**Getting Started with Auth Controller**

Update Auth Controller

@RestController

public class AuthController {

    private final AuthenticationManager authenticationManager;

    private final TokenService tokenService;

    public AuthController(TokenService tokenService, AuthenticationManager authenticationManager) {

        this.tokenService = tokenService;

        this.authenticationManager = authenticationManager;

    }

    @PostMapping("/token")

    @ResponseBody

    public Token token(@RequestBody UserLogin userLogin) throws AuthenticationException {

        Authentication authentication = authenticationManager

                .authenticate(new UsernamePasswordAuthenticationToken(userLogin.email(), userLogin.password()));

        return new Token(tokenService.generateToken(authentication));

    }

}

To

package org.studyeasy.SpringRestdemo.controller;

import org.springframework.security.authentication.UsernamePasswordAuthenticationToken;

import org.springframework.http.HttpStatus;

import org.springframework.http.ResponseEntity;

import org.springframework.security.authentication.AuthenticationManager;

import org.springframework.security.core.Authentication;

import org.springframework.security.core.AuthenticationException;

import org.springframework.web.bind.annotation.PostMapping;

import org.springframework.web.bind.annotation.RequestBody;

import org.springframework.web.bind.annotation.RequestMapping;

import org.springframework.web.bind.annotation.ResponseBody;

import org.springframework.web.bind.annotation.ResponseStatus;

import org.springframework.web.bind.annotation.RestController;

import org.studyeasy.SpringRestdemo.payload.auth.Token;

import org.studyeasy.SpringRestdemo.payload.auth.UserLogin;

import org.studyeasy.SpringRestdemo.service.TokenService;

import io.swagger.v3.oas.annotations.tags.Tag;

import lombok.extern.slf4j.Slf4j;

@RestController

@RequestMapping("/auth")

@Tag(name= "Auth Controller", description="Controller for Account management")

@Slf4j

public class AuthController {

    private final AuthenticationManager authenticationManager;

    private final TokenService tokenService;

    public AuthController(TokenService tokenService, AuthenticationManager authenticationManager) {

        this.tokenService = tokenService;

        this.authenticationManager = authenticationManager;

    }

    @PostMapping("/token")

    @ResponseStatus(HttpStatus.OK)

    public ResponseEntity<Token> token(@RequestBody UserLogin userLogin) throws AuthenticationException {

        try{

            Authentication authentication = authenticationManager

            .authenticate(new UsernamePasswordAuthenticationToken(userLogin.email(), userLogin.password()));

            return ResponseEntity.ok(new Token(tokenService.generateToken(authentication)));

        }catch(Exception e){

            log.debug("null");

            return new ResponseEntity<>(new Token(null), HttpStatus.BAD\_REQUEST);

        }

    }

}

Create a new folder -> util -> Create a new folder -> constants -> Create 2 enums files

AccountSuccess.java

package org.studyeasy.SpringRestdemo.util.constants;

public enum AccountSuccess {

    ACCOUNT\_ADDED

}

AccountError.java

package org.studyeasy.SpringRestdemo.util.constants;

public enum AccountError {

TOKEN\_GENERATION\_ERROR,

    ADD\_ACCOUNT\_ERROR

}

Update this line AuthController below line

log.debug("null");

to

log.debug(AccountError.TOKEN\_GENERATION\_ERROR.toString() + ": " + e.getMessage());

Add this in application.properties

# Logging setting

logging.level.org.studyeasy=DEBUG

logging.pattern.console=%d [%level] %c{1.} [%t] %m%n

logging.file.name = appLog.log

logging.pattern.file=%d [%level] %c{1.} [%t] %m%n

Rename the file Token.java to TokenDTO.java and DTO means Data Transfer Object

Rename the file UserToken.java to UserToken DTO.java and DTO means Data Transfer Object

Make below line in WebSecurityConfig.java

 .requestMatchers("/\*\*").permitAll()

Output



