

Issues and troubles during ESE Project 2011

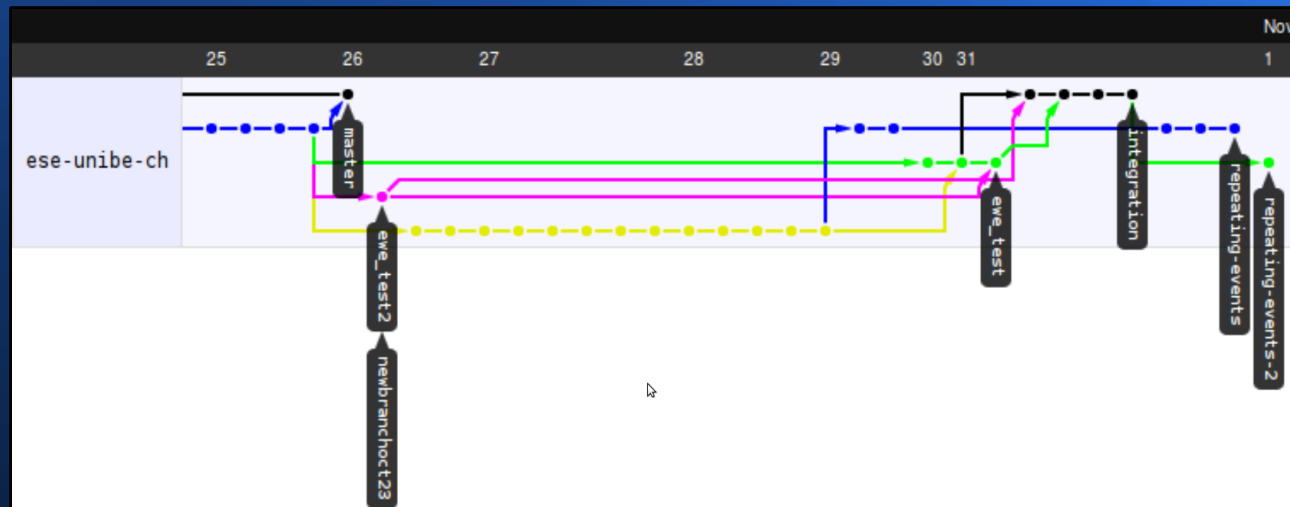
Team 4

Outline

- Organizational issues
 - Git
 - Branching concept
 - Commit Guidelines
- Technical issues
 - Java Persistence API (JPA)
 - Repeating events

Git

- yes, we now work in a team

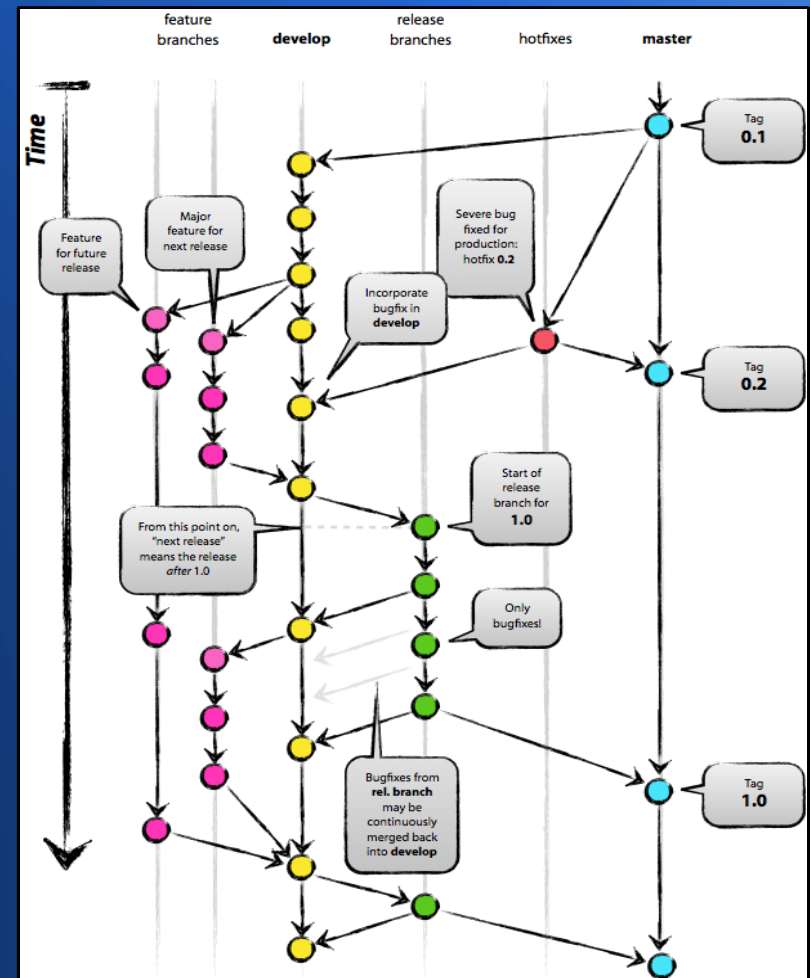


- Confusing and unclear version history
- Extensive amount of time spent for merging
- Afraid of pushing and pulling at all

Git branching model

- let's at least give fancy names to our chaos

- 1 master branch
- 1 integration branch
- Individual feature branches
- 1 merge a week and then tag it



Source:
<http://nvie.com/posts/a-successful-git-branching-model/>

Commit guidelines

- don't mess with other people's code

- Commit and push as often as you can
- Before you push make sure that...
 - ...you have run JUnit tests.
 - ...you have at least tested the application with smoke tests.
 - ...you pulled from the public repository.

Java Persistence API (JPA)

- it makes everything easier, right?

```
@Entity
@Inheritance(strategy = InheritanceType.SINGLE_TABLE)
@DiscriminatorColumn(name="EVENTTYPE", discriminatorType=DiscriminatorType.STRING)
@Table(name="Event")
public abstract class Event extends Model {
    @Required
    @ManyToOne
    public Calendar origin;

    @Required
    public String name;

    @Required
    @Type(type="org.joda.time.contrib.hibernate.PersistentDateTime")
    public DateTime startDate;

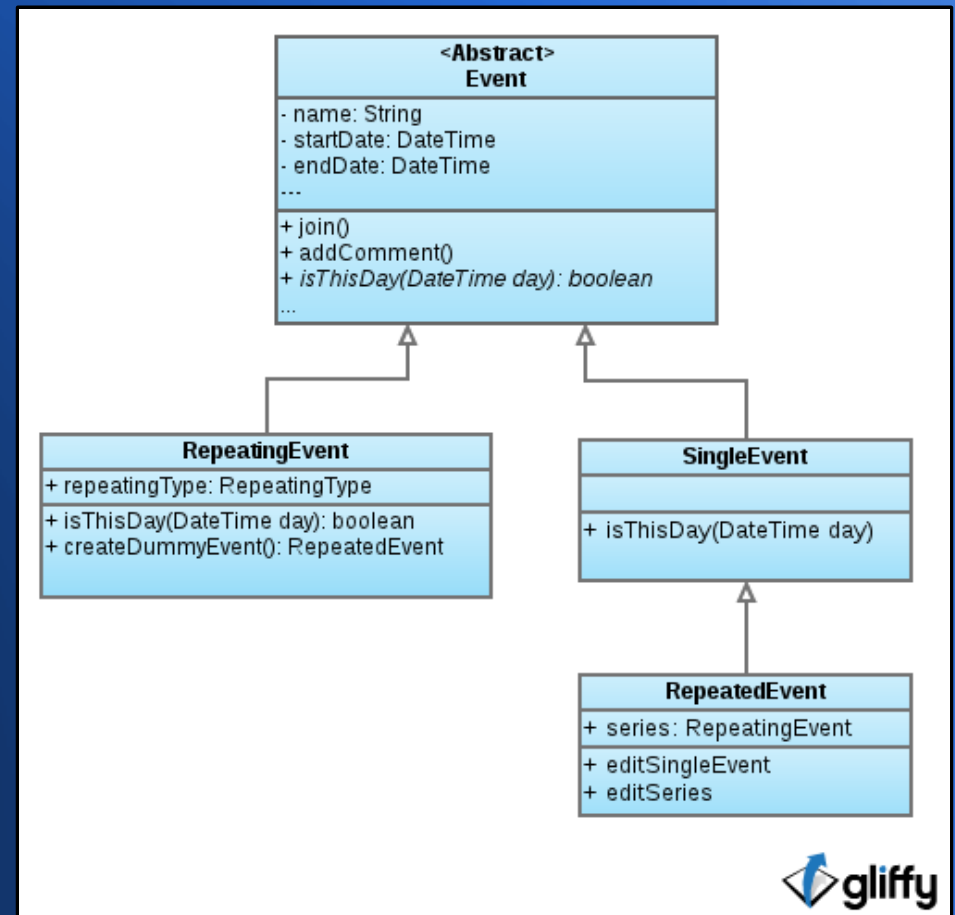
    @Required
    @Type(type="org.joda.time.contrib.hibernate.PersistentDateTime")
    @CheckWith(EndAfterBeginCheck.class)
    public DateTime endDate;

    @ManyToMany
    public List<Calendar> calendars;
```

Repeating events

- also called repeating headaches

- A element which should never be displayed
- A lot of elements which should be displayed but not saved



Questions

- experiences, smart remarks, suggestions

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