### com.sterlite.cal.core.base.util. **JsonUtils**

- + String getJsonFromObject (Object data)
- ~ public< T > T getObjectFrom Json(String jsonData, Class < T > beanType)
- public < T > T getObjectFrom Json(String jsonData, JavaType javaType)
- public< T > T getObjectFrom Json(String jsonData, TypeReference < T > typeReference)
- public< T > T convertValue Object from Value, TypeReference < T > typeReference)

# ~jsonUtils com.sterlite.cal.core.base.controller. Environment BaseController # final void setReferenceIdentifier (String referenceIdentifier) ~jsonUtils

# com.sterlite.cal.base.BaseTest

- + BaseTest()
- + Response doPost(String uri, String request, Map< String, String > headers)
- + Response doPatch(String uri, String request, Map< String, String > headers)
- + static String getProperty ValueFromMap(String key)
- + static void putPropertyInto Map(String key, String value)
- + static Map< String, String > getPropertyHolder Map()

# com.sterlite.cal.core.security.controller. AuthenticationController

- + CALAuthenticationResponse getAuthToken(@RequestBody String requestJson)
- + ResponseEntity unAutherized Response(HttpServletResponse response)
- CalBaseResponse getAuth (@RequestBody String jsonData)

## com.sterlite.cal.core.security.service. **IAuthenticationService**

- + CALAuthenticationResponse getBRMAuthToken(CALAuthentication Request calAuthenticationRequest)
- + CALAuthenticationResponse getKeycloakAuthToken(CALAuthentication Request calAuthenticationRequest)

~authenticationService

CalBaseResponse getAuthentication (CALAuthenticationRequest user)

## com.sterlite.cal.core.base.valueobject. CalBaseRequest

- String getStaffId()
- void setStaffId(String staffId)
- String getStaffName()
- void setStaffName(String staffName)
- String getRemarks()
- void setRemarks(String remarks)
- String getSource() void setSource(String source)
- String getReferenceId()
- void setReferenceId (String referenceId)
- String getIpAddress()
- void setIpAddress(String ipAddress)
- String toString()

# com.sterlite.cal.core.security.valueobject. CALAuthenticationRequest

- String getUsername()
- void setUsername(String username)
- String getPassword()
- void setPassword(String password)
- String getUserType()
- void setUserType(String userType)
- String getClientId()
- void setClientId(String clientId)
- String getSecretKey()

~calAuthenticationRequest

- void setSecretKey(String secretKey)
- BRMAuthenticationRequest toBRMAuthenticationRequest()

response

### com.sterlite.cal.core.base.valueobject. CalBaseResponse< T >

- + CalBaseResponse()
- + CalBaseResponse(String responseCode, String responseMessage, T responseObject)
- + String getReferenceId()
- + void setReferenceId (String referenceId)
- + String getResponseCode()
- + void setResponseCode (String responseCode)
- + String getResponseMessage()
- + void setResponseMessage (String responseMessage)
- + T getResponseObject()
- + void setResponseObject (T responseObject)
- + String toString()

com.sterlite.cal.core.security.valueobject. CALAuthenticationResponse

com.sterlite.cal.core.security.controller. **AuthenticationControllerTest** 

-authenticationController

- + void test01GetAuthTokenTest()
- + void test02UnAutherizedResponse