

# Group nr 7

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## Overview

This application is a forum that is supposed to be used by private individuals for their own amusement. In this blog users can write their own posts and read or comment on other users post. All users will have their own profile. We do not employ the usage of admins or mods, only users. Being logged in is the only way to write or comment posts. However it is possible to read the posts and comments even if you are not logged in. The users on this webpage can also interact with each other by the message function once they have added each other as friends.

## Use cases:

**Register:** Registration requires that the user enter username, mail address and password. It also requires that you accept our terms and conditions.

**Login:** Once a user is registered he/she can login by entering his/her username and password.

**Post:** Users(after logged in) can make a new post by clicking “New post” at the top of the page.

**Post stream:** To read other users posts the user can click “Post stream” at the top of the page.

**Comment:** Users(after logged in) can read the comments of a post and make a new comment by clicking on the post.

**Profile:** Users can watch his/her own profile by clicking “Profile” at the top of the page.

**Edit profile:** Users can edit first name, last name, password etc by clicking “edit profile” after entering their profile.

**Users:** To see the other users on 7chan, a user can click “Users” on the top of the page.

**Add friend:** Users are able to add other users as a friend, after entering “Users”, by clicking “Add friend”.

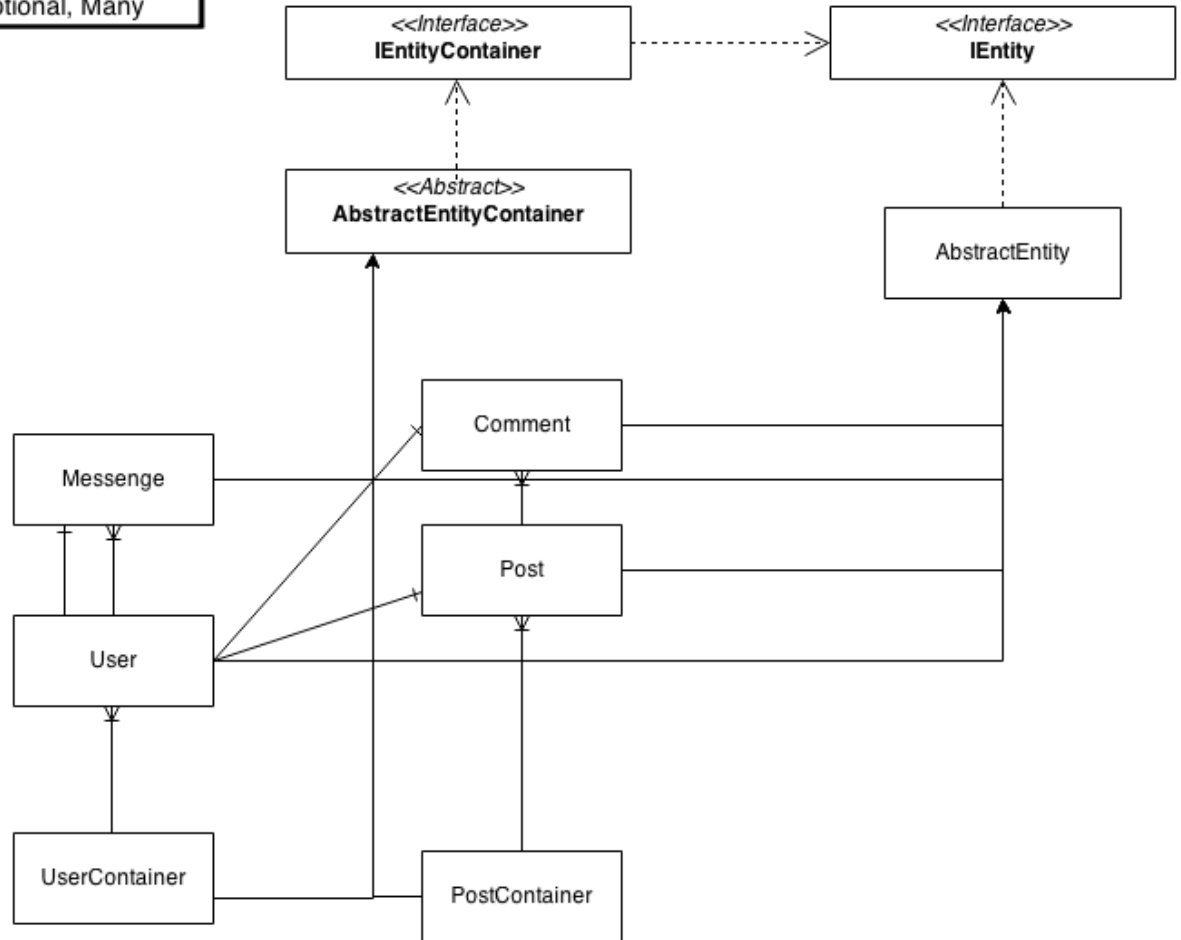
**Message:** Users can send personal messages to each other, after they have added the user as a friend, by clicking on the “Send message” button on the “Users”/“Friends” page..

**Search posts:** It is possible to search for certain topics among the posts, by using the search button on the “Post stream”-page.

**Search users:** It is possible to search for certain users on the “Users”-page. It is only possible to search by “User name”.

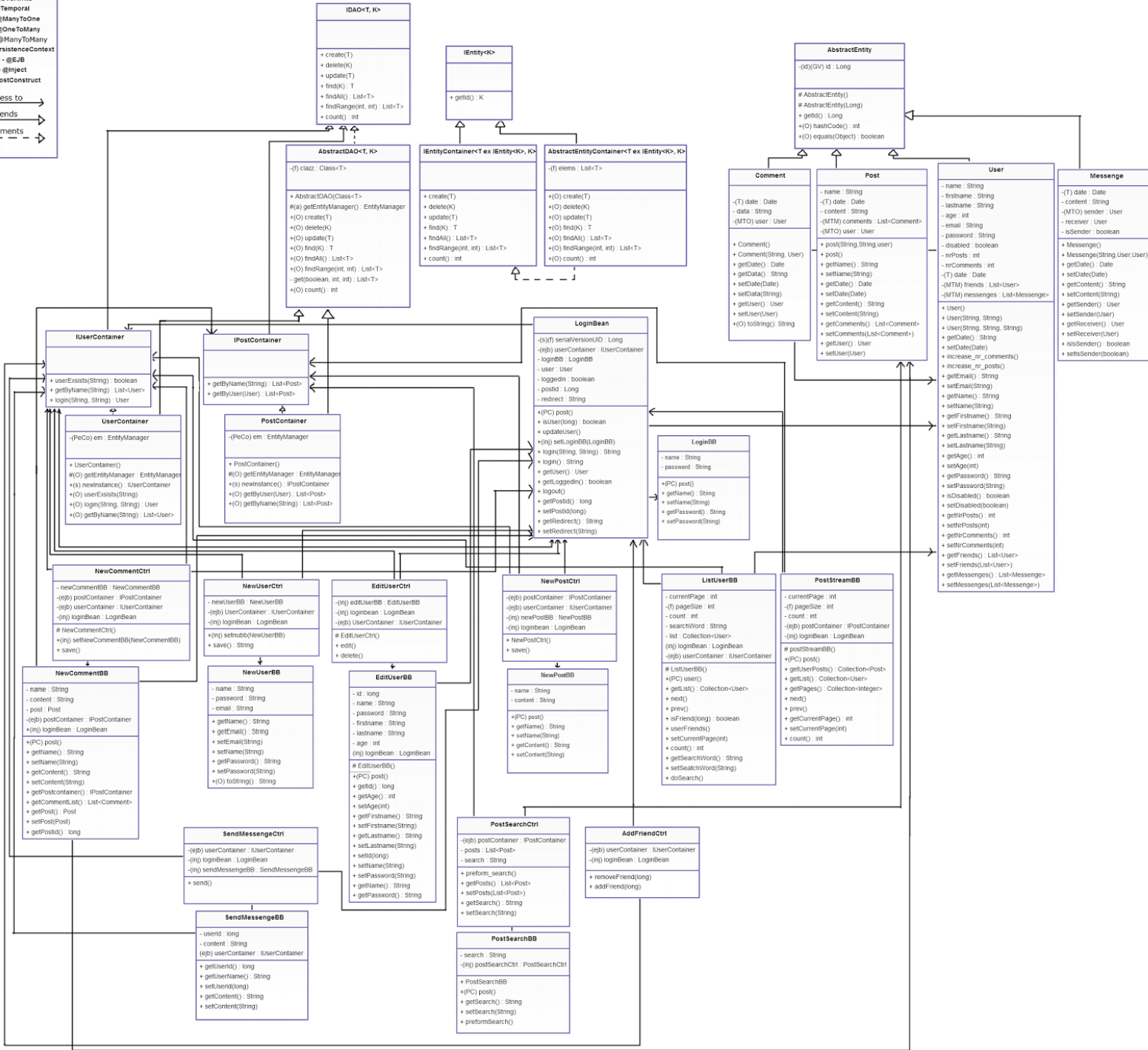
UML-class diagram:

ERD Bachman's Notation	
—has/forms—	Relationship
=====	Cardinality (One)
=====	Cardinality (Many)
=====	Mandatory, One
=====	Mandatory, Many
=====	Optional, One
=====	Optional, Many



# UML - 7CHAN

BY: GROUP 7 - DANIEL, KEVIN, RICHARD & SANNA



## Approach

Component based.

## Physical setup(tiers)

Web browser

JSF facelets

Java application

BB-beans

controller beans

ORM

Database

## Participating software components

Easy criteria: responsible for database requests etc.

Java Persistence API, JPA 2.x: middleware for mappings between application and database.

JavaDB(Derby): this is our database.

## The modules

Goup7.view: contains the backing beans. These are responsible for holding data for different entities.

Group7.core: contains our entity classes, the containers which hold the entities and the backend logic.

Group7.ctrl: control beans responsible for business logic.

Group7.util: static classes that handles large tasks that is used repeatedly for example hashing strings.

Group7.core (test): contains the test file for the project.

## **Layered view**