**Daftar Lampiran**

**Lampiran *Source code***

1. **Pom.xml**

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4\_0\_0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.ivans.antrian</groupId>

<artifactId>aplikasi-sistem-antrian</artifactId>

<packaging>jar</packaging>

<version>1.0-SNAPSHOT</version>

<name>aplikasi-sistem-antrian</name>

<url>http://maven.apache.org</url>

<parent>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-parent</artifactId>

<version>1.2.8.RELEASE</version>

</parent>

<dependencies>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-web</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-data-jpa</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-tomcat</artifactId>

<scope>provided</scope>

</dependency>

<dependency>

<groupId>commons-lang</groupId>

<artifactId>commons-lang</artifactId>

<version>2.6</version>

</dependency>

<dependency>

<groupId>commons-validator</groupId>

<artifactId>commons-validator</artifactId>

<version>1.4.0</version>

</dependency>

<dependency>

<groupId>org.threeten</groupId>

<artifactId>threetenbp</artifactId>

<version>1.3</version>

</dependency>

<dependency>

<groupId>org.springframework.security</groupId>

<artifactId>spring-security-jwt</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.security.oauth</groupId>

<artifactId>spring-security-oauth2</artifactId>

<version>2.0.7.RELEASE</version>

</dependency>

<dependency>

<groupId>org.springframework.cloud</groupId>

<artifactId>spring-cloud-starter-security</artifactId>

<version>1.0.0.RELEASE</version>

</dependency>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<scope>test</scope>

</dependency>

<dependency>

<groupId>mysql</groupId>

<artifactId>mysql-connector-java</artifactId>

</dependency>

<dependency>

<groupId>org.hibernate</groupId>

<artifactId>hibernate-validator</artifactId>

</dependency>

<dependency>

<groupId>org.flywaydb</groupId>

<artifactId>flyway-core</artifactId>

</dependency>

<dependency>

<groupId>commons-io</groupId>

<artifactId>commons-io</artifactId>

<version>2.4</version>

</dependency>

</dependencies>

</project>

1. **App.java**

package com.ivans.antrian;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.EnableAutoConfiguration;

import org.springframework.boot.autoconfigure.SpringBootApplication;

import org.springframework.boot.builder.SpringApplicationBuilder;

import org.springframework.boot.context.web.SpringBootServletInitializer;

import org.springframework.cloud.security.oauth2.resource.EnableOAuth2Resource;

import org.springframework.context.annotation.Bean;

import org.springframework.security.crypto.bcrypt.BCryptPasswordEncoder;

import org.springframework.security.crypto.password.PasswordEncoder;

/\*\*

\* Ivans

\*

\*/

@SpringBootApplication

@EnableAutoConfiguration

@EnableOAuth2Resource

public class App extends SpringBootServletInitializer {

private static final Logger LOGGER = LoggerFactory.getLogger(App.class);

public static void main(String[] args) {

SpringApplication.run(App.class, args);

}

@Override

protected SpringApplicationBuilder configure(SpringApplicationBuilder application) {

return application.sources(App.class);

}

@Bean

public PasswordEncoder passwordEncoder() {

return new BCryptPasswordEncoder(13);

}

}

1. **SecurityConfig.java**

/\*

\* To change this license header, choose License Headers in Project Properties.

\* To change this template file, choose Tools | Templates

\* and open the template in the editor.

\*/

package com.ivans.antrian.config;

import javax.sql.DataSource;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.context.annotation.Configuration;

import org.springframework.security.config.annotation.method.configuration.EnableGlobalMethodSecurity;

import org.springframework.security.config.annotation.web.builders.HttpSecurity;

import org.springframework.security.oauth2.config.annotation.web.configuration.EnableResourceServer;

import org.springframework.security.oauth2.config.annotation.web.configuration.ResourceServerConfigurerAdapter;

import org.springframework.security.oauth2.config.annotation.web.configurers.ResourceServerSecurityConfigurer;

import org.springframework.security.oauth2.provider.token.store.JdbcTokenStore;

/\*\*

\*

\* @author ivans

\*/

@Configuration

@EnableGlobalMethodSecurity(prePostEnabled = true)

@EnableResourceServer

public class SecurityConfig extends ResourceServerConfigurerAdapter {

private static final String SERVER\_RESOURCE\_ID = "antrian-server";

@Autowired

private DataSource dataSource;

@Override

public void configure(ResourceServerSecurityConfigurer resources) {

resources

.resourceId(SERVER\_RESOURCE\_ID)

.tokenStore(new JdbcTokenStore(dataSource));

}

@Override

public void configure(HttpSecurity http) throws Exception {

http.authorizeRequests()

.antMatchers("/api/sound/\*\*").permitAll()

//Management

.antMatchers("/api/system/\*\*").hasRole("SYSTEM")

.antMatchers("/api/master/\*\*").hasRole("MASTER")

//Loket

.antMatchers("/api/loket/\*\*").hasRole("LOKET")

//Laporan

.antMatchers("/api/report/\*\*").hasRole("REPORT")

//Generate

.antMatchers("/api/generate/\*\*").hasRole("GENERATE")

.antMatchers("/api/pendaftaran/\*\*").hasRole("PENDAFTARAN")

.antMatchers("/api/check/bod").hasRole("PENDAFTARAN")

.antMatchers("/api/screen/tv/\*\*").hasRole("SCREEN\_TV")

.antMatchers("/api/user/\*\*").hasRole("USER\_LOGGED\_IN")

.anyRequest().authenticated();

}

}

1. **PendaftaranController.java**

/\*

\* To change this license header, choose License Headers in Project Properties.

\* To change this template file, choose Tools | Templates

\* and open the template in the editor.

\*/

package com.ivans.antrian.controller;

import com.ivans.antrian.domain.Antrian;

import com.ivans.antrian.domain.AntrianCreate;

import com.ivans.antrian.domain.AntrianPrint;

import com.ivans.antrian.domain.BodProcess;

import com.ivans.antrian.domain.KategoriAntrian;

import com.ivans.antrian.domain.Kuota;

import com.ivans.antrian.domain.Poli;

import com.ivans.antrian.exception.AntrianServerException;

import com.ivans.antrian.helper.DateHelper;

import com.ivans.antrian.service.AntrianDao;

import com.ivans.antrian.service.BodDao;

import com.ivans.antrian.service.KategoriAntrianDao;

import com.ivans.antrian.service.KuotaDao;

import com.ivans.antrian.service.PoliDao;

import com.ivans.antrian.service.RunningNumberService;

import java.util.Date;

import java.util.HashMap;

import java.util.List;

import java.util.Map;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.util.StringUtils;

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

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

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

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

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

/\*\*

\*

\* @author ivans

\*/

@RestController

@RequestMapping("/api/pendaftaran")

public class PendaftaranContoller {

private final Logger LOGGER = LoggerFactory.getLogger(PendaftaranContoller.class);

@Autowired

private KategoriAntrianDao categoryDao;

@Autowired

private PoliDao poliDao;

@Autowired

private KuotaDao kuotaDao;

@Autowired

private BodDao bodDao;

@Autowired

private AntrianDao antrianDao;

@Autowired

private RunningNumberService runnService;

@RequestMapping(value = "/get/category", method = RequestMethod.GET)

public Iterable<KategoriAntrian> findAllCategory() {

return categoryDao.findAll();

}

@RequestMapping(value = "/get/poli", method = RequestMethod.GET)

public Iterable<Poli> findAllPoli() {

return poliDao.findAll();

}

@RequestMapping(value = "/get/dokter/{idPoli}", method = RequestMethod.GET)

public List<Kuota> findAllDokter(@PathVariable String idPoli) {

return kuotaDao.findByPoliIdAndKuotaDate(idPoli, new Date());

}

@RequestMapping(value = "/check/bod", method = RequestMethod.GET)

public Map checkBod() {

Map<String, Boolean> result = new HashMap<String, Boolean>();

BodProcess bod = bodDao.findByGenerateDate(new Date());

if (bod != null) {

result.put("isBod", Boolean.TRUE);

} else {

result.put("isBod", Boolean.FALSE);

}

return result;

}

@RequestMapping(value = "/create", method = RequestMethod.POST)

public AntrianPrint create(@RequestBody AntrianCreate param, HttpServletRequest request, HttpServletResponse response) {

Kuota kuota;

if (param.getCategoryCode().equals("F")) {

kuota = kuotaDao.findByCodeDokterAndKuotaDate("F", new Date());

} else {

kuota = kuotaDao.findOne(param.getIdKuota());

}

String tiketNumber = runnService.getNumberAndUpdate(new Date(), param.getCategoryCode());

if (!StringUtils.hasText(tiketNumber)) {

throw new AntrianServerException("Gagal Dalam Membuat Ticket Number");

}

String today = DateHelper.dateToString(new Date(), "yyyy-MM-dd");

Antrian antrian = new Antrian();

antrian.setDokter(kuota);

antrian.setNomorAntrian(tiketNumber);

antrian.setStatus(Boolean.FALSE);

antrian.setAntrianDate(today);

antrian.setTimestamp(new Date());

antrian.setJenisLoket(param.getCategoryCode());

antrian.setNomorPasien(param.getNomorPasien());

kuota.setCurrentKuota(kuota.getCurrentKuota() + 1);

antrianDao.save(antrian);

kuotaDao.save(kuota);

AntrianPrint result = new AntrianPrint();

result.setNomorAntrian(tiketNumber);

result.setName(kuota.getNamaDokter());

result.setDescription(kuota.getDescriptionDokter());

return result;

}

}

1. **MainController.js (Pendaftaran Antrian)**

'use strict';

/\*\*

\* @ngdoc function

\* @name antrianUiApp.controller:MainCtrl

\* @description

\* # MainCtrl

\* Controller of the antrianUiApp

\*/

angular.module('antrianUiApp')

.controller('MainCtrl', function ($scope, MainService) {

$scope.formStatus = "-";

$scope.listCategory = [];

$scope.listPoli = [];

$scope.listDokter = [];

$scope.currentAntrian = {};

$scope.codeCategory = null;

$scope.reloadData = function () {

MainService.findCategory().success(function (data) {

$scope.listCategory = data;

});

};

$scope.checkBod = function () {

MainService.checkBod().success(function (data) {

if (data.isBod) {

$scope.title = "Menu Pendaftaran";

$scope.formStatus = "SEARCH";

$scope.codeCategory = null;

$scope.reloadData();

} else {

$scope.title = "Generate Kuota Belum Dijalankan";

}

});

};

$scope.checkBod();

$scope.search = function () {

MainService.findByNomorPasien($scope.currentSearch).success(function (data) {

if (data) {

$scope.userSelect(data.noPasien);

}else{

$scope.currentSearch = null;

bootbox.alert("Nomor Belum Terdaftar");

}

});

};

$scope.savePasein = function () {

$scope.currentPasien.noPasien = null;

MainService.savePasien($scope.currentPasien).success(function (data) {

if (data) {

$scope.userSelect(data.noPasien);

}else{

$scope.currentSearch = null;

bootbox.alert("Pendaftaran gagal");

}

});

};

$scope.daftarBaru = function () {

$scope.title = "Menu Pendaftaran";

$scope.formStatus = "PENDAFTARAN";

};

$scope.userSelect = function (x) {

$scope.codePasien = x;

$scope.formStatus = "CATEGORY";

$scope.title = "Select Category";

$scope.codeCategory = null;

$scope.reloadData();

};

$scope.categorySelect = function (x) {

$scope.codeCategory = x;

if (x == "F") {

$scope.saveAntrian(x);

} else {

$scope.formStatus = "POLI";

$scope.title = "Select Poli";

$scope.getDataPoli();

}

};

$scope.getDataPoli = function () {

MainService.findPoli().success(function (data) {

$scope.listPoli = data;

});

};

$scope.getDataDokter = function (x) {

MainService.findDokterByIdPoli(x).success(function (data) {

$scope.listDokter = data;

});

};

$scope.poliSelect = function (id) {

$scope.formStatus = "DOKTER";

$scope.title = "Select Dokter";

$scope.getDataDokter(id);

};

$scope.back = function () {

if ($scope.formStatus == "DOKTER") {

$scope.categorySelect($scope.codePoli);

} else if ($scope.formStatus == "POLI") {

$scope.userSelect($scope.codePasien);

} else if ($scope.formStatus == "CATEGORY") {

$scope.checkBod();

} else if ($scope.formStatus == "PENDAFTARAN"){

$scope.checkBod();

}

};

$scope.saveAntrian = function (x) {

var param = {};

param.idKuota = x;

param.categoryCode = $scope.codeCategory;

param.nomorPasien = $scope.codePasien;

console.log(param);

MainService.save(param).success(function (data) {

$scope.print(data);

});

};

$scope.print = function (x) {

var popupWin = window.open('', 'printableArea');

popupWin.document.write(

'<html>'

+ '<head>'

+ '</head>'

+ '<body style="border:2px solid grey;width:400px;height:250px;padding-top:2em">'

+ '<p align="center">Rumah Sakit</p>'

+ '<p align="center">Dr. H. Marzoeki Mahdi</p>'

+ '<h1 style="text-align:center;color:blue">' + x.nomorAntrian + '</h1>'

+ '<p align="center">' + x.name + '<br />(' + x.description + ')</p>'

+ '<p align="center">Tiket Harap Disimpan</p>'

+ '</body>'

+ '</html>'

);

popupWin.document.close();

setTimeout(function () {

popupWin.print();

popupWin.close();

$scope.checkBod();

}, 100);

};

});

1. **Index.html**

<!doctype html>

<html>

<head>

<meta charset="utf-8">

<title>RSMM</title>

<meta name="description" content="">

<meta name="viewport" content="width=device-width">

<!-- Place favicon.ico and apple-touch-icon.png in the root directory -->

<!-- build:css(.) styles/vendor.css -->

<!-- bower:css -->

<link rel="stylesheet" href="bower\_components/bootswatch/cosmo/bootstrap.css" />

<link rel="stylesheet" href="bower\_components/angular-ui-select/dist/select.css" />

<link rel="stylesheet" href="bower\_components/angular-ui-grid/ui-grid.css" />

<!-- endbower -->

<!-- endbuild -->

<!-- build:css(.tmp) styles/main.css -->

<link rel="stylesheet" href="styles/main.css">

<!-- endbuild -->

</head>

<body ng-app="managementUiApp">

<!--[if lte IE 8]>

<p class="browsehappy">You are using an <strong>outdated</strong> browser. Please <a href="http://browsehappy.com/">upgrade your browser</a> to improve your experience.</p>

<![endif]-->

<!-- Add your site or application content here -->

<div class="header" ng-controller="NavCtrl">

<div class="navbar navbar-inverse" role="navigation">

<div class="container">

<div class="navbar-header">

<button type="button" class="navbar-toggle collapsed" data-toggle="collapse" data-target="#js-navbar-collapse">

<span class="sr-only">Toggle navigation</span>

<span class="icon-bar"></span>

<span class="icon-bar"></span>

<span class="icon-bar"></span>

</button>

<a class="navbar-brand" href="#/">RSMM</a>

</div>

<div class="collapse navbar-collapse" id="js-navbar-collapse">

<ul class="nav navbar-nav">

<li class="dropdown" ng-show="flagSystem >= 0">

<a class="dropdown-toggle" data-toggle="dropdown">System <span class="caret"></span></a>

<ul class="dropdown-menu" role="menu">

<li><a href="#system/permission">Permission</a></li>

<li><a href="#system/role">Role</a></li>

<li><a href="#system/user">User</a></li>

</ul>

</li>

<li class="dropdown" ng-show="flagMaster >= 0">

<a class="dropdown-toggle" data-toggle="dropdown">Master <span class="caret"></span></a>

<ul class="dropdown-menu" role="menu">

<li><a href="#master/category">Category</a></li>

<li><a href="#master/poli">Poli</a></li>

<li><a href="#master/dokter">Jadwal Dokter</a></li>

<li><a href="#master/loket">Loket</a></li>

</ul>

</li>

<li ng-show="flagGenerate >= 0"><a ng-href="#/generate/kuota">Generate</a></li>

<li ng-show="flagLoket >= 0"><a ng-href="#/transaksi/loket">Loket</a></li>

<li ng-show="flagTV >= 0"><a ng-href="#/screen/tv">TV Screen</a></li>

<li class="dropdown" ng-show="flagReport >= 0">

<a class="dropdown-toggle" data-toggle="dropdown">Report <span class="caret"></span></a>

<ul class="dropdown-menu" role="menu">

<li><a href="#report/antrian">Report Antrian Harian</a></li>

<li><a href="#report/kuota">Report Kuota Harian</a></li>

</ul>

</li>

</ul>

<ul class="nav navbar-nav navbar-right">

<li class="dropdown" align="right">

<a class="dropdown-toggle" data-toggle="dropdown" style="cursor: pointer;">{{infoUser.user}} - {{infoUser.info}} <b class="caret"></b></a>

<ul class="dropdown-menu">

<li><a ng-click="logout()">Logout</a></li>

</ul>

</li>

</ul>

</div>

</div>

</div>

</div>

<div class="container">

<div ng-view=""></div>

</div>

<div class="footer">

<div class="container">

<p><span class="glyphicon glyphicon-heart"></span> from the Yeoman team</p>

</div>

</div>

<!-- Google Analytics: change UA-XXXXX-X to be your site's ID -->

<script>

!function(A,n,g,u,l,a,r){A.GoogleAnalyticsObject=l,A[l]=A[l]||function(){

(A[l].q=A[l].q||[]).push(arguments)},A[l].l=+new Date,a=n.createElement(g),

r=n.getElementsByTagName(g)[0],a.src=u,r.parentNode.insertBefore(a,r)

}(window,document,'script','https://www.google-analytics.com/analytics.js','ga');

ga('create', 'UA-XXXXX-X');

ga('send', 'pageview');

</script>

<!-- build:js(.) scripts/vendor.js -->

<!-- bower:js -->

<script src="bower\_components/jquery/dist/jquery.js"></script>

<script src="bower\_components/angular/angular.js"></script>

<script src="bower\_components/bootstrap/dist/js/bootstrap.js"></script>

<script src="bower\_components/angular-animate/angular-animate.js"></script>

<script src="bower\_components/angular-aria/angular-aria.js"></script>

<script src="bower\_components/angular-cookies/angular-cookies.js"></script>

<script src="bower\_components/angular-messages/angular-messages.js"></script>

<script src="bower\_components/angular-resource/angular-resource.js"></script>

<script src="bower\_components/angular-route/angular-route.js"></script>

<script src="bower\_components/angular-sanitize/angular-sanitize.js"></script>

<script src="bower\_components/angular-touch/angular-touch.js"></script>

<script src="bower\_components/angular-bootstrap/ui-bootstrap-tpls.js"></script>

<script src="bower\_components/angular-ui-select/dist/select.js"></script>

<script src="bower\_components/angular-ui-grid/ui-grid.js"></script>

<script src="bower\_components/bootbox/bootbox.js"></script>

<!-- endbower -->

<!-- endbuild -->

<!-- build:js({.tmp,app}) scripts/scripts.js -->

<script src="scripts/app.js"></script>

<script src="scripts/controllers/main.js"></script>

<script src="scripts/controllers/about.js"></script>

<script src="scripts/controllers/poli.js"></script>

<script src="scripts/controllers/nav.js"></script>

<script src="scripts/controllers/user.js"></script>

<script src="scripts/controllers/permission.js"></script>

<script src="scripts/controllers/role.js"></script>

<script src="scripts/controllers/dokter.js"></script>

<script src="scripts/controllers/tvsetting.js"></script>

<script src="scripts/controllers/loket.js"></script>

<script src="scripts/controllers/generate\_kuota.js"></script>

<script src="scripts/controllers/transaksi\_loket.js"></script>

<script src="scripts/controllers/tvscreen.js"></script>

<script src="scripts/controllers/report\_antrian\_harian.js"></script>

<script src="scripts/controllers/report\_kuota\_harian.js"></script>

<script src="scripts/controllers/category.js"></script>

<script src="scripts/services/permissionservice.js"></script>

<script src="scripts/services/configservice.js"></script>

<script src="scripts/services/roleservice.js"></script>

<script src="scripts/services/loketservice.js"></script>

<script src="scripts/services/poliservice.js"></script>

<script src="scripts/services/categoryservice.js"></script>

<script src="scripts/services/userservice.js"></script>

<script src="scripts/services/dokterservice.js"></script>

<script src="scripts/services/generatekuotaservice.js"></script>

<script src="scripts/services/transaksiloketservice.js"></script>

<script src="scripts/services/screentvservice.js"></script>

<script src="scripts/services/reportkuotaservice.js"></script>

<script src="scripts/services/reportantrianservice.js"></script>

<script src="scripts/services/historyservice.js"></script>

<!-- endbuild -->

</body>

</html>