Ziel: «User» und «UserService» erstellen

Interface «User»

```java
public interface User {

    /** @return the id or null if not yet implemented */
    public Long getId();

    /** @return the user name */
    public String getUserName();

    /** @return the users roles */
    public Set<String> getRoleNames();

    /** @return true if password valid, false otherwise */
    public Boolean verifyPassword(String password);

    /** @param the role names */
    public void setRoleNames(String[] roleNames);

    /** @param the new pasword */
    public String getPassword();

    /** @param the role names */
    public String getPassword();

}
```

Interface «UserService»

```java
public interface UserService {

    public User getUserById(long id);

    public User getUserByName(String name);

    public List<User> getAllUsers();

    public User createUser(String name, String password, String... roleNames);

    public void deleteUser(long id);

    public User updateRoles(long id, String... roleNames);

    public boolean updatePassword(long id, String oldPassword, String newPassword);

}
```