

# Dependencies

Resource Server

```

<dependency>
<groupId>org.springframework.boot</groupId>
  <artifactId>spring-boot-starter</artifactId>
</dependency>

<dependency>
<groupId>org.springframework.boot</groupId>
  <artifactId>spring-boot-starter</artifactId>
</dependency>

<dependency>
<groupId>org.springframework.boot</groupId>
<artifactId>spring-boot-starter-oauth2-client</artifactId>
</dependency>

<dependency>
<groupId>org.springframework.boot</groupId>
<artifactId>spring-boot-starter-thymeleaf</artifactId>
</dependency>

<dependency>
<groupId>org.springframework.boot</groupId>
<artifactId>spring-boot-starter-web</artifactId>
</dependency>

<dependency>
<groupId>org.thymeleaf.extras</groupId>
<artifactId>thymeleaf-extras-springsecurity5</artifactId>
</dependency>

```

## Authentication Server

```
<dependency>
<groupId>org.springframework.boot</groupId>
<artifactId>spring-boot-starter</artifactId>
</dependency>

<dependency>
<groupId>org.springframework.cloud</groupId>
<artifactId>spring-cloud-starter-
oauth2</artifactId>
<version>2.2.4.RELEASE</version>
</dependency>

<dependency>
<groupId>org.springframework.boot</groupId>
<artifactId>spring-boot-starter-web</artifactId>
</dependency>
```

# Dependencies

## Resource Server

### WebController.java

- Create a controller for human interaction
- Create 2 endpoints for the webpages

### CompanyController.java

- Create a controller for API
- Create 1 endpoint for the API

### SecurityConfiguration.java

- Configure the securityHttp
- Call the login of the Oauth 2

### ResourceLoginApplication.java

- Initialize the application

Others files \*.html  
and files related  
with the API

application.  
yml

## Authentication Server

### AuthServerConfig.java

- Communication of the token to the resource server
- Creation of the token
  - Save ClientID and ClientSecret

### UserController.java

- Returns the Principal

### SecurityConfiguration.java

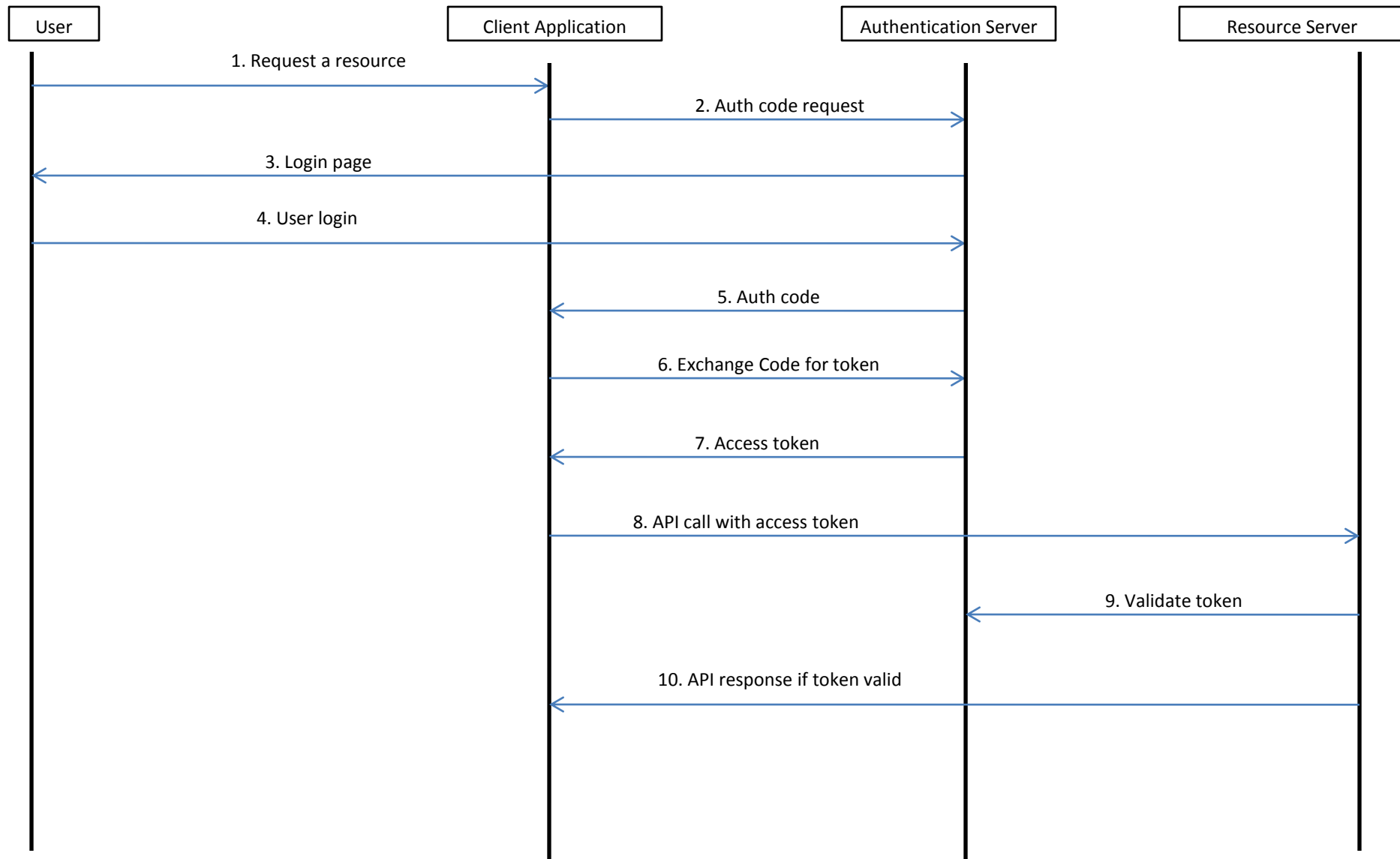
- Configure the securityHttp
- Authentication of users
- Creation of the encoder of the password

### AuthenticationLoginApplication.java

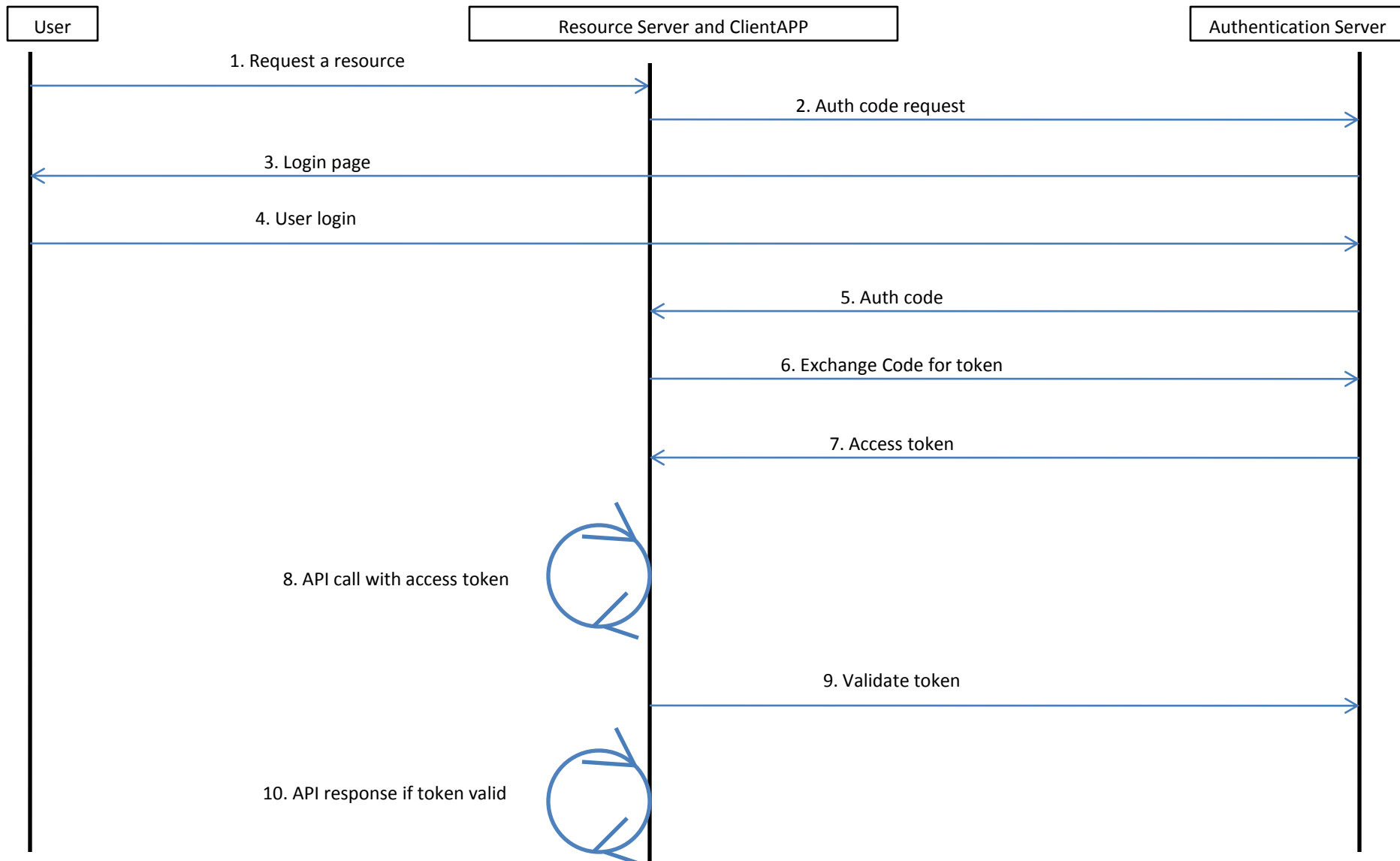
- Initialize the application

application.  
properties

# Interaction Resource – Authentication normal



# Interaction Resource - Authentication



# Interaction Resource - Authentication

localhost:8082

**Spring Security SSO**

Login

Companies

localhost:8081/auth/login

Please sign in

Sign in

Login click

Companies click

localhost:8082/secured/company

```
[
  - {
    id: 1,
    name: "COCACOLA",
    - departments: [
      - {
        id: 1,
        name: "SALES"
      },
      - {
        id: 2,
        name: "MARKETING"
      }
    ],
    - cars: [
      - {
        id: 1,
        registrationNumber: "asdqwe123"
      },
      - {
        id: 2,
        registrationNumber: "123 vdfg"
      }
    ]
  },
  - {
    id: 2,
    name: "SANTANDER",
    - departments: [
      - {
        id: 3,
        name: "SALES"
      },
      - {
        id: 4,
        name: "MARKETING"
      }
    ]
  },
],
```

localhost:8082/securedPage

**Secured Page**

**You have accessed a secured page**

Santander