```
// joi/10/juno/User.java
//
//
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/**
 * Model a juno user.  Each User has a login name, password,
 * a home directory, and a real name.
 * name.
 *
 * @version 10
 */

public class User
    implements java.io.Serializable
{
    private String name;     // the User's login name
    private String password; // The user's login password.
    private Directory home;  // her home Directory
    private String realName; // her real name

    /**
     * Construct a new User.
     *
     * @param name      the User's login name.
     * @param password  the user's login password.
     * @param home      her home Directory.
     * @param realName  her real name.
     */

    public User( String name, String password,
                 Directory home, String realName )
    {
        this.name     = name;
        this.password = password;
        this.home     = home;
        this.realName = realName;
    }

    /**
     *   Confirm password. Throw a JunoException on failure.
     *
     *   @param guess the string to test against the password.
     *
     *   @exception JunoException
     *      if password fails to match
     */

    public void matchPassword( String guess ) throws JunoException
    {
        if (!guess.equals( password )) {
            throw new JunoException( "bad password" );
        }
    }

    /**
```



```
     * Get the User's login name.
     *
     * @return the name.
     */

    public String getName()
    {
        return name;
    }

    /**
     * Convert the User to a String.
     * The String representation for a User is her
     * login name.
     *
     * @return the User's name.
     */

    public String toString()
    {
        return getName();
    }

    /**
     * Get the User's home Directory.
     *
     * @return the home Directory.
     */

    public Directory getHome()
    {
        return home;
    }

    /**
     * Get the user's real name.
     *
     * @return the real name.
     */

    public String getRealName()
    {
        return realName;
    }
}
```