

101workshop 22 Oct 2012

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Modeling community resources

Motivation

- People meet in (virtual) communities
 - Often these communities evolved around certain topics
- People often exchange knowledge in these communities
 - Forums
 - Question/Answer sites
 - ...

Motivation

- Some of these sites are very big or popular
 - They have lots of users
 - They store a lot of knowledge
 - Knowledge often under a Creative Commons License
- It would be great if we could use these knowledge shelters

Motivation

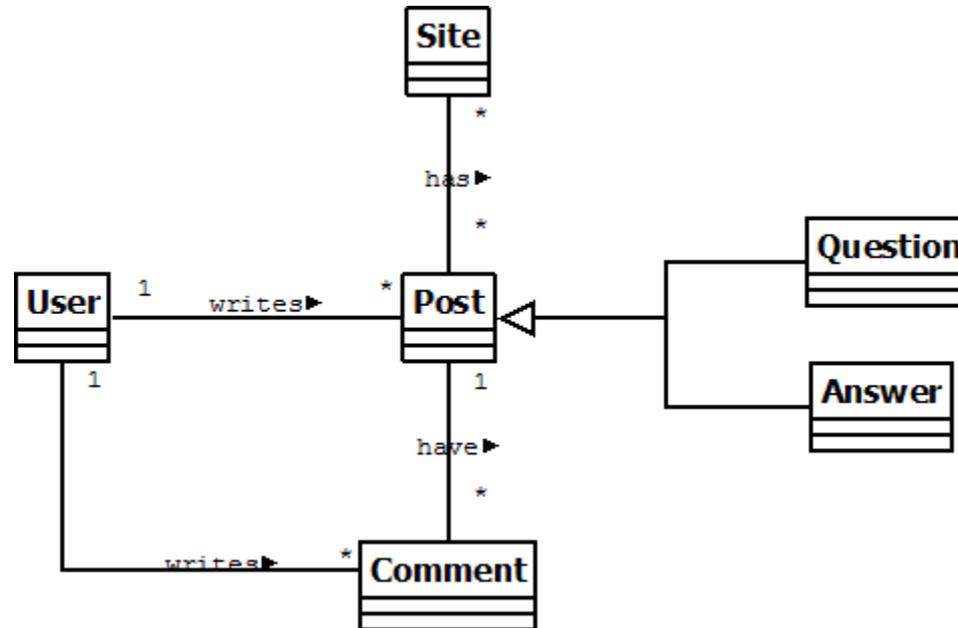
- In order to use them, we need to understand them
 - Best way to understand them: Create a model
- Let's take a look at StackOverflow and Github

StackOverflow

StackOverflow

- Deals with a wide range of computer programming topics
- Uses a Question/Answer format
 - Users posts Questions
 - Other Users post Answers
 - Both can have Comments

StackOverflow

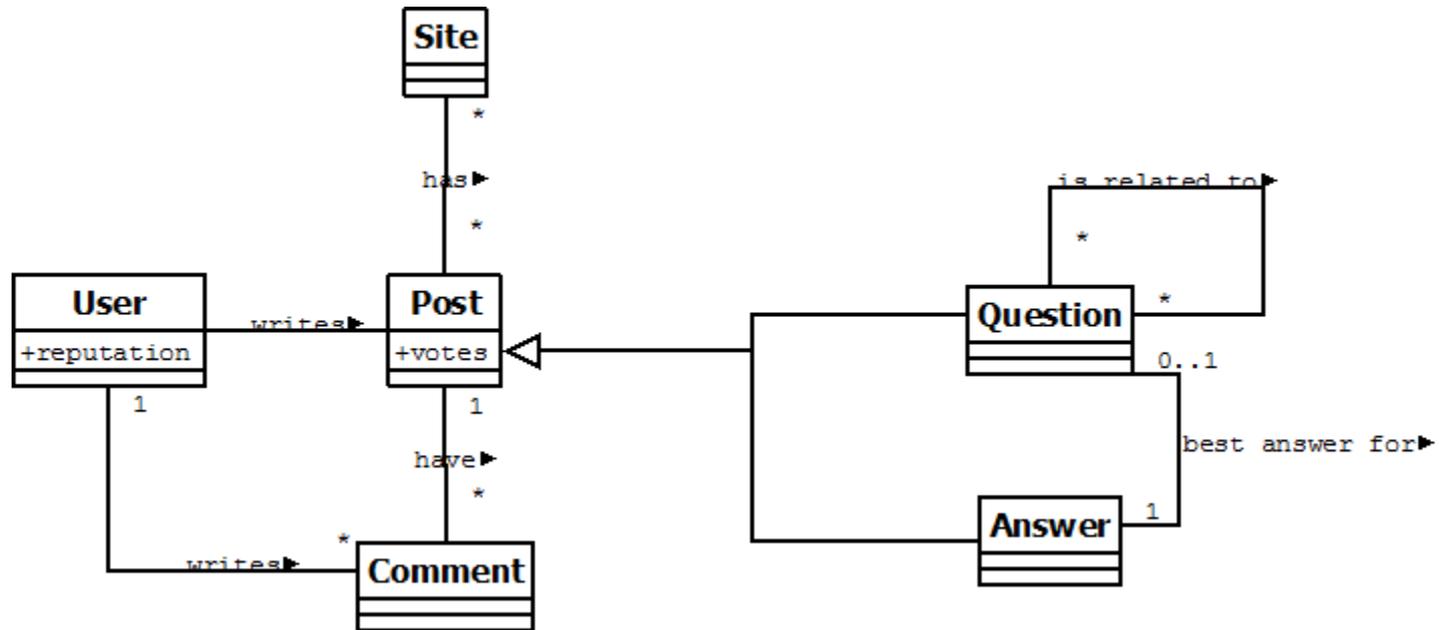


- Normally a site has one question and multiple answers
- Special sites have multiple questions

StackOverflow

- Questions can relate to other questions
- The Questioner can select one answer as the best one
- Users can vote for good posts
 - Authors of good posts receive Reputation points by that

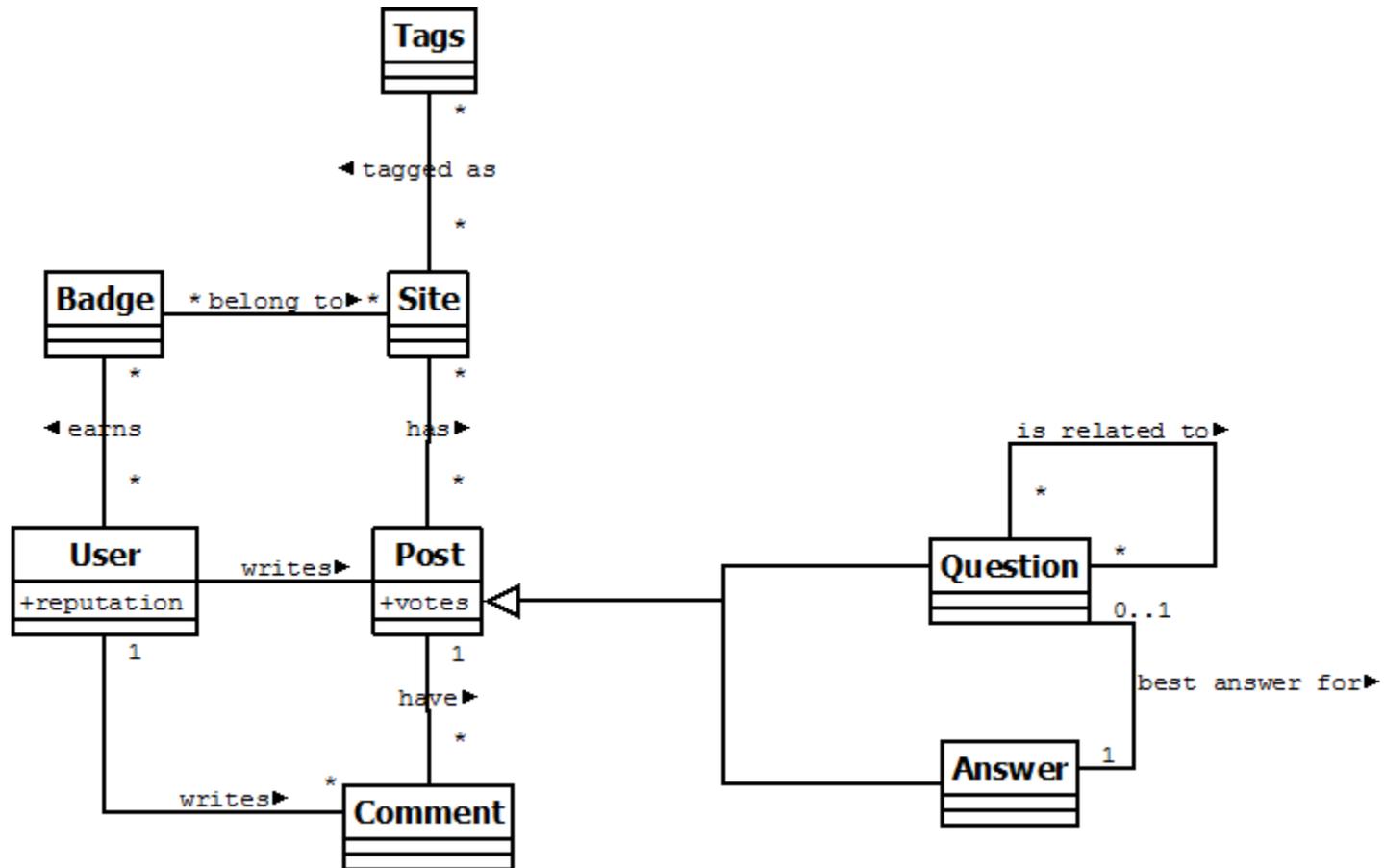
StackOverflow



StackOverflow

- StackOverflow uses „Gamification“ to motivate Users
- Users can earn Badges
- StackOverflow uses Tags for Sites to categorize them

StackOverflow



Github

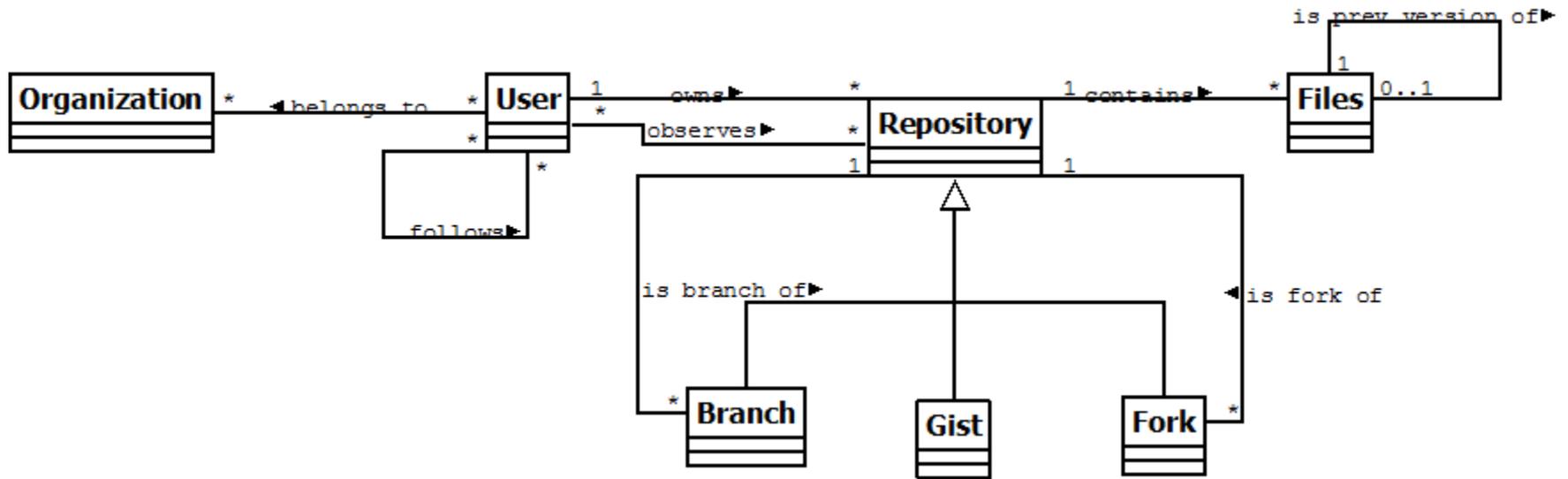
Github

- Web based hosting service for Git revision control system
- Slogan: „Social Coding (for all)“
- „Social Network“ is created through distributed revision control
 - Projects are forked and and merged

Github

- Repositories store Files
- Special kinds of repositories are Branches, Forks and Gists
- Users can own a repo and belong to organizations
- They can also follow other Users, observe an repository

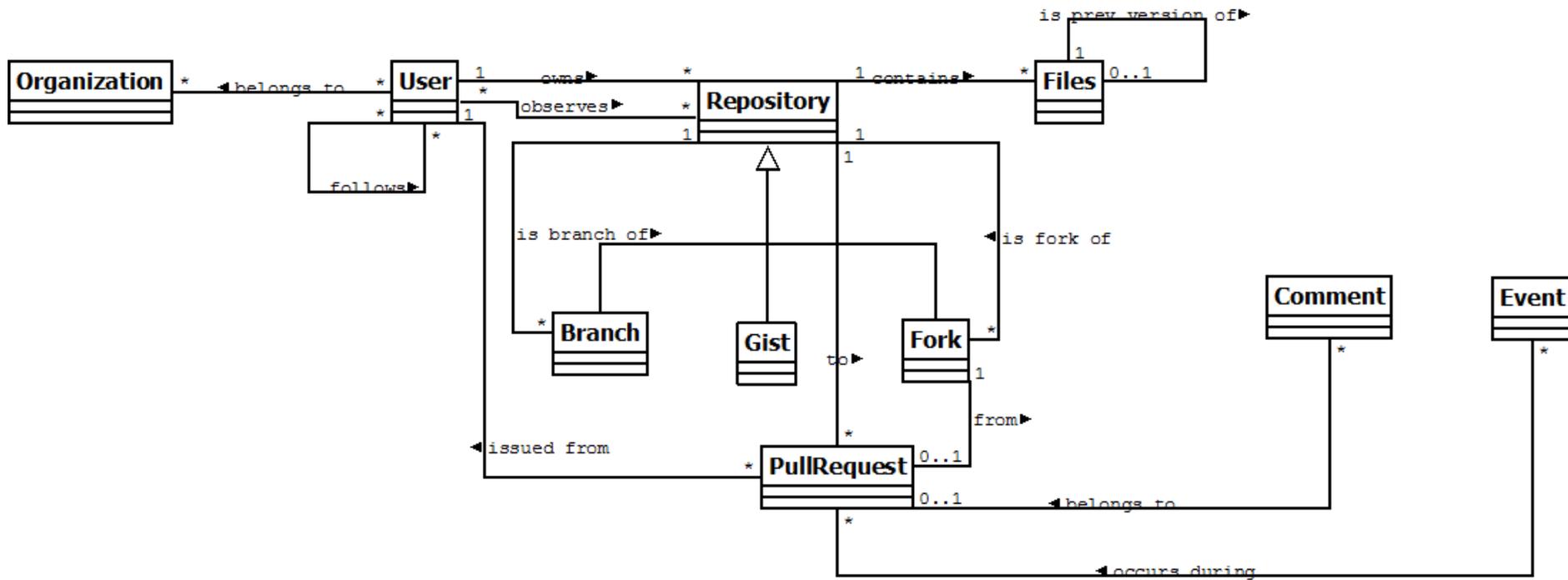
Github



Github

- When Users want to reintegrate their forks, they issue Pull requests
- Pull requests can be commented on
- Certain Events are associated with Pull requests

Github



Github

- Repositories also have an Issue System
- Issues have a due date and relate to each other
- They are assigned to a User
- Certain Events are associated with an Issue
- Repositories also have an associated Wiki

Github

