Spring security gives you:

1. Login page
2. Logout page
3. Error page

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1. Authentication- who you are?

* Knowledge based—username, and passwords.
* Possession based—Otp, key cards.
* Multi-factor—combines both

1. Authorization—what the authenticated user can do.
2. Principal—it remembers your currently logged in user.
3. Granted Authority—Store manager- view the store financials, generate bills

Store clerk-- generate bills

1. Roles—Role\_Manager- view the store financials, generate bills

SPRING SECURITY WITH JPA INTEGRATION:

1. UserDetails(7 methods)
2. UserDetailsService(1 method)

STEPS to integrate with the DB:

1. Create a entity class.  
   String username, String password , String roles;
2. Create a dao layer, and write a method to findByUsername(String username)
3. Create a class which implements UserDetails
4. Create a class which implements UserDetailsService.
5. In the securityConfig class, autowire the UserDetailsService and in the configure(AuthenticationManagerBuilder auth) method call a method userDetailsService(\*\*ref of the autowired UserDetailsService)
6. Set the authorization