

# SteppIntoAction

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**Taking the pain out of volunteer scheduling**



# UI Exposed

The screenshot shows a web application interface for 'Stepp Into Action'. At the top right, it says 'You are logged in as benwei | logout'. Below that is a search bar with a 'Go' button. The main navigation bar includes 'Home', 'Calendar', 'Organizations', 'Administration', and 'Tutorials'. On the left, there is a 'Calendars' section with a list of checkboxes: 'My Free Time' (checked), 'My Events' (checked), 'Roots Shelter' (unchecked), and 'Sierra Club' (unchecked). Below this is a small monthly calendar for February 2008. The main content area is a larger calendar view for February 3-9, 2008, in 'Weekly' view. It shows a grid with columns for days of the week. A pink event titled 'Happy Fun Time' is scheduled for Tuesday, 2/5, from 8:00 to 12:00. A green event is scheduled for the same day from 12:00 to 2:00. Annotations with arrows point to these events.

**Volunteer's entered availability info (blue events)**

**Shifts volunteer has been scheduled for**

**Calendars for volunteer's orgs.**

**Shift in need of volunteers (click to sign-up)**

**Shift with all volunteers**

# Tools!

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- **Ruby on Rails (learning as we go)**
  - RESTful authentication - user management
  - runt gem - build & query recurring events painlessly (based on a paper by Fowler!)
- **MySQL on live server**
- **Subversion + post-commit hooks**
- **Trac (bug tracking, SVN browsing, wiki)**

# Team Structure

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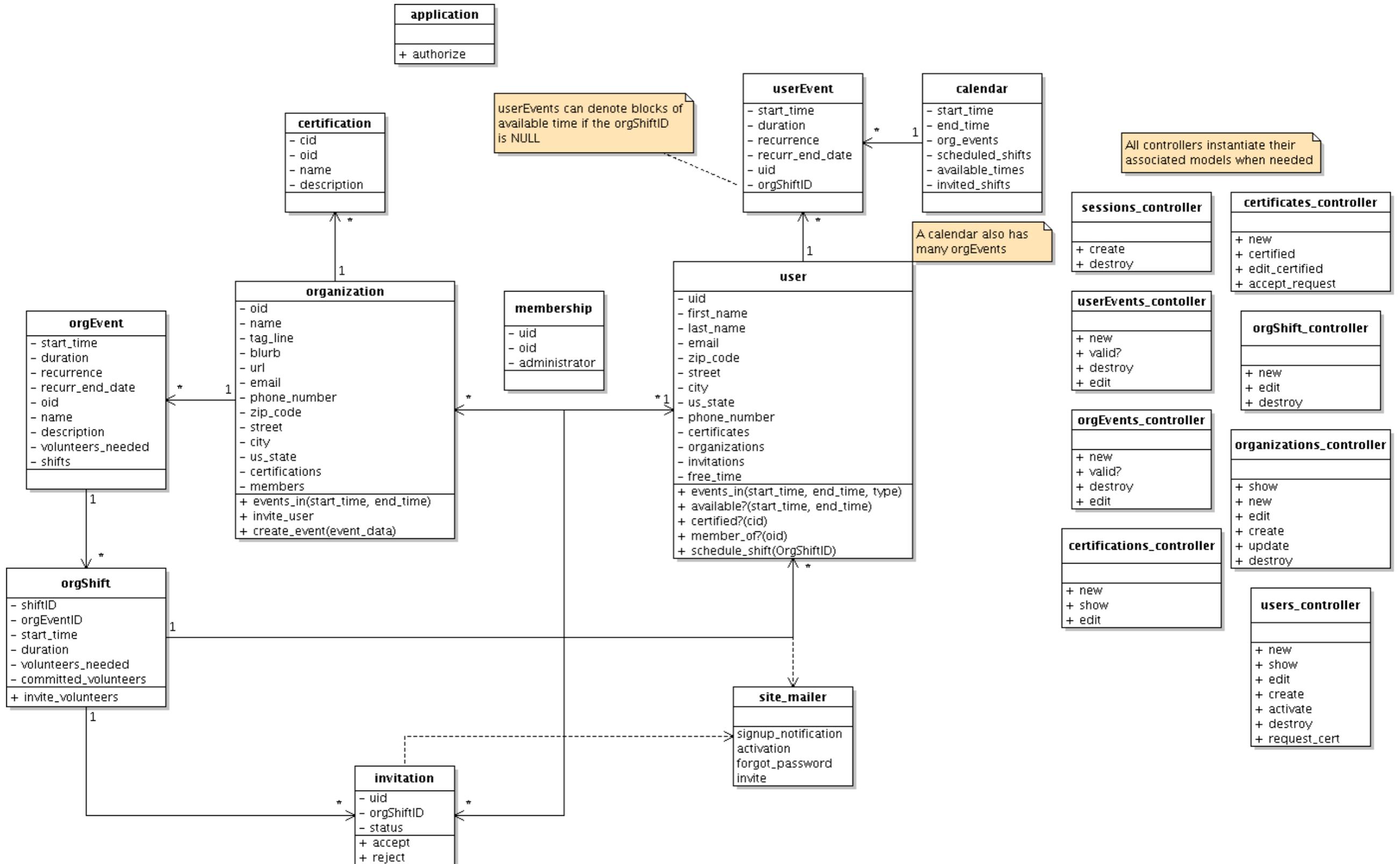
- **Teams of 2 have responsibility for each feature**
  - design is done jointly, coding is divided
  - testing is done first by the primary developer for a sub-feature, and then by the feature partner
- **Weekly code reviews**
  - A different partner looks over check-ins since last review; stylistic modifications are checked in with a single commit
- **Conflict resolution**
  - Drink-off – alternating shots of gin and tequila with volume scaled for size; first to pass out loses

# Major Features & Goals

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- **Allow organizations to create events composed of shifts**
- **Volunteers enter their availability information and through the magic of automatic scheduling are assigned to shifts**
- **Volunteers may also sign up for shifts manually**
- **All of this information is summarized in a convenient weekly calendar view for users & organizations.**

# System Structure



- sessions\_controller**
  - + create
  - + destroy
- certificates\_controller**
  - + new
  - + certified
  - + edit\_certified
  - + accept\_request
- orgShift\_controller**
  - + new
  - + edit
  - + destroy
- organizations\_controller**
  - + show
  - + new
  - + edit
  - + create
  - + update
  - + destroy
- users\_controller**
  - + new
  - + show
  - + edit
  - + create
  - + activate
  - + destroy
  - + request\_cert
- userEvents\_controller**
  - + new
  - + valid?
  - + destroy
  - + edit
- orgEvents\_controller**
  - + new
  - + valid?
  - + destroy
  - + edit
- certifications\_controller**
  - + new
  - + show
  - + edit

# Progress

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- **User management**

- create new user, validate user, create session, protect page

- **Look and feel**

- mess of CSS for the calendar
- basic HTML/CSS layout based on the Photoshop prototype
- forms for user and organization creation

- **Important architecture decisions**

- handing recurring events
- organization and user calendars are essentially the same
- Eli is “the intern”

