Spoiled Tomatillos Final Presentation

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System Functionality: Original Scope

- Users
  - Login/Forgot Password
  - Write and Delete Reviews
  - Send/Accept/Decline Friend Requests
  - Search for Movies and Users
  - View another User's Profile
  - Edit own Profile Page
  - Scroll through Feed
  - Go to External Site
  - Suggestions for Adding Friends

- Guests
  - View Movie Pages
  - Sign Up for Membership

- Moderators
  - Approve/Reject Reviews

- Administrators
  - Add new Moderators
  - Add new Movies
  - Ban Users

System Functionality: Accomplishments

- Users
  - ==Login==/Forgot Password
  - ==Write and Delete Reviews==
  - ==Send/Accept/Decline Friend Requests==
  - ==Search for Movies and Users==
  - ==View another User's Profile==
  - Edit own Profile Page
  - ==Scroll through Feed==
  - ==Go to External Site==
  - Suggestions for Adding Friends
  - ==Get Movie Recommendations*==

- Guests
  - ==View Movie Pages==
  - ==Sign Up for Membership==

- Moderators
  - Approve/Reject Reviews
  - ==Create/Delete Groups*==

- Administrators
  - Add new Moderators
  - Add new Movies
  - Ban Users

*Denotes new use cases added to the scope
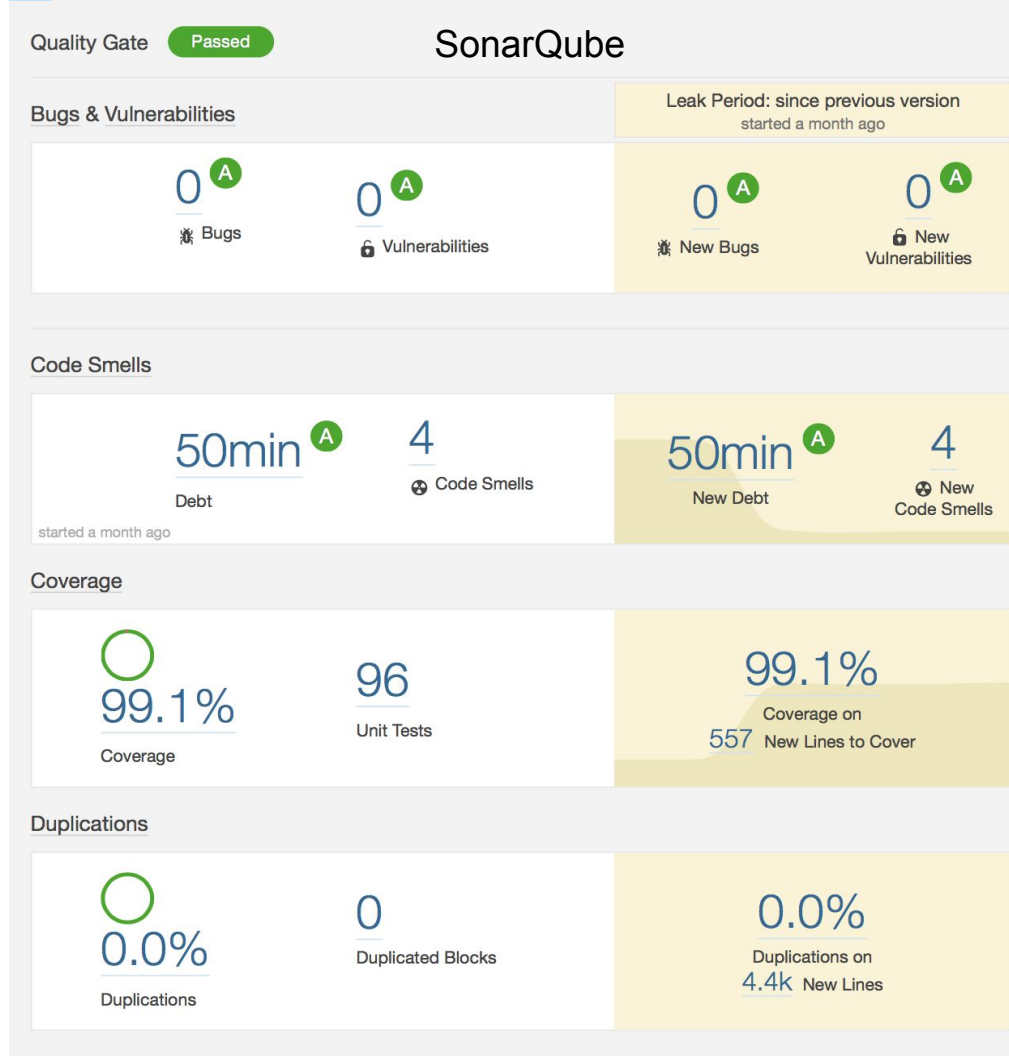Completed use cases are highlighted

System Functionality: Usefulness for Client

- What did our client want to achieve?
  - Hybrid of an online movie database and a social network
  - Friends should be able to share film ratings and recommendations with each other
  - A predictive recommendation system using machine learning
  - Searchable collection of movies
  - Create free accounts
  - Assign ratings to films
- Our system has fulfilled the basic needs of the client and therefore is a useful product

Job Quality

- We have fully tested our code from the front and back end to ensure functionality and quality
- 99% Test Coverage
- 0 Bugs and/or Vulnerabilities

SonarQube

Quality Gate   Passed

Bugs & Vulnerabilities

Leak Period: since previous version
started a month ago

0 A
🐞 Bugs

0 A
🔒 Vulnerabilities

0 A
🐞 New Bugs

0 A
🔒 New Vulnerabilities

Code Smells

50min A
Debt

4
⊗ Code Smells

50min A
New Debt

4
⊗ New Code Smells

started a month ago

Coverage

99.1%
Coverage

96
Unit Tests

99.1%
Coverage on
557 New Lines to Cover

Duplications

0.0%
Duplications

0
Duplicated Blocks

0.0%
Duplications on
4.4k New Lines

Job Quality: Overall Improvement

Sprint	Open	Closed	Tests Review	In development
None	23	34	0	3
Sprint 1	0	8	0	0
Sprint 2	3	11	0	2
Sprint 2, Sprint 3	0	3	0	0
Sprint 2, Sprint 3, Sprint 4	0	1	0	0
Sprint 2, Sprint 5	0	1	0	0
Sprint 3	1	16	1	0
Sprint 4	1	16	0	0
Sprint 4, Sprint 5	0	1	0	0
Sprint 5	4	12	0	0
Sprint	Open	Closed	Tests Review	In development

JIRA Progress Report

- Progress in each sprint
  - More functionality per use case
  - Sub-tasks per use case rather than many use cases
  - Organizing dependencies
- Better scope planning for each sprint
  - Improved understanding of capability per sprint
- Familiarization with tools
- Gaining momentum

Teamwork

- Project Management
  - Planning ahead was key
- Understanding strengths and weaknesses
  - Acknowledging past experiences
  - Willingness to collaborate
- Being vocal about schedules and availability
  - Some sprints were more busy than others
- Constant communication about work
  - Dependencies
  - Issues
  - Using tools like Slack

Process and Organization

- A Well-Organized Project
  - Constantly updating JIRA
    - Development tasks and stages
    - Assigning tasks at the beginning of the sprint
    - Creating sub-tasks to broader use cases
    - Discussion of what is needed from front-end and back-end
    - Acknowledging dependencies

Process and Organization Automation

- Jenkins - Build
- SonarQube - Test
- JIRA
  - Smart commits
- GitHub
- Continuous integration

Team Challenges

- Knowledge/Background/Experiences
  - Lacked experience in the front-end
  - Range of technical expertise
  - Front-end, back-end integration

- Time
  - Busy schedules - finding time to meet up
  - Equal workload every week

Solutions:

- Sending tutorials to each other
- Asking questions
- Asking for help
- Planning meetings ahead
- Being vocal about schedules and other classes
- Making up work the next sprint

Technology Transfer

Current System

- Basic needs and functions are in place
- In condition to be used by clients
- Code is available on GitHub

Next Steps/Recommendations

- Adding more functionality and use cases
- Improve front-end design
- More powerful CI and deployment servers

Thanks for watching!