

STS_Workspace - mpa/src/main/java/ssnetone/microservice/mpa/report/controller/MPAAccommodationTypeReportController.java

```
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MPAAccommodationTypeReportController.java 22 Quick Access

44 @Slf4j
45 @RestController
46 public class MPAAccommodationTypeReportController {
47
48     @Autowired
49     MPAAccommodationTypeReportService accommodationTypeReportService;
50
51     @PostMapping("/accommodationTypeReport")
52     @PreAuthorize("hasAnyAuthority('SCOPE_read')")
53     public ResponseEntity<byte[]> mpaAccommodationTypeReportControllerMethod(@Valid @RequestBody MPAAccommodationTypeReportRequest request) throws
FileNotFoundException, JRException {
54         log.info("=====mpaAccommodationTypeReportControllerMethod begins=====");
55         LocalDate fromDate = request.getFromDate();
56         LocalDate toDate = request.getToDate();
57
58         List<MPAAccommodationTypeReport> accommodationTypeReport = accommodationTypeReportService.mpaAccommodationTypeReportServiceMethod(fromDate,
toDate);
59         JRBeanCollectionDataSource dataSource=new JRBeanCollectionDataSource(accommodationTypeReport);
60         System.out.println("JRBeanCollectionDataSource size: " +dataSource.getRecordCount());
61         JasperReport compilerreport=JasperCompileManager.compileReport(new FileInputStream("C:\\SSNet7\\MPAImplementation\\src\\main\\resources\\
\\AccommodationTypeReport.jrxml"));
62         Map<String,Object> paramMap=new HashMap<String,Object>();
63         paramMap.put("AccommodationTypeReportParameter", dataSource);
64         paramMap.put("FromDateParam", fromDate);
65         paramMap.put("ToDateParam", toDate);
66         JasperPrint report=JasperFillManager.fillReport(compilerreport,paramMap, new JREmptyDataSource());
67         byte data[] = JasperExportManager.exportReportToPdf(report);
68         System.err.println(data);
69
70         //for word file
71
72         Exporter exporter = new JRDoxcExporter();
73         exporter.setExporterInput(new SimpleExporterInput(report));
74         File exportReportFile = new File("C:\\MPAImplementation\\Reports\\AccommodationTypeReport.docx");
75         exporter.setExporterOutput(new SimpleOutputStreamExporterOutput(exportReportFile));
76         exporter.exportReport();
77
```

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```
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MPAAccommodationTypeReportController.java
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    FileNotFoundException, JRException {
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71
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73     exporter.setExporterInput(new SimpleExporterInput(report));
74     File exportReportFile = new File("C:\\MPAImplementation\\Reports\\AccommodationTypeReport.docx");
75     exporter.setExporterOutput(new SimpleOutputStreamExporterOutput(exportReportFile));
76     exporter.exportReport();
77
78     //word file end
79     HttpHeaders headers = new HttpHeaders();
80     headers.add("Content-Disposition", "inline; filename=userreport.pdf");
81     log.info("-----mpaAccommodationTypeReportControllerMethod ends-----");
82     return ResponseEntity.ok().headers(headers).contentType(MediaType.APPLICATION_PDF).body(data);
83 }
84
85 }
```

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STS_Workspace - mpa/src/main/java/ssnetone/microservice/mpa/model/MPAAccommodationTypeReportRequest.java

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MPAAccommodationTypeReportRequest.java MPAAccommodationTypeReportController.java

```
1 package ssnetone.microservice.mpa.model;
2
3 import java.time.LocalDate;
4
5
6
7
8
9
10
11
12 @Getter
13 @Setter
14 @ToString
15 @AllArgsConstructor
16 @NoArgsConstructor
17 public class MPAAccommodationTypeReportRequest {
18
19     private LocalDate fromDate;
20     private LocalDate toDate;
21     private long reportID;
22
23 }
24
```


STS_Workspace - mpa/src/main/resources/accommodationTypeReport.jrxml

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Project Explorer

- src/main/resources
- accommodationTypeReport.jrxml

Outline

- accommodationTypeReport
 - Styles
 - Parameters
 - Fields
 - Sort Fields
 - Variables
 - Scriptlets
 - AccommodationTypeReportDataset
 - Title
 - Page Header
 - Column Header
 - Detail 1 [375px]
 - Table
 - Column Footer
 - Page Footer
 - Last Page Footer
 - Summary
 - No Data
 - Background

accommodationTypeReport.jrxml

Main Report Table

Report Name: Accommodation Type of Applicants
Report Period: * \$P{FromDateParam} - * - * \$P
Case Type: Conclusion Case

| Month | Total number of fresh cases | HDB 1 room flat | HDB 2 room flat | HDB 3 room flat | HDB 4 room flat | HDB 5 room flat | HDB Executive Flat | HDB Studio Apartment | Colex Shelter / Transitional Shelter / Institution | Homeless | Condominium Private Apartment | Landed Property | Others - HUCD, shop houses, rented rooms from the open market, stays in Bunkers, studio apartment, etc. Malaysia |
|------------|-----------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------|-------------------------|--|---------------|-------------------------------|---------------------|--|
| \$F{month} | \$F{InitialOfCases} | \$F{Hdb1Flat} | \$F{Hdb2Flat} | \$F{Hdb3Flat} | \$F{Hdb4Flat} | \$F{Hdb5Flat} | \$F{HdbExecFlat} | \$F{HdbStudioApartment} | \$F{ColexShelter} | \$F{Homeless} | \$F{Condominium} | \$F{LandedProperty} | \$F{Others} * (" * \$F{OthersPercentage} * %" |

Detail 1

Design Source Preview

Tasks Console Report State Properties Type Hierarchy Search Search Debug

Table: Table

Appearance Inheritance Dataset Table Advanced

When No Data Type <NULL>

Dataset Run

Dataset Run AccommodationTypeReportDataset

Quick Access 100% Settings

Palette

- Basic Elements
 - Note
 - Text Field
 - Static Text
 - Image
 - Break
 - Rectangle
 - Ellipse
- Composite Elements
 - Page Number
 - Total Pages
 - Current Date
 - Time
 - Percentage
 - Page X of Y

JasperReports Library

accommodationTypeReport

Styles

Parameters

REPORT_CONTEXT

REPORT_PARAMETERS_MAP

JASPER_REPORTS_CONTEXT

JASPER_REPORT

REPORT_CONNECTION

REPORT_MAX_COUNT

REPORT_DATA_SOURCE

REPORT_SCRIPTLET

REPORT_LOCALE

REPORT_RESOURCE_BUNDLE

REPORT_TIME_ZONE

REPORT_FORMAT_FACTORY

REPORT_CLASS_LOADER

REPORT_TEMPLATES

SORT_FIELDS

FILTER

REPORT_VIRTUALIZER

IS_IGNORE_PAGINATION

AccommodationTypeReportParamet ...

FromDateParam

ToDateParam

Fields

Sort Fields

STS Workspace - mpa/src/main/resources/accommodationTypeReport.jrxml

File Edit View Navigate Search Project Run Window Help

Project Explorer

- src/main/resources
- accommodationTypeReport.jrxml

Outline

- accommodationTypeReport
- Styles
- AccommodationTypeReportDataset
- Table

accommodationTypeReport.jrxml

Main Report Table

| Month | Total number of fresh cases | HDB 1 room flat | HDB 2 room flat | HDB 3 room flat | HDB 4 room flat | HDB 5 room flat | HDB Executive Flat | HDB Studio Apartment | Crisis Shelter / Transitional Shelter / Institution | Homeless | Condominium Private Apartment | Landlord Property | Others - HUC, shop house, rented room from the open market, stays in Bunkers, studio apartment in Malaysia |
|------------|-----------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|-------------------------|---|---------------|-------------------------------|-----------------------|--|
| \$F{month} | \$F{totalFreshCases} | \$F{Hdb1Flat} | \$F{Hdb2Flat} | \$F{Hdb3Flat} | \$F{Hdb4Flat} | \$F{Hdb5Flat} | \$F{HdbExecutiveFlat} | \$F{HdbStudioApartment} | \$F{CrisisShelter} | \$F{Homeless} | \$F{Condominium} | \$F{LandlordProperty} | \$F{Others}+1 ("+"\$F{OthersPercentage}+%) |

Design | Source | Preview

Tasks Console Report State Properties Type Hierarchy Search Search Debug

Table: Table

Appearance Inheritance Dataset Table Advanced

When No Data Type <NULL>

Dataset Run

Dataset Run AccommodationTypeReportDataset

☐ Use same JDBC connection used to fill the master report

☐ Use another connection

☐ Use an empty Data Source

☒ Use a JRDataSource expression

\$F{AccommodationTypeReportParameter}

☐ Don't use any connection or Data Source

Return Values Parameters Parameters Map

STS_Workspace - mpa/src/main/resources/accommodationTypeReport.jrxml

File Edit View Navigate Search Project Run Window Help

Project Explorer

src/main/resources

Outline

accommodationTypeReport

Styles

AccommodationTypeReportDataset

Parameters

Fields

month

totalNoOfCases

hdb1Room

hdb2Room

hdb3Room

hdb4Room

hdb5Room

hdbExecutiveFlat

hdbStudioApartment

condominiumPrivateApartment

landedProperty

crisisShelter

transitionalShelter

institution

homeless

others

toDate

hdb1RoomPercentage

hdb2RoomPercentage

hdb3RoomPercentage

hdb4RoomPercentage

hdb5RoomPercentage

accommodationTypeReport.jrxml

Main Report

Table

| Month | Total number of fresh cases | HDB 1 room flat | HDB 2 room flat | HDB 3 room flat | HDB 4 room flat | HDB 5 room flat | HDB Executive Flat | HDB Studio Apartment | Crisis Shelter / Transitional Shelter / Institution | Condominium Private Apartment | Landed Property | Others - HDB, long term rental units from the open market, stays in hotels, resorts, apartment, or elsewhere |
|------------|--------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------------|----------------------------|--|-------------------------------------|--------------------|---|
| SF (month) | SF (totalOfCases) | SF (hdb1Flat) | SF (hdb2Flat) | SF (hdb3Flat) | SF (hdb4Flat) | SF (hdb5Flat) | SF (hdbExecutiveFlat) | SF (hdbStudioApartment) | SF (condominiumPrivateApartment) | SF (landedProperty) | SF (others) | SF (others) |

Design Source Preview

Tasks Console Report State Properties Type Hierarchy Search Search Debug

Dataset: AccommodationTypeReportDataset

Search Property

Dataset

Advanced

Name

AccommodationTypeReportDataset

When Resource Missing Type

Null

Filter Expression

Scriptlet Class

Resource Bundle

Default Data Adapter

Edit query, filter and sort options

Palette

Basic Elements

Note

Composite Elements

Page Number

JasperReports Library

mpa/pom.xml

```
62<dependency>
63  <groupId>com.h2database</groupId>
64  <artifactId>h2</artifactId>
65  <version>2.1.210</version>
66</dependency>
67<!-- <dependency> <groupId>org.hibernate.orm</groupId> <artifactId>hibernate-core</artifactId>
68  <version>6.0.1.Final</version> </dependency> -->
69<dependency>
70  <groupId>org.springframework.boot</groupId>
71  <artifactId>spring-boot-starter-oauth2-resource-server</artifactId>
72</dependency>
73<dependency>
74  <groupId>org.springframework.security</groupId>
75  <artifactId>spring-security-test</artifactId>
76  <scope>test</scope>
77</dependency>
78<dependency>
79  <groupId>org.springframework.security</groupId>
80  <artifactId>spring-security-oauth2-authorization-server</artifactId>
81  <version>0.2.3</version>
82  <scope>test</scope>
83</dependency>
84<dependency>
85  <groupId>net.sf.jasperreports</groupId>
86  <artifactId>jasperreports</artifactId>
87  <version>6.20.0</version>
88</dependency>
89</dependencies>
```

Overview Dependencies Dependency Hierarchy Effective POM pom.xml

► accommodationTypeReport

Examples 0 ▾

BUILD

POST ▾

http://localhost:9080/api/mpa/1.0/accommodationTypeReport

Send ▾

Save ▾

Params

Authorization ●

Headers (9)

Body ●

Pre-request Script

Tests

Settings

Cookies Code

TYPE

Bearer Token ▾

The authorization header will be automatically generated when you send the request. [Learn more about authorization](#)

! Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. [Learn more about variables](#) ✕

Token

eyJraWQ5OilyOWlyNjNhNy1kMTQ3LTQ5MGMTyJE5NC1iN...

accommodationTypeReport

Examples 0

BUILD

POST

http://localhost:9080/api/mpa/1.0/accommodationTypeReport

Send

Save

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Cookies Code

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

Beautify

```
1 {  
2   "fromDate": "2022-01-25",  
3   "toDate": "2022-08-25"  
4 }
```

Body Cookies Headers (11) Test Results

200 OK 4.07 s 5.67 KB

Save Response

Pretty

Raw

Preview

Visualize

Text



```
1 %PDF-1.5  
2 %  
3 3 0 obj  
4 <</Filter/FlateDecode/Length 4175>>stream  
5 xL20880dJIRt/M/XsJi"yR\oW:  
   [Wp|NNlhey/g]vqu~y~nwfwS\v.v  
6 r{n}x\oAaz}}T`>Prrps*9Tsq;ruSgF  
7 aaan@n0xGxan~5{tT:~*APE8Gcu4
```

Bootcamp

