A) Projet java  
  
https://github.com/szerhusenBC/jwt-spring-security-demo  
  
avant apparition de la page d'accueil  
 couche java => classe WebSecurityConfig, méthode configure(HttpSecurity httpSecurity)   
 , méthode configure(WebSecurity web)  
 valeur de la variable authenticationPath="/auth" avec serveur Apache qui tourne  
lancement de la page d'accueil   
 classe JwtAuthorizationTokenFilter, méthode protected void doFilterInternal  
 messages: couldn't find bearer string, will ignore the header  
 checking authentication for user 'null'  
 processing authentication for 'http://localhost:8080/js/libs/jwt-decode.min.js'  
 processing authentication for 'http://localhost:8080/js/client.js'  
 couldn't find bearer string, will ignore the header  
   
 classe JwtAuthorizationTokenFilter, méthode protected void doFilterInternal  
 messages: checking authentication for user 'null'   
 couldn't find bearer string, will ignore the header  
 checking authentication for user 'null'   
 HikariPool-1 - Thread starvation or clock leap detected (housekeeper delta=1m907ms781µs722ns).  
 processing authentication for 'http://localhost:8080/favicon.ico'  
 classe JwtAuthorizationTokenFilter, méthode protected void doFilterInternal  
 couldn't find bearer string, will ignore the header  
 checking authentication for user 'null'  
 HikariPool-1 - Thread starvation or clock leap detected (housekeeper delta=1m21s372ms888µs540ns).  
   
après apparition de la page d'accueil et clic sur le bouton Login  
 couche javascript => doLogin(loginData) {loginData = {username: "user", password: "password"}  
 couche java => classe JwtAuthorizationTokenFilter, méthode protected void doFilterInternal  
 messsages : processing authentication for 'http://localhost:8080/auth'   
 HikariPool-1 - Thread starvation or clock leap detected (housekeeper delta=47s204ms333µs389ns).  
 couldn't find bearer string, will ignore the header  
 checking authentication for user 'null'  
   
 classe AuthenticationRestController, méthode createAuthenticationToken , URL /auth  
 authenticate µµµµµ   
 couche javascript => success: de doLogin(loginData) data = {token: "eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJ1c2VyIiwiZXhwIjoxN…RaBIM-iabSrSU6xV\_MkiiWuVj4\_KoCA03znqvEv7EwmEla6MA"}, textStatus = "success"  
 showUserInformation() , URL /user  
 couche java => classe JwtAuthorizationTokenFilter, méthode protected void doFilterInternal  
 UserRestController getAuthenticatedUser , URL /user  
 couche javascript => success: de showUserInformation() data = {username: "user", firstname: "user", lastname: "user", email: "enabled@user.com", authorities: Array(1), …}, textStatus = "success",