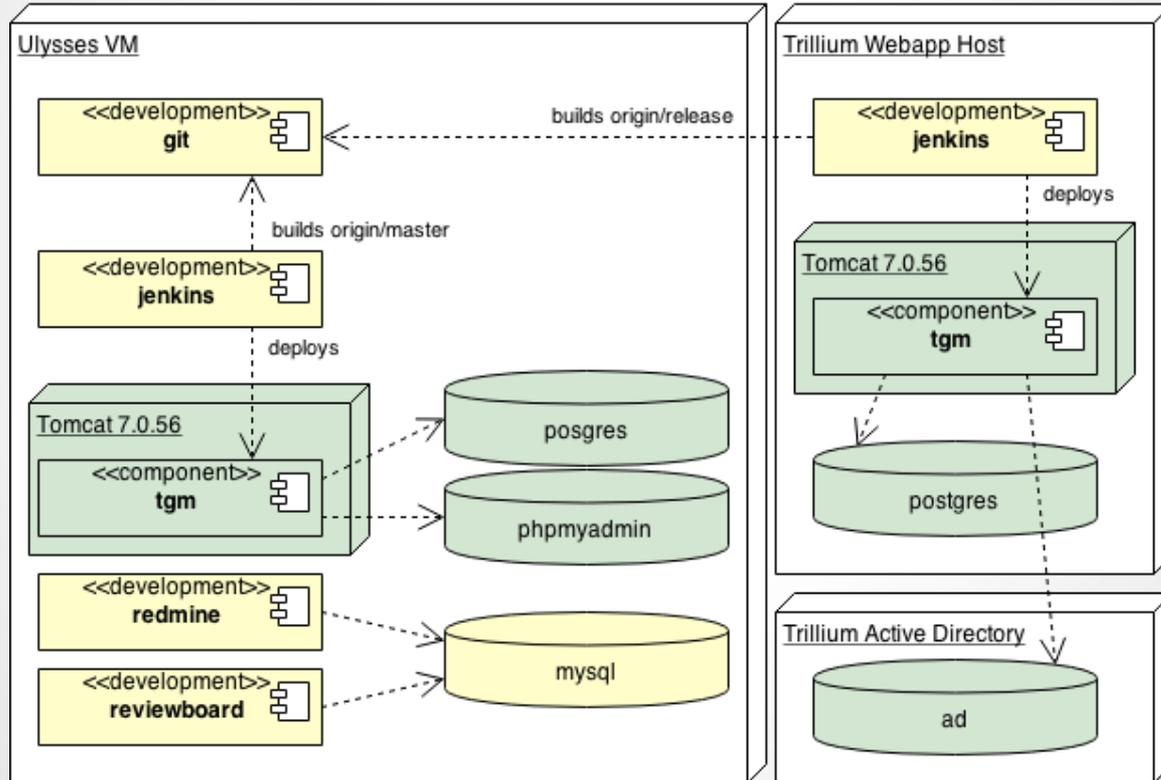
Architecture



Architecture

RIT Software Engineering, ulysses.se.rit.edu

Trillium Intranet



Decisions and Tradeoffs

3rd Normal Form



Security > Performance



Testing

Strategy

- Acceptance/Manual Testing
- Usability Testing
 - SUS Metric = 85

Challenges

- Unit tests 39.5% @ **Ignore**'d, 60.5% complete
- Manual testing only towards the end

Demo

<http://ulysses.se.rit.edu:4567/tgm>

What Went Well

- Good synergy with sponsor
- Code Reviews
- E-mail updates

What Didn't Go Well

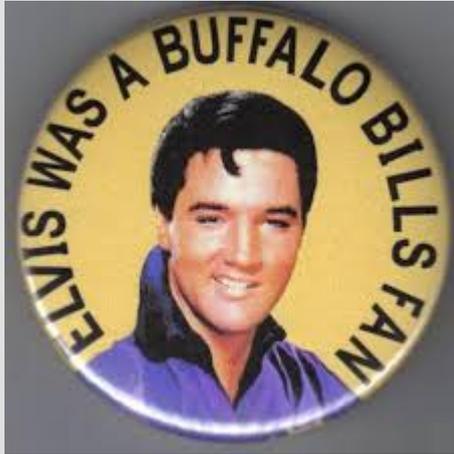
- Automatic deploys to Trillium didn't happen
- LDAP research and integration
- Outlook integration hard to test
- Code integration overlooked
 - More unanticipated work during integration

Final Status

- Final handoff, demo, and training on May 15th
- Planned features we were unable to deliver
 - Task Templates
 - Sub-tasks
 - Automatic workflows
- Future goals
 - Recycling Bin
 - Document Tagging
 - User Proxy for administrators

Acknowledgements

Dan Krutz



AJ Blythe



Russ James



Questions?

That's all Folks!

Synergy!