Spring Security with JWT

Infinite Diversity Arising from Unity
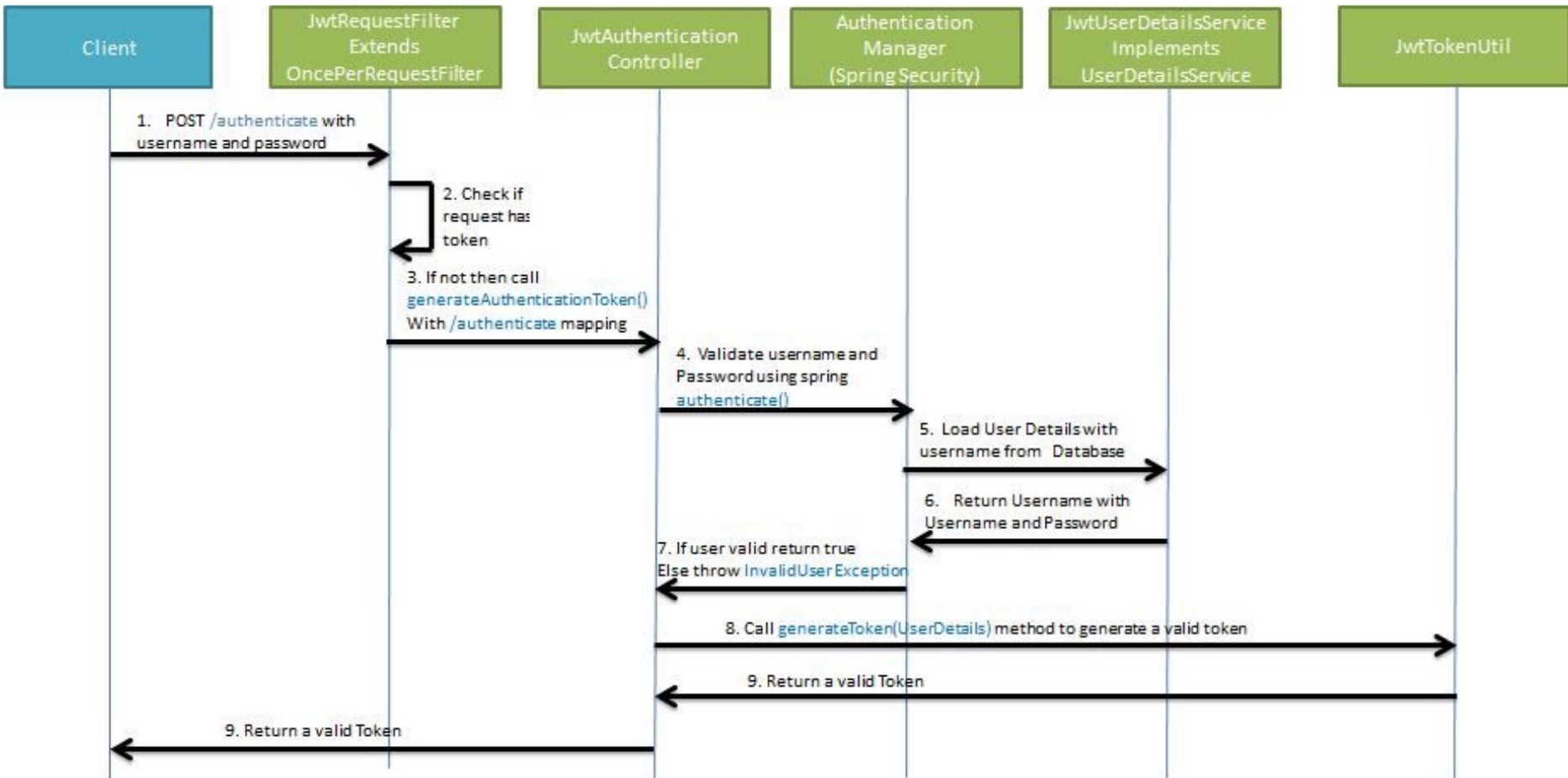
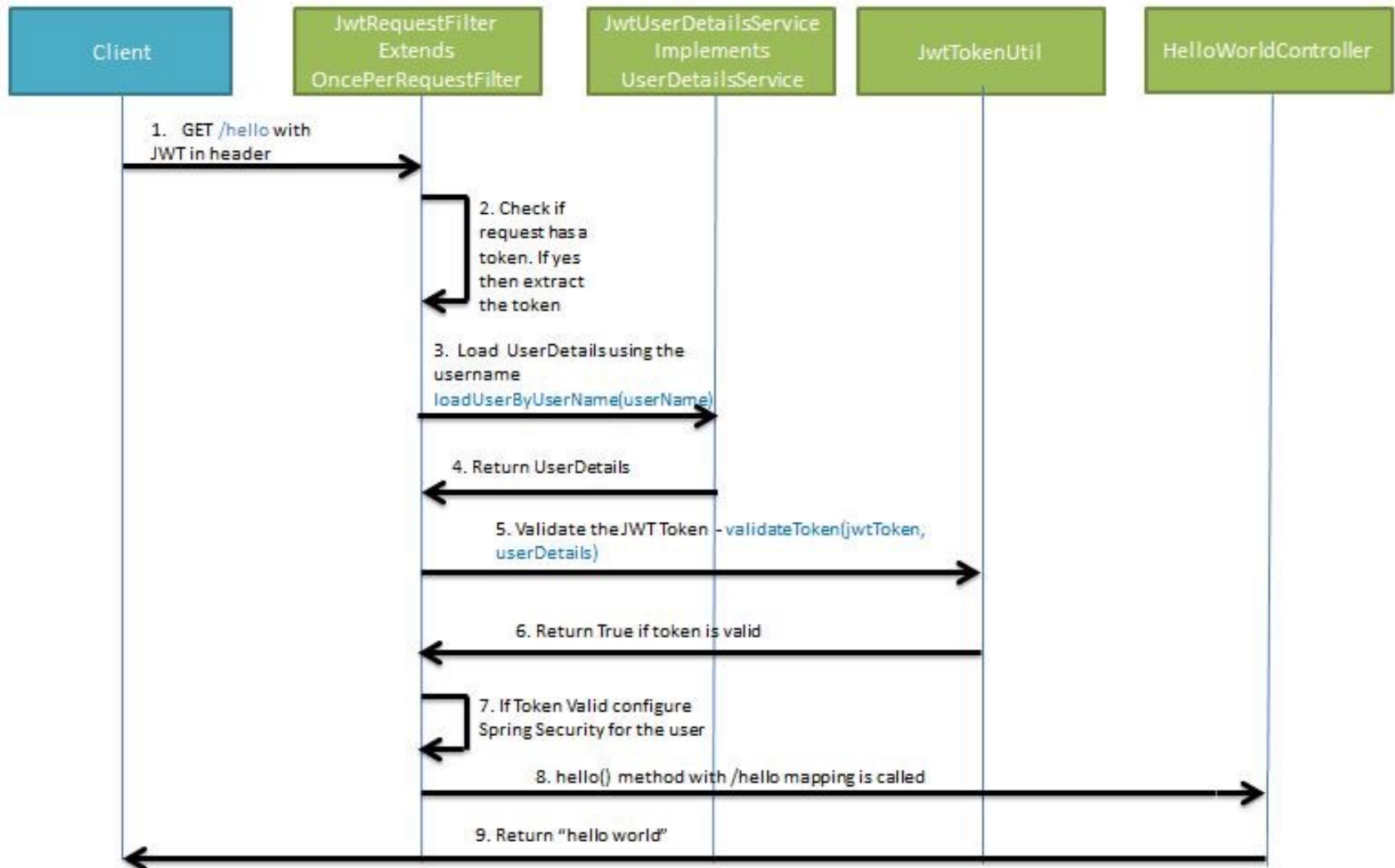**BROWSER**

SERVER

1 POST / users / login with username and password

2 Creates a JWT with a secret

3 Returns the JWT to the Browser

4 Sends the JWT on the Authorization Header

5 Check JWT signature. Get user information from the JWT

6 Sends response to the client
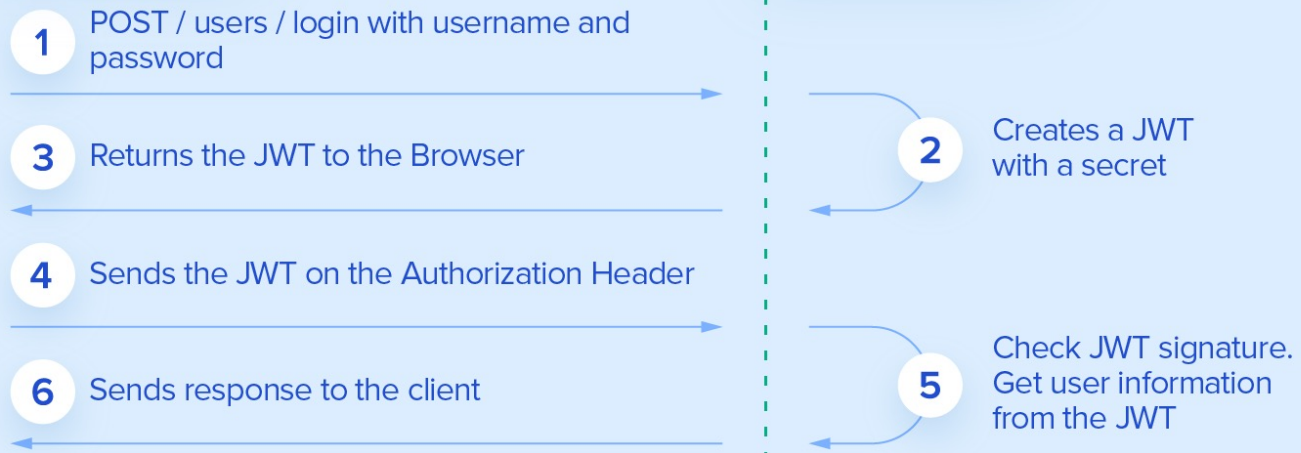
Sequence flow of generating a JWT

Validating JWT

JwtTokenUtil

▶ The JwtTokenUtil is responsible for performing JWT operations like creation and validation.

▶ It makes use of the io.jsonwebtoken.Jwts for achieving this.

▶ See uitl.JwtUtil class

Make an authenticate API endpoint

▶ Accepts user ID and password

▶ Returns JWT as a response

▶ Permit all calls to the endpoint /authenticate

▶ See controller.AuthController

Intercept all incoming requests

▶ Extract JWT from header

▶ Validate and set execution context

▶ This will request will intercept every request just once then examine the header

▶ See filter.JwtFilter