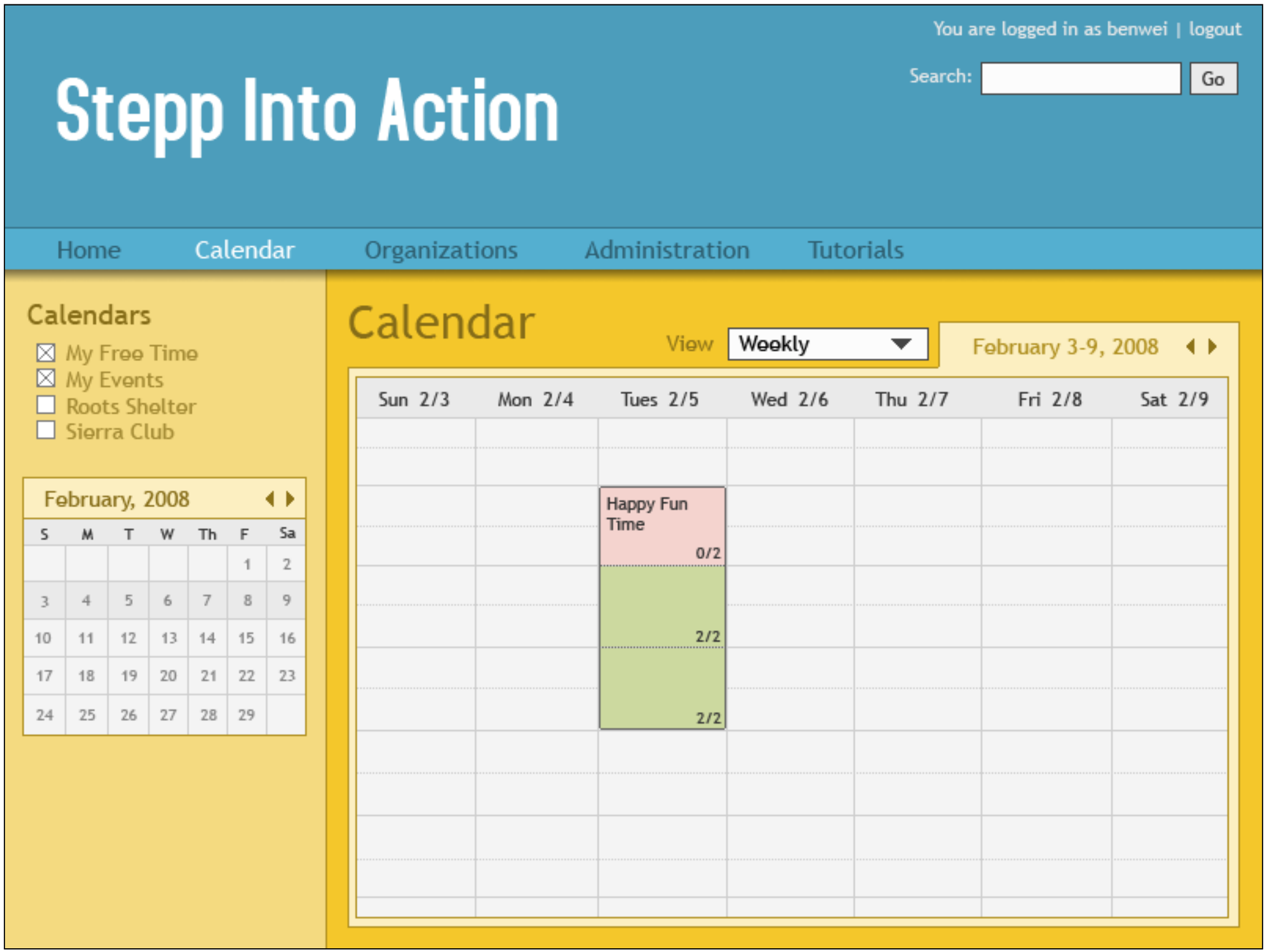
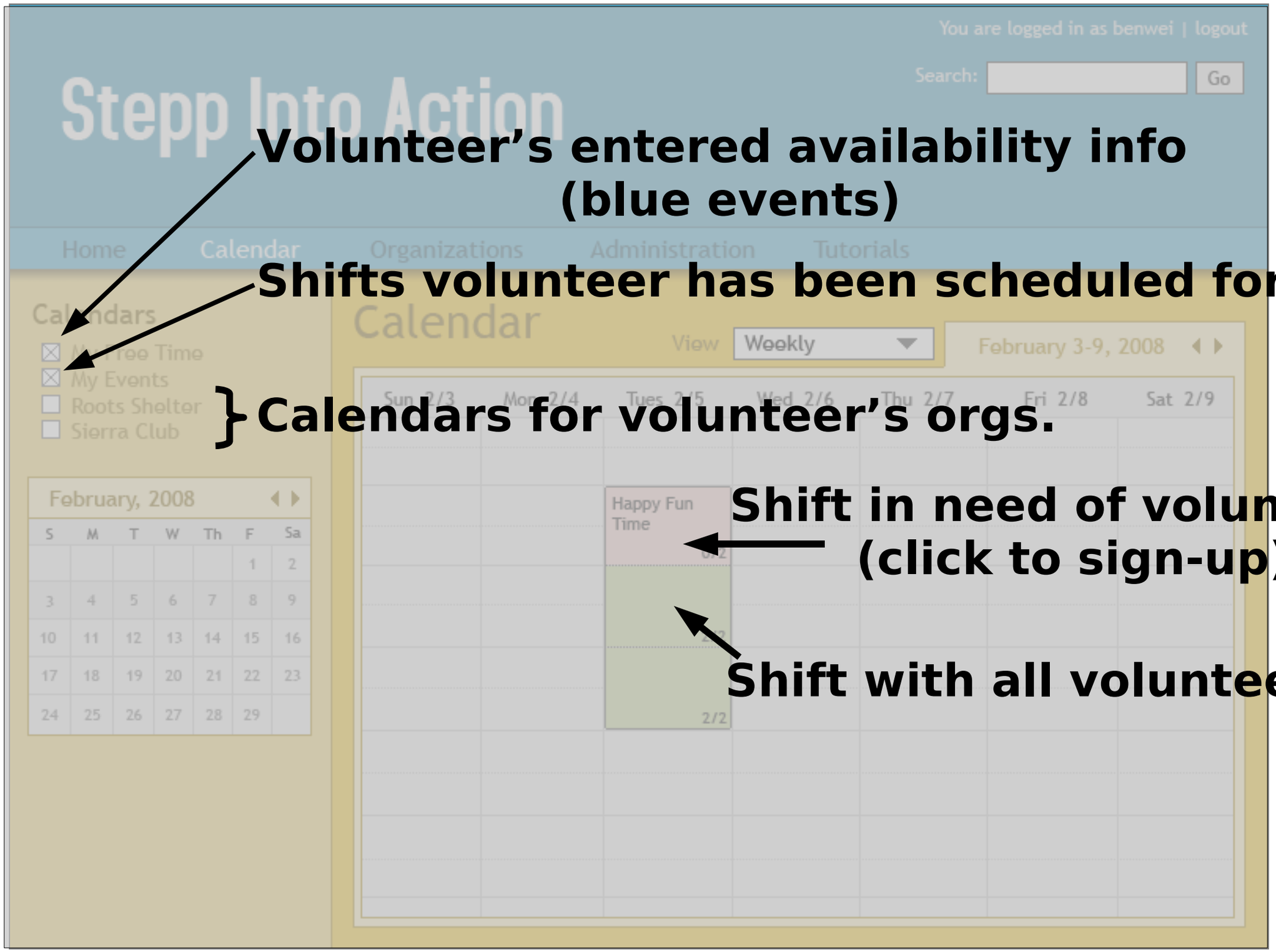
SteppIntoAction

Taking the pain out of volunteer scheduling

UI Mockup (<3 Photoshop)



UI Exposed


You are logged in as benwei | logout
Search:
Go
Stepp Into Action
Home
Calendar
Organizations
Administration
Tutorials
Calendars
My Free Time
My Events
Roots Shelter
Sierra Club
Calendar
View
Weekly
February 3-9, 2008
Sun 2/3
Mon 2/4
Tues 2/5
Wed 2/6
Thu 2/7
Fri 2/8
Sat 2/9
Happy Fun Time
2/2
February, 2008
S M T W Th F Sa
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!

- **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)**

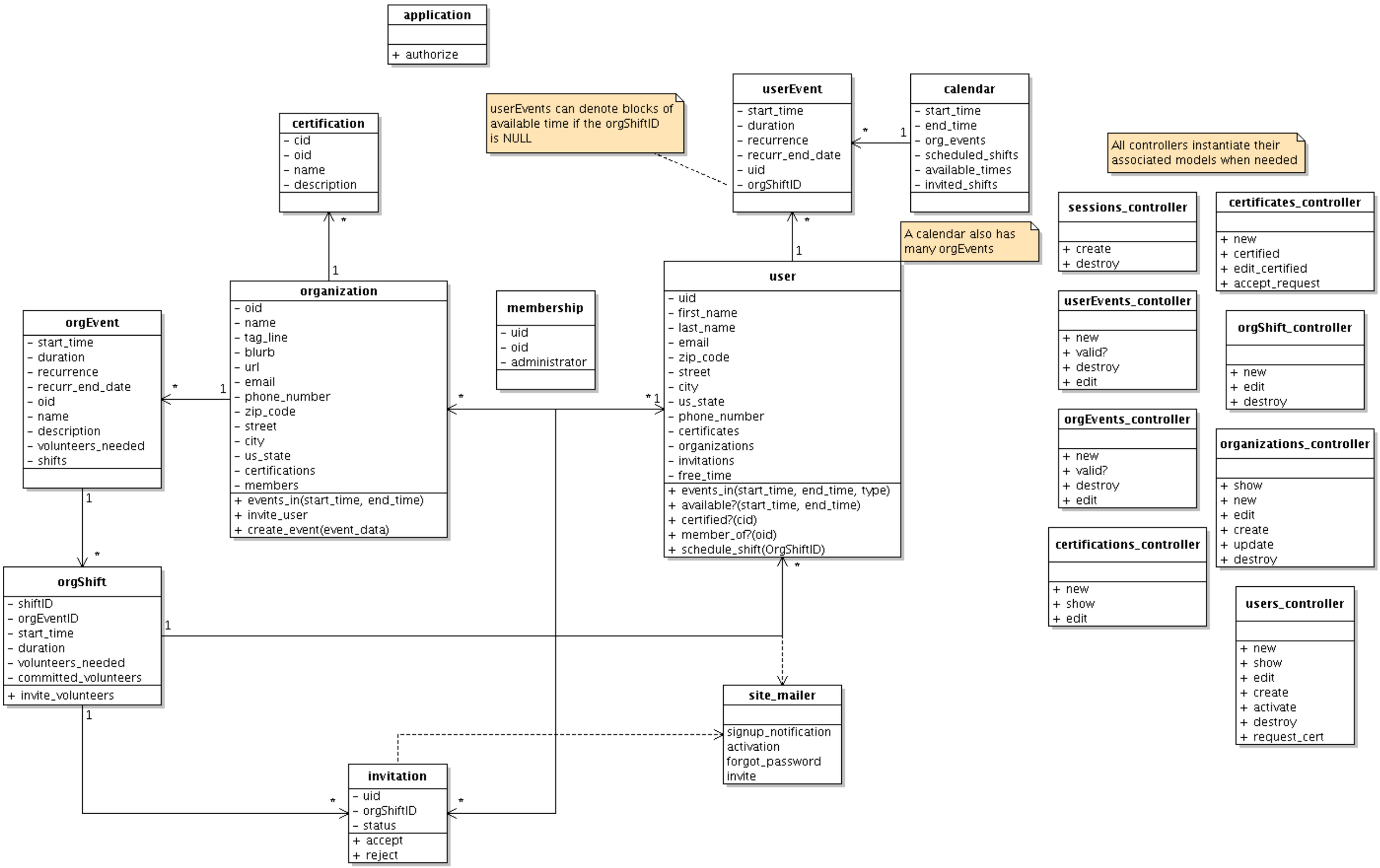
Team Structure

- **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

- **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



Progress

- **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”