Documentation

Skrubbgruppen (Group nr 9)

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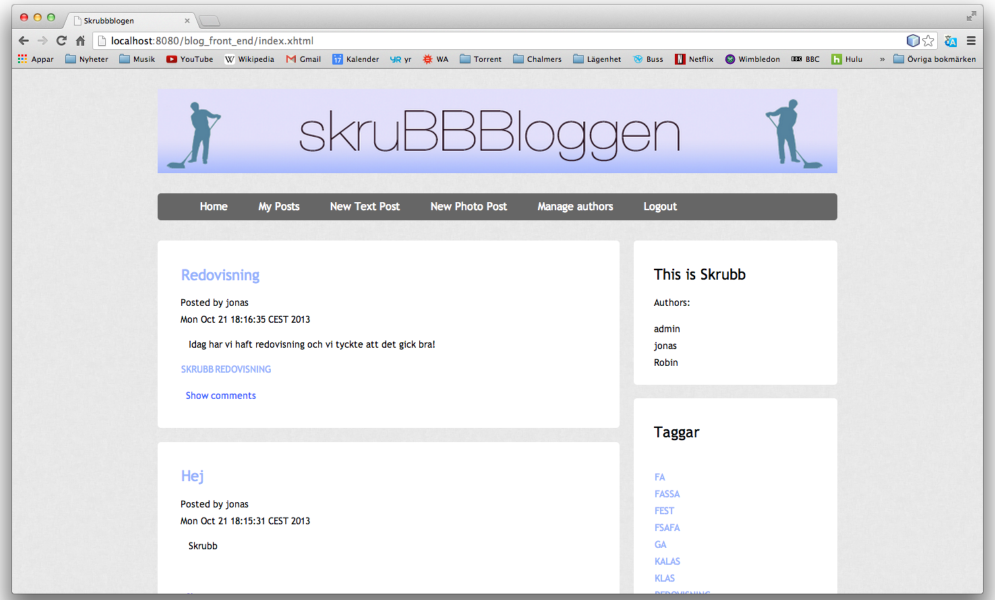
Skrubbbloggen

We have made a blog where several authors can log in and post text posts and photo posts, all to the same blog. The purpose of the blog is for the team members of Skrubbgruppen to blog about their ongoing projects, and for the fans to see what the Skrubbgruppen is working on. The blog is supposed to accessible via Internet and placed on a glassfish Server.



Redovisning

Posted by jonas
Mon Oct 21 18:16:35 CEST 2013

Idag har vi haft redovisning och vi tyckte att det gick bra!

SKRUBB REDOVISNING

Show comments

Hej

Posted by jonas
Mon Oct 21 18:15:31 CEST 2013

Skrubb

This is Skrubb

Authors:

admin
jonas
Robin

Taggar

FA
FASSA
FEST
FSAFA
GA
KALAS
KLAS

You can access the blog either as admin, author or reader.

- Admin has control over all the users and can add, edit and remove users from the database. Admin can also send posts to the blog.
- An author is able to publish post on the blog, but has limitation in managing users. He can only edit his own account.
- As a reader you can read the posts and add comments to individual posts. You can sort posts by tags.

A list of fully functional use cases

Front page

- ❑ See latest post(s)
- ❑ Navigate to see older posts
- ❑ Show all authors
- ❑ Show all tags
- ❑ Display posts with a common tag
- ❑ Show/hide comments
- ❑ Add comment
- ❑ Mobile device adjust page
- ❑ Log in
- ❑ Can’t access secured webpages if not logged in

Author/Admin

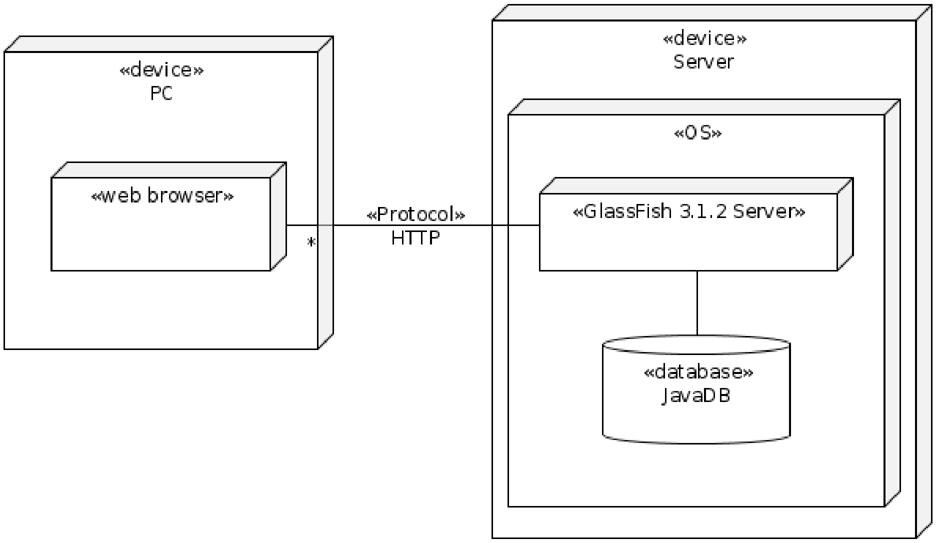
- ❑ Chat with authors
- ❑ New text post with tags
- ❑ New photo post
- ❑ Edit/delete his own posts
- ❑ Edit his own account/password

Admin only

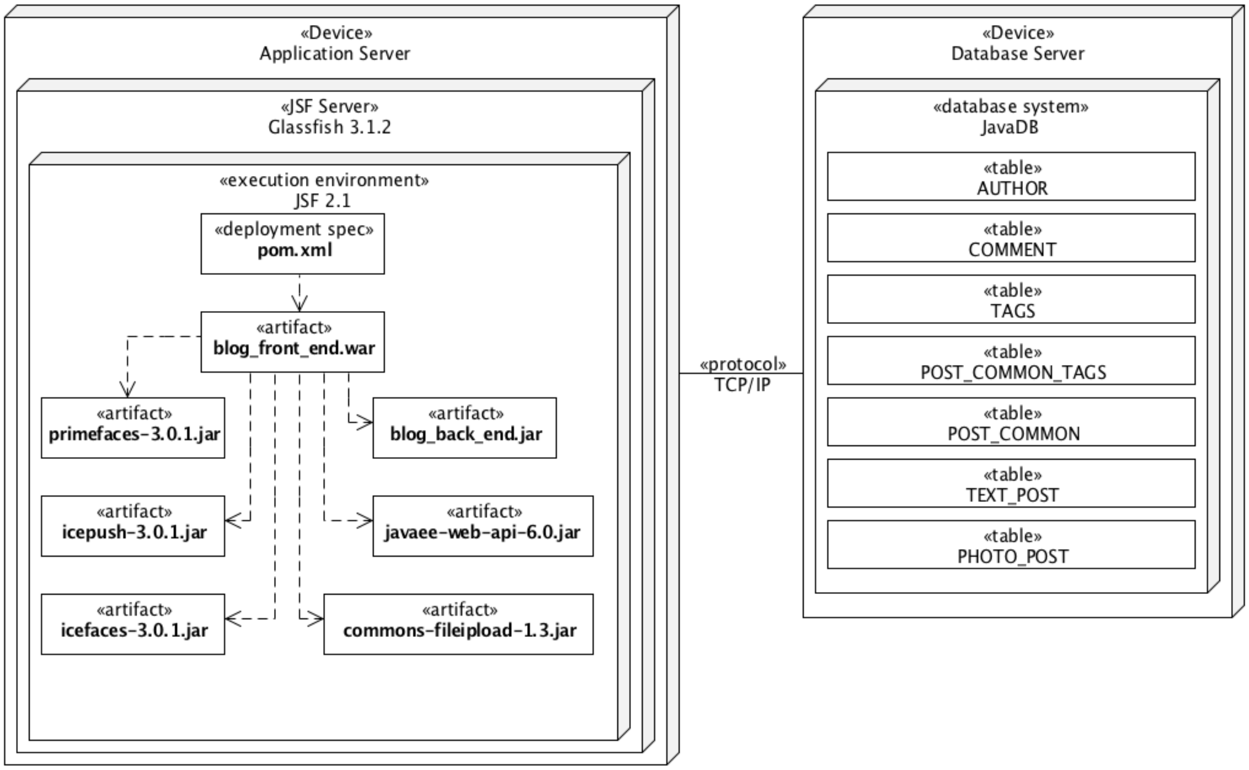
- ❑ Add new users
- ❑ Password and name control
- ❑ Edit users
- ❑ Delete users

Technical design of the system

Physical setup

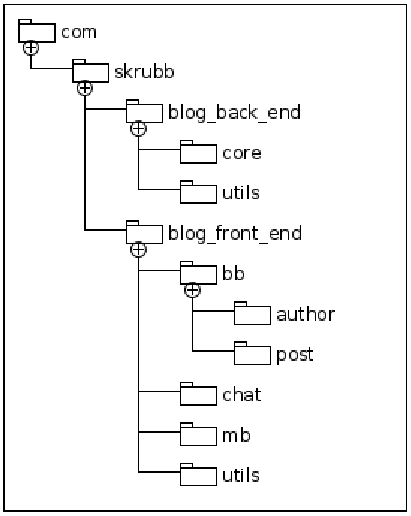


Participating software

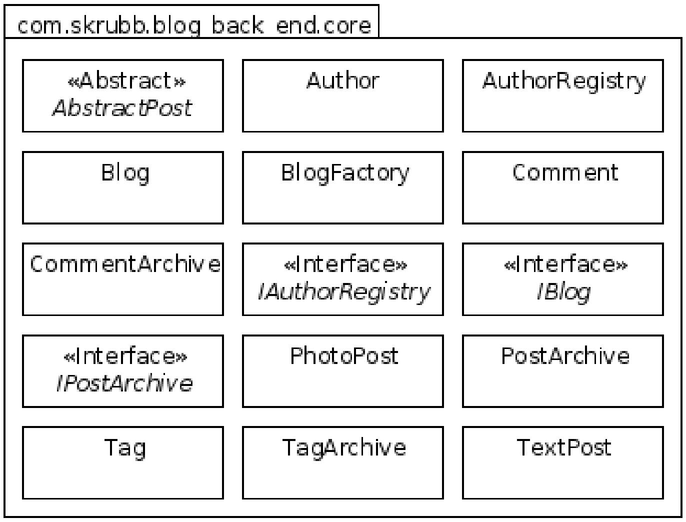


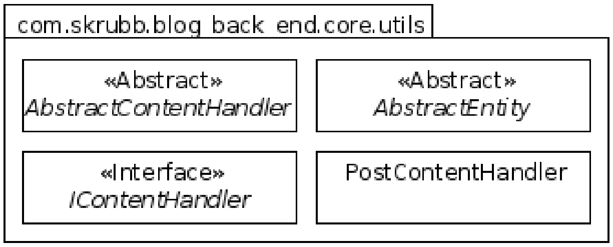
Packages

The following models describe the layout of the classes and packages.

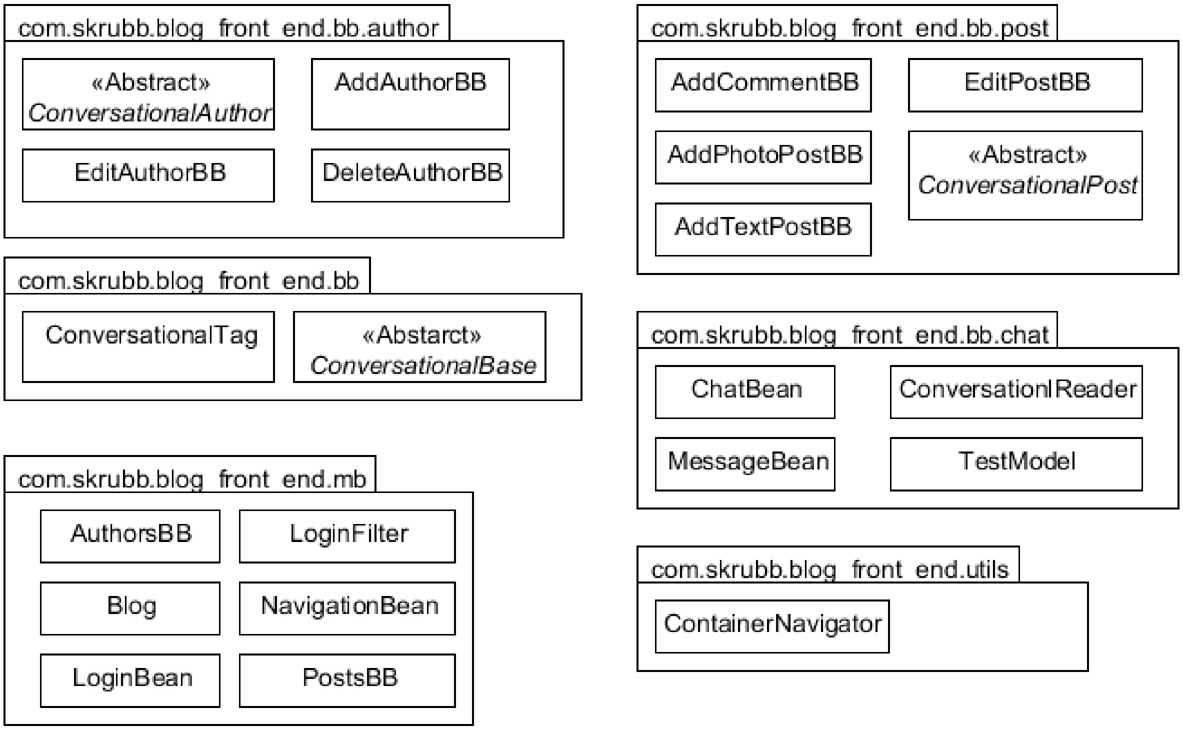


Back end

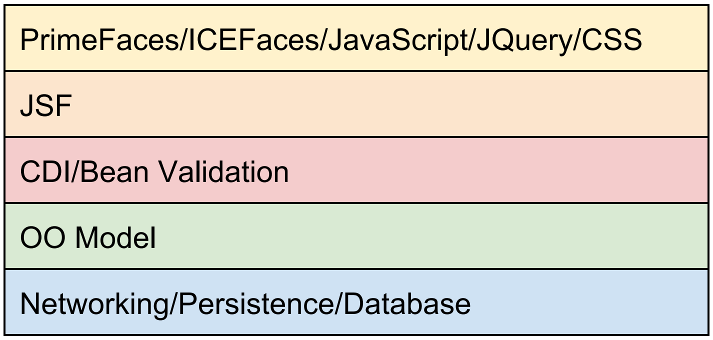




Front end

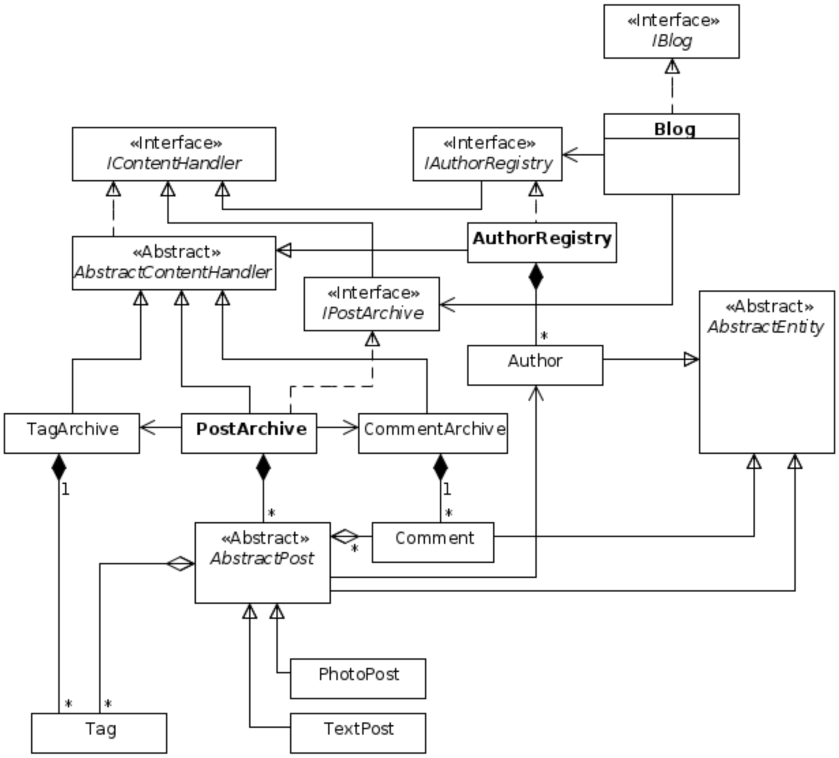


A layered view of the application


PrimeFaces/ICEFaces/JavaScript/JQuery/CSS
JSF
CDI/Bean Validation
OO Model
Networking/Persistence/Database

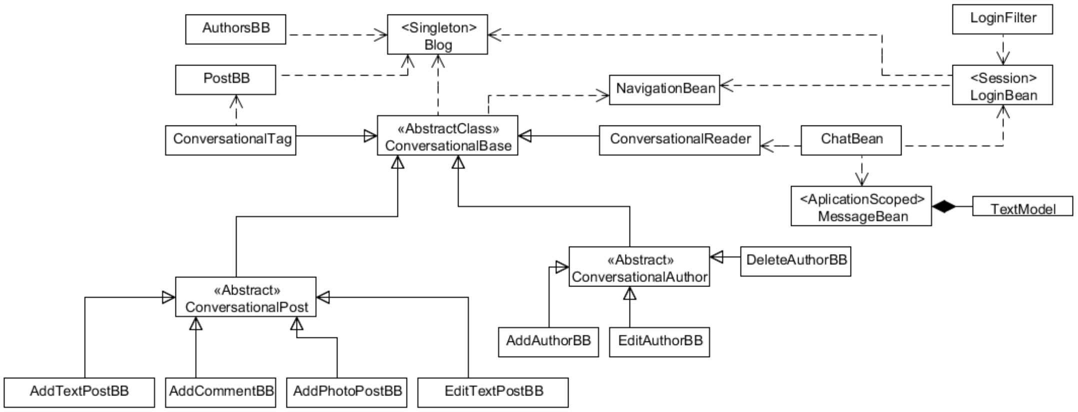
The object oriented model

Class diagram for Back end



In the back end we use interfaces to make the front end independent of the back end, so it is easy to redeploy. The interfaces IAuthorRegestry and IPostArchive make it easy to change the most important parts in the blog, as long as they implement the interfaces.

Class diagram of the front end:



The front end is connected to the database using the Singleton class Blog. We use abstract class ConversationalBase to temporarily store values and execute methods. MessageBean is ApplicationScoped to be able to share data among all users.

Classes central to understand the application

Back end

- Blog
  - The main purpose of Blog is to create a Post Archive and Author Registry and deliver them to classes that wants to use it.
- AuthorRegistry
  - The main purpose is to add, update and remove users from the database.
- PostArchive
  - The main purpose is to add, and delete posts, but also create initialize the CommentArchive and the TagArchive. The PostArchive is also responsible for adding and linking the tags and comments to a post in the database correctly.

Front end

- Blog
  - The main purpose of the front end Blog is to be responsible for the connection to the Back end.
- ConversationalBase
  - The main purpose is hold the instance of the blog and the navigation bean for the classes using extending this abstract class.
- MessageBean
  - MessageBean makes it possible to simultaneously share and update a list of chat messages between clients who uses the blog chat.