A **User**’s id must be between 3 to 20 characters, unique, and cannot be optional. A **User**’s password must be between 6 to 8 characters, non-empty, and cannot be the same as the **User**’s id. A **User** hasOne **Profile**,and it can be optional. A **User** can create many **Posts** and each **Post** belongs to only one **User**. A **User** can follow other **Users**.

A **Profile**’s only requirements are that it must have a fullName and an email. If a bio is supplied, the maxSize is 1000 characters long and if a photo is supplied, the maxSize is 2 MB.

A **Post** can never have content that is empty. **Posts** should be sorted in a descending order based on the dateCreated and they should also be sorted in a descending order when accessing **Posts** via the **User**. A **Post** has many **Tags**, and each **Tag** may relate to many **Posts**. As a result, a **User** creates many **Tags** and each **Tag** relates to one **User**.

Write an error validation message in the *message.properties* file.

Add some sample data to *BootStrap.groovy*

Implement search for **Users.** 🡪 Fill in the missing gsp tags for *search.gsp* and add search logic to *UserController* and create the page that displays results

Make an advanced search for **Users** using criteria queries

Add a timeline to **Posts** that gives users the ability to see all the **Posts** corresponding to that specific **User** and allow users to create a **Post**.

Add a homepage redirect when there is no default **User** supplied

Create a PostService and link it to PostController. Update PostControllerTest accordingly through the use of mocking

Implement the logic behind User Registration and fill in the GSP tags, do it with command object too?