Scrum Time - Open Source Scrum Tool

Created and Maintained By

scrumtime.org

Financial Support Provided By

Incline Solutions, Inc.

Open Source Used By This Project

Editor Used

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Use Cases

User Registration

Preexisting Conditions

- User is not authenticated in the web site.

Process

- User navigates to the *Registration* web page.
- User enters the following information:
  - email address (used as username)
  - email address (for verification)
  - password
  - password (for verification)
  - first name
  - last name
- public display name
  - country
  - time zone
  - user visibility
    - *public* - the user is listed in the user directory such that all system users may find the user
  - *organization* - the organization is listed in the user directory such that only members of the same organization may find the user
  - product – the user is listed in the user directory such that only members of the same product(s) as the user may find the user.
    - access code
      - a dynamically generated image that contains random characters for an end user to enter in an input box
      - used to separate the human user from the automated machine user
- User indicates that they accept the user agreement.
- User submits the registration information.
  - System verifies that there are no other accounts set up with the same email address.

- An email is sent to User that requires the user to click on a URL that confirms User's intentions to register a user account. This confirmation is necessary to activate the account.

User Login

Preexisting Conditions

- User is not authenticated in the web site.

Process

- User navigates to the *Login* web page.
- User enters the following information:
  - email address
  - password
- User has the option to allow the browser to remember User to avoid entering the password for each separate visit.
- User may go to another web page if User has forgotten their password.
- User may go to another web page if User does not have an account. This page is referred to as the *Registration* web page.
- User submits the login information.

Create Organization

Preexisting Conditions

- User is authenticated in the web site.

Process

- User navigates to the *Organization* web page that is a subset of the Account web page
- User enters the following information:
  - organization name
  - organization description
  - organization type
    - private individual
    - open source individual or group
    - business individual or group

- o organization visibility
  - ■ *public* - the organization is listed in the organization directory such that all system users may find the organization
  - ■ *organization* - the organization is listed in the organization directory such that all organization members may find the organization
- ● User accepts owner role for the organization.
- ● User submits the organization information.
  - o System verifies that there are no other organizations with the same name.

Create Product

Preexisting Conditions

- ● User is authenticated in the web site.

Process

- ● User navigates to the *Product Creation* web page.
- ● User enters the following information:
  - o organization name to associate to this product
    - ■ System allows User to associate a product with only the list of organizations for which User has organization administrator privileges or product creation privileges
  - o product name
  - o product description
  - o product visibility
    - ■ *public* - the product is listed in the product directory such that all system users may find the product
    - ■ *organization* - the product is listed in the product directory such that all organization members may find the product
    - ■ *product* - the product is listed in the product directory such that all product members may find the product
  - o product members
    - ■ User may leave the user associations empty
    - ■ The user associations provide product level security that is managed by a user with organization administrator privileges or product creation privileges. Only users associated with a product may view details of the

product.

- A user may be associated with a product that is not part of the organization. An example is that of the customer's participation in the product. The customer may not be part of the organization but they may have a significant impact on the product's development cycle.

- Product member roles

  - each member of the product must have at least read privileges

  - members may also be assigned create, update, and delete privileges for different aspects of the product based on the role the member is assigned

    - Scrum Master

    - Scribe

    - Customer

    - Contributor/Pig

    - Chicken

- User submits the product information.

  - System verifies that there are no other projects with the same name in the selected organization.

Find a Product

Preexisting Conditions

- User is authenticated in the web site.

- User has navigated to the *Product Management* web page.

Process

- Incomplete

Create a Product Backlog

Preexisting Conditions

- User is authenticated in the web site.

- User has navigated to the *Product Management* web page.

Process

- Incomplete

Create a Sprint

Preexisting Conditions

- User is authenticated in the web site.
- User has navigated to the *Product Management* web page.

Process

- Incomplete

Create a Sprint Backlog

Preexisting Conditions

- User is authenticated in the web site.
- User has navigated to the *Product Management* web page.

Process

- Incomplete

Find a Sprint

Preexisting Conditions

- User is authenticated in the web site.
- User has navigated to the *Product Management* web page.

Process

- Incomplete

Create a Scrum Team

Preexisting Conditions

- User is authenticated in the web site.
- User has navigated to the *Product Management* web page.

Process

- Incomplete

Find a Scrum Team

Preexisting Conditions

- User is authenticated in the web site.
- User has navigated to the *Product Management* web page.

Process

- Incomplete

Create a Scrum Meeting

Preexisting Conditions

- User is authenticated in the web site.
- User has navigated to the *Product Management* web page.

Process

- Incomplete

Create a Sprint Planning Meeting

Preexisting Conditions

- User is authenticated in the web site.

- User has navigated to the *Product Management* web page.

Process

- Incomplete

Create a Sprint Review Meeting

Preexisting Conditions

- User is authenticated in the web site.

- User has navigated to the *Product Management* web page.

Process

- Incomplete

View a Sprint Burn-down Chart

Preexisting Conditions

- User is authenticated in the web site.

- User has navigated to the *Product Management* web page.

Process

- Incomplete

View a Release Burn-down Chart

Preexisting Conditions

- User is authenticated in the web site.

- User has navigated to the *Product Management* web page.

Process

- Incomplete

View Active User Sessions

Preexisting Conditions

- User is authenticated in the web site.
- User has navigated to the *Site Management* web page.

Process

- Incomplete

Design

Page Layout

This layout assumes the user is authenticated and authorized as site administrator.

Main Layout

Planned for Release 0.5

Scrum Time						Logged in as: Ernie Paschall Help | Logout
Home	Sprint	Release	Product	Organization	General	
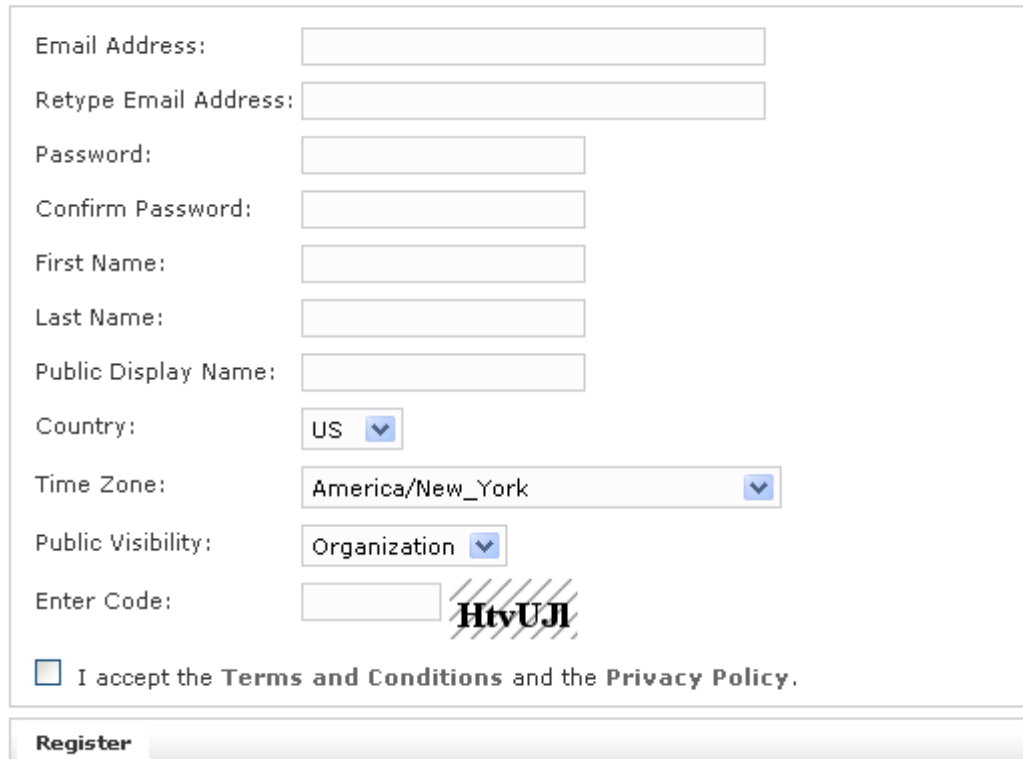
User Login

Illustration 1: Login Screen Shot

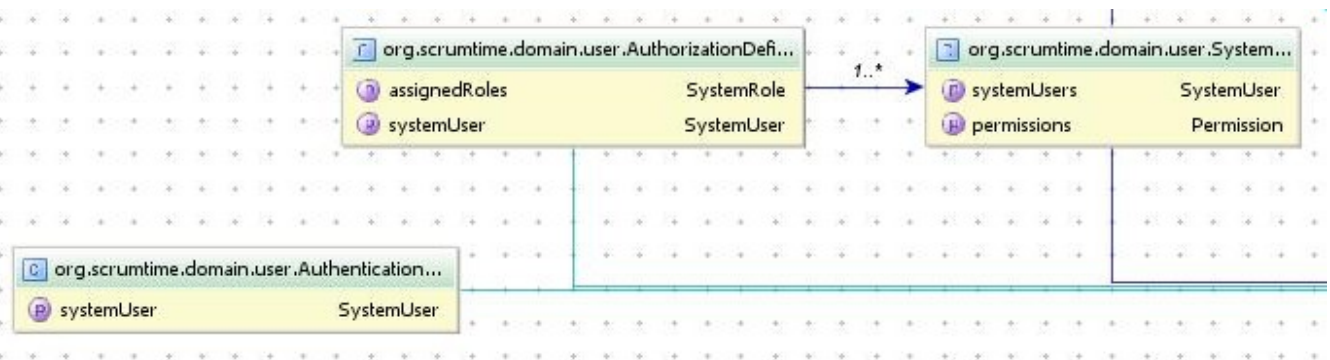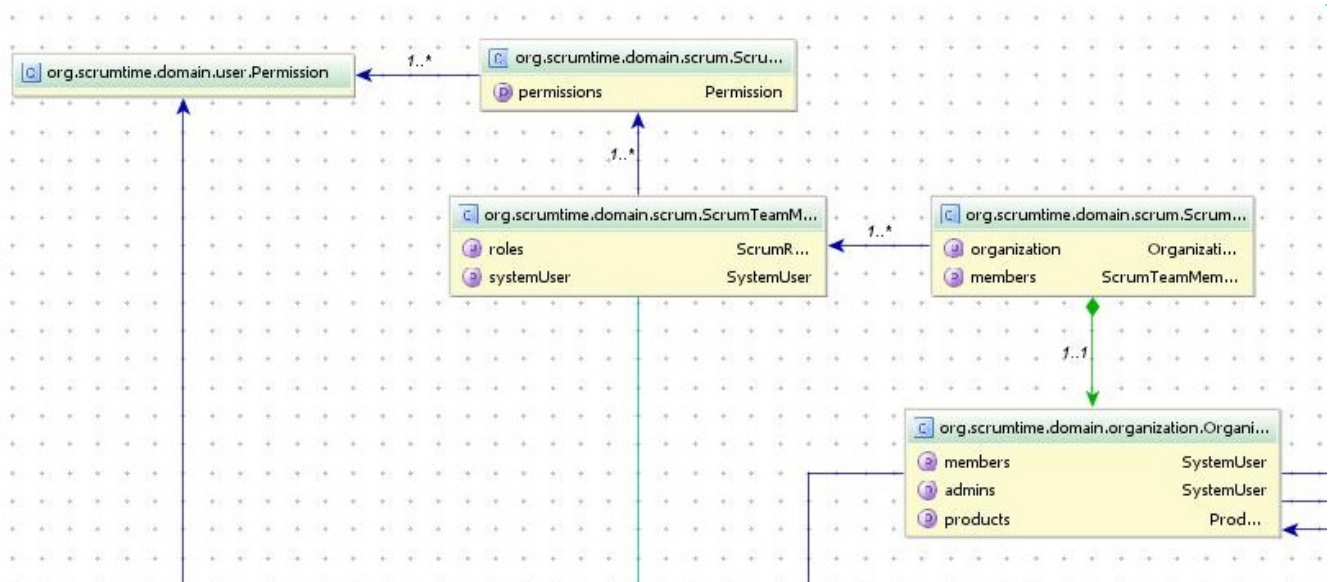***Registration Page***

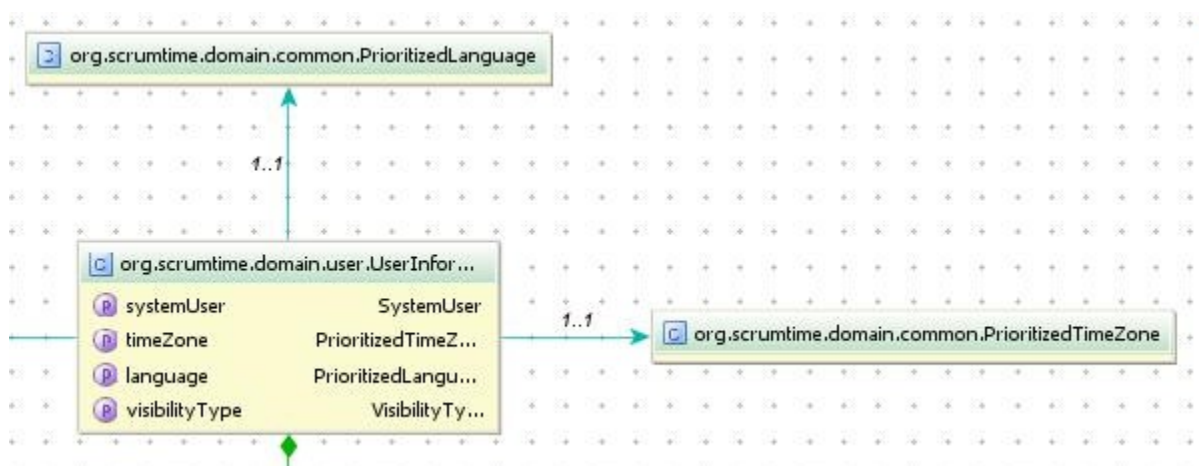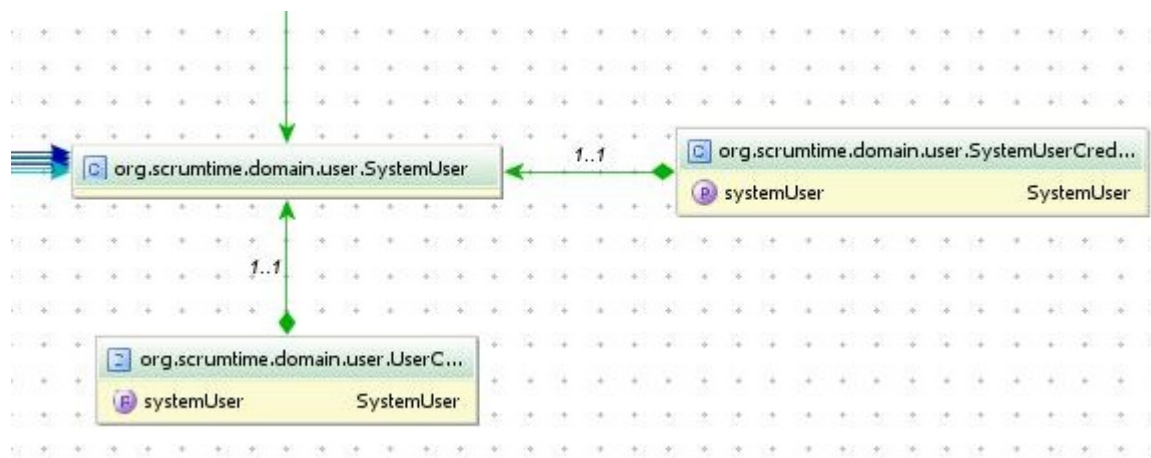*Illustration 2: Registration Screen Shot*

- Sends an email after pressing the Register button.
- Email contains verification link that User clicks in order to activate their account.

Database Schema

Current Tables:

org.scrumtime.domain.user.Permission

org.scrumtime.domain.scrum.Scru...
- permissions   Permission

1..*

1..*

org.scrumtime.domain.scrum.ScrumTeamM...
- roles   ScrumR...
- systemUser   SystemUser

1..*

org.scrumtime.domain.scrum.Scrum...
- organization   Organizati...
- members   ScrumTeamMem...

1..1

org.scrumtime.domain.organization.Organi...
- members   SystemUser
- admins   SystemUser
- products   Prod...

org.scrumtime.domain.common.VisibilityType

org.scrumtime.domain.user.AuthorizationDefi...
- assignedRoles   SystemRole
- systemUser   SystemUser

1..*

org.scrumtime.domain.user.System...
- systemUsers   SystemUser
- permissions   Permission

org.scrumtime.domain.user.Authentication...
- systemUser   SystemUser

Proposed Tables:

ScrumMeetings
- date of meeting
- start time
- finish time
- sprint

ScrumMeetingAttendees
- scrum meeting
- user

- role

WeeklyScrumMeetingCalendars

- sunday
- monday
- tuesday
- wednesday
- thursday
- friday
- saturday

ScrumStatus

- backlog item task
- hours remaining
- hours completed

Programmer's Reference

Development Environment

- GRAILS 1.0.3
  - *plugin* jcaptcha 1.0
  - *plugin* mail 0.1
  - using *mysql-connector-java-5.0.7-bin.jar* in the lib folder for mysql connectivity
- Groovy 1.5.6
- IntelliJ 7.0
  - plugin JetGroovy Plugin 1.5.16466
  - plugin Subversion Integration 1.0
- Subversion source control server
  - Hosted in Ubuntu

Unit Testing

- none at this time

Integration Testing

- Using the Bootstrap class to setup the database tables and add default data for each integration test.

Continuous Testing

- none at this time

Database

- Server MySQL 5.0.51a-community-nt
- Client MySQL Client Version 5.1.11
- Administrator Tool 1.2.12
- Query Browser 1.2.12

Target Deployment Environment

- Web container
  - Apache Tomcat 6.x (Testing and Production)

- may be clustered
- server certificate for https connections
    - Jetty 6.1.4 (Development)

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