

```
package app.entities;

import java.util.ArrayList;
import java.util.List;

import org.springframework.security.core.GrantedAuthority;
import org.springframework.security.core.authority.SimpleGrantedAuthority;
import org.springframework.security.core.userdetails.User;
import org.springframework.security.core.userdetails.UserDetails;

import jakarta.persistence.CollectionTable;
import jakarta.persistence.Column;
import jakarta.persistence.ElementCollection;
import jakarta.persistence.Entity;
import jakarta.persistence.FetchType;
import jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id;
import jakarta.persistence.JoinColumn;
import jakarta.persistence.Table;

@Entity
@Table(name = "useraccounts")
public class UserAccount {
    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private Long id;
    @Column(length = 10)
    private String username;
    @Column(length = 10)
    private String password;

    @ElementCollection(fetch = FetchType.EAGER)
    @CollectionTable(name = "user_roles" ,
        joinColumns = @JoinColumn(name = "userid"))
    private List<GrantedAuthority> authorities = new ArrayList<>();

    public UserAccount() {
        super();
    }

    public UserAccount(String username, String password, String...authorities) {
        this.username = username;
        this.password = password;
        // Add authorities
        for (var a : authorities)
            this.authorities.add( new SimpleGrantedAuthority(a));
    }

    public UserDetails asUser() {
        return User.withDefaultPasswordEncoder().username(username).password(password).authorities(authorities).build();
    }
}
```