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