MySQL

- 1.
- 2.
- 3.
- 4.
- 5./ API
- 6.
- 7. !
    - a.
    - b.
    - c.
    - d. (i18n)
    - e. Felix
    - f.
- 8.

Bean Shell

1.

2SQL ChartMySQL2

2.

Generator 2SQL Chart

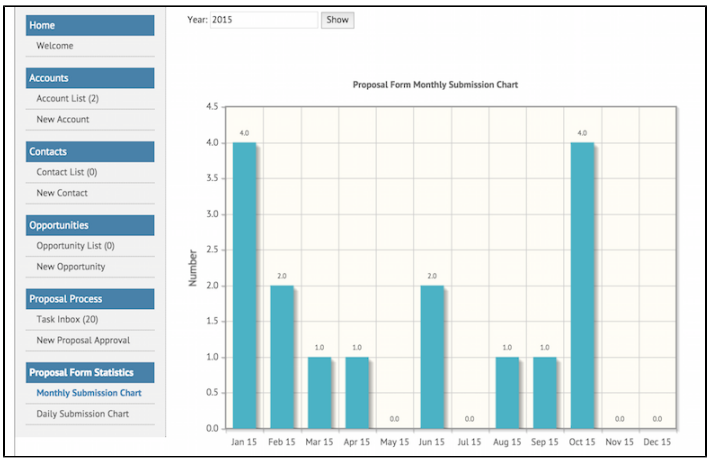
3.

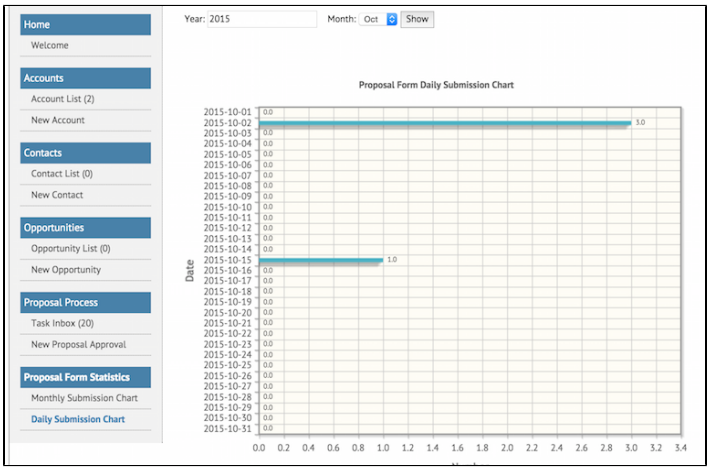
2SQLGenerator

1. Userview ID2SQL
2. “”“”“”

4.

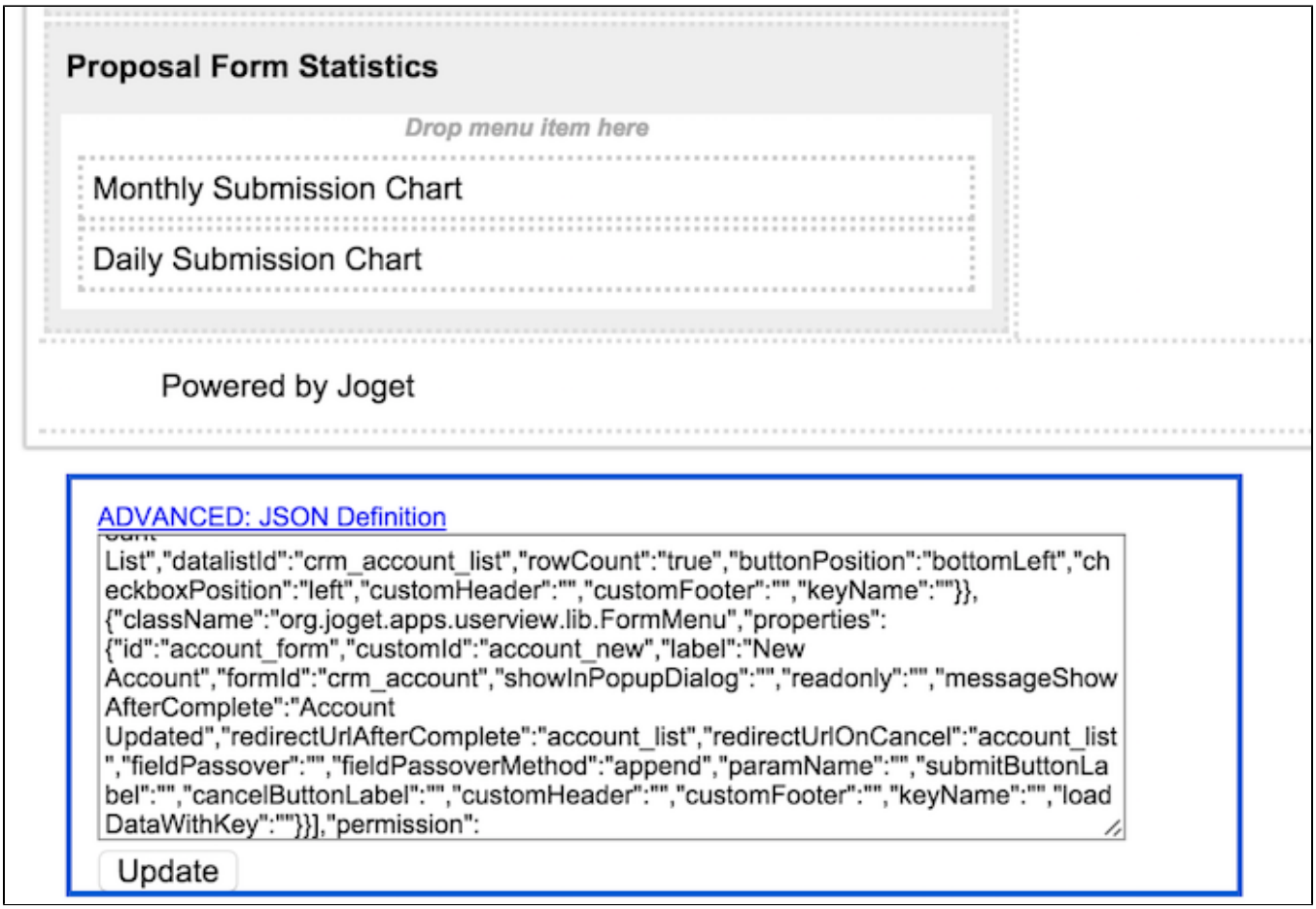
2 SQL Chart





5./ API

2SQL2SQL ChartJSONUserview Builder“ADVANCEDJSON Definition”



JSON2SQLMySQL

```
{
    "className": "org.joget.apps.userview.model.UserviewCategory",
    "properties": {
        "id": "category-8722A52FFBB64D058E2CD41174922807",
        "label": "Proposal Form Statistics"
    },
    "menus": [{
        "className": "org.joget.plugin.enterprise.SqlChartMenu",
        "properties": {
            "id": "807F165BFA9C4BB589E5B52E4C071250",
            "customId": "crm_proposal_monthly",
            "label": "Monthly Submission Chart",
            "chartType": "bar",
            "title": "Proposal Form Monthly Submission Chart",
            "categoryAxisLabel": "Month",
            "xAxisDisplayAS": "",
            "valueAxisLabel": "Number",
            "yaxisPrefix": "",
            "showLegend": "",
            "showValueLabel": "true",
            "stack": "",
            "horizontal": "",
            "chartWidth": "100%",
            "chartHeight": "80%",
            "colors": "",
            "query": "SELECT DATE_FORMAT(STR_TO_DATE(m.monthYear, '%c-%Y'),'%b %y') as monthYear, COUNT(fd.
dateCreated) AS 'Number'\nFROM \n(\n    SELECT my.month, CONCAT(my.month, '-', IF(('#requestParam.year?sql#'
REGEXP '^[0-9]{4}$'), '#requestParam.year?sql#' , '#date.yyyy?sql#')) AS monthYear FROM (\n        SELECT 1 AS
month UNION SELECT 2 UNION SELECT 3 UNION SELECT 4 UNION SELECT 5 UNION SELECT 6 UNION SELECT 7 UNION SELECT 8
UNION SELECT 9 UNION SELECT 10 UNION SELECT 11 UNION SELECT 12\n    ) my\n) m\nLEFT JOIN \n(\n\t  select
dateCreated FROM app_fd_crm_proposal\n) fd\nON m.monthYear=DATE_FORMAT(fd.dateCreated,'%c-%Y')\nGROUP BY
```

```
monthYear\nORDER BY m.month",
            "customHeader": "<div class=\"filter\">\n    <form action=\"?\" method=\"GET\">\n
<label>Year: <\/label><input name=\"year\" value=\"#requestParam.year?html#\"\/>\n        <input type=\"
submit\" value=\"Show\"\/>\n    <\/form>\n<\/div>\n<script>\n    $(function(){\n        if ($(\"[name='year']
\").val() === \"\") {\n            $(\"[name='year']\").val(\"#date.yyyy#\");\n        }\n    });\n<\
/script>\n<br\/>\n<br\/>",
            "customFooter": "",
            "datasource": "default",
            "keyName": ""
        }
    }, {
        "className": "org.joget.plugin.enterprise.SqlChartMenu",
        "properties": {
            "id": "39E2163319D84FD693D164D92FA93C06",
            "customId": "crm_proposal_daily",
            "label": "Daily Submission Chart",
            "chartType": "bar",
            "title": "Proposal Form Daily Submission Chart",
            "categoryAxisLabel": "Date",
            "xAxisDisplayAS": "",
            "valueAxisLabel": "Number",
            "yaxisPrefix": "",
            "showLegend": "",
            "showValueLabel": "true",
            "stack": "",
            "horizontal": "true",
            "chartWidth": "100%",
            "chartHeight": "80%",
            "colors": "",
            "query": "SELECT d.date_field, COUNT(fd.dateCreated) AS 'Number'\nFROM\n(\n    SELECT\n
MAKEDATE(IF(('#requestParam.year?sql#' REGEXP '^[0-9]{4}$'), '#requestParam.year?sql#' , '#date.yyyy?sql#'),1)
+\n        INTERVAL (IF(('#requestParam.month?sql#' REGEXP '^[0-9]{2}$'), '#requestParam.month?sql#' , '#date.
MM?sql#') -1) MONTH +\n        INTERVAL daynum DAY date_field\n    FROM\n    (\n        SELECT t*10+u
daynum\n        FROM\n            (SELECT 0 t UNION SELECT 1 UNION SELECT 2 UNION SELECT 3) A,\n
(SELECT 0 u UNION SELECT 1 UNION SELECT 2 UNION SELECT 3\n            UNION SELECT 4 UNION SELECT 5 UNION
SELECT 6 UNION SELECT 7\n            UNION SELECT 8 UNION SELECT 9) B\n        ORDER BY daynum\n    ) AA\n)
d\nLEFT JOIN \n(\n\t  select dateCreated FROM app_fd_crm_proposal\n) fd\nON d.date_field=DATE_FORMAT(fd.
dateCreated,'%Y-%m-%d')\nWHERE DATE_FORMAT(d.date_field,'%m') = IF(('#requestParam.month?sql#' REGEXP '^[0-9]
{2}$'), '#requestParam.month?sql#' , '#date.MM?sql#')\nGROUP BY d.date_field\nORDER BY d.date_field desc",
            "customHeader": "<div class=\"filter\">\n    <form action=\"?\" method=\"GET\">\n
<label>Year: <\/label><input name=\"year\" value=\"#requestParam.year?html#\"\/>   \n
<label>Month: <\/label><select name=\"month\"\/>\n            <option value=\"01\">Jan<\/option>\n
<option value=\"02\">Feb<\/option>\n            <option value=\"03\">Mar<\/option>\n            <option value=\"
04\">Apr<\/option>\n            <option value=\"05\">May<\/option>\n            <option value=\"06\">Jun<\
/option>\n            <option value=\"07\">Jul<\/option>\n            <option value=\"08\">Aug<\
/option>\n            <option value=\"09\">Sep<\/option>\n            <option value=\"10\">Oct<\
/option>\n            <option value=\"11\">Nov<\/option>\n            <option value=\"12\">Dec<\
/option>\n        <\/select>\n        <input type=\"submit\" value=\"Show\"\/>\n    <\/form>\n<\
/div>\n<script>\n    $(function(){\n        if ($(\"[name='year']\").val() === \"\") {\n            $(\"
[name='year']\").val(\"#date.yyyy#\");\n        }\n        if ($(\"[name='month']\").val() !== \"#requestParam.
month?javascript#\" \n            && '#requestParam.month?javascript#' !== \"\"\n            && $(\"
[name='month'] option[value='#requestParam.month?javascript#']\").length > 0 ) {\n            $(\"[name='month']
\").val('#requestParam.month?javascript#');\n        } else {\n            $(\"[name='month']\").val(\"#date.
MM#\");\n        }\n    });\n<\/script>\n<br\/>\n<br\/>",
            "customFooter": "",
            "datasource": "default",
            "keyName": ""
        }
    }]
}
```


GeneratorUtil JSONuserview JSON

6.

Joget Workflow Source Code

Macbook ProJoget5.0.0

```
- Home
  - joget
    - plugins
    - jw-community
      -5.0.0
```

“plugins”“jw-community”Joget Workflow

“plugins”maven

```
cd joget/plugins/
~/joget/jw-community/5.0.0/wflow-plugin-archetype/create-plugin.sh org.joget.tutorial
form_submission_statistics_generator 5.0.0
```

shellmaven

```
Define value for property 'version':  1.0-SNAPSHOT: : 5.0.0
[INFO] Using property: package = org.joget.tutorial
Confirm properties configuration:
groupId: org.joget.tutorial
artifactId: form_submission_statistics_generator
version: 5.0.0
package: org.joget.tutorial
Y: : y
```

“BUILD SUCCESS”“plugins”“form_submission_statistics_generator”

IDEmaven NetBeans

7. !

a.

“org.joget.tutorial”“FormSubmissionStatisticsGenerator”**org.joget.apps.generator.model.GeneratorPlugin** Generator

b.

AppPluginUtil.getMessagei18nMESSAGE_PATH

Implementation of all basic abstract methods

```
package org.joget.tutorial;
import org.joget.apps.app.service.AppPluginUtil;
import org.joget.apps.app.service.AppUtil;
import org.joget.apps.generator.model.GeneratorPlugin;
import org.joget.apps.generator.model.GeneratorResult;
public class FormSubmissionStatisticsGenerator extends GeneratorPlugin {

    private final static String MESSAGE_PATH = "messages/FormSubmissionStatisticsGenerator";

    public String getName() {
        return "File Link Datalist Formatter";
    }

    public String getVersion() {
        return "5.0.0";
    }

    public String getClassName() {
        return getClass().getName();
    }

    public String getLabel() {
        //support i18n
        return AppPluginUtil.getMessage("org.joget.tutorial.FormSubmissionStatisticsGenerator.pluginLabel",
getClassName(), MESSAGE_PATH);
    }

    public String getDescription() {
        //support i18n
        return AppPluginUtil.getMessage("org.joget.tutorial.FormSubmissionStatisticsGenerator.pluginDesc",
getClassName(), MESSAGE_PATH);
    }

    public String getPropertyOptions() {
        return AppUtil.readPluginResource(getClassName(), "/properties/formSubmissionStatisticsGenerator.json",
null, true, MESSAGE_PATH);
    }
    @Override
    public String getExplanation() {
        //support i18n
        return AppPluginUtil.getMessage("generator.formSubmissionStatistics.explanation", getClassName(),
MESSAGE_PATH);
    }
    @Override
    public GeneratorResult generate() {
        throw new UnsupportedOperationException("Not supported yet.");
    }
}
```

UIgetPropertyOptions “/properties/formSubmissionStatisticsGenerator.json”“form_submission_statistics_generator / src / main”“resources / properties”“properties”“formSubmissionStatisticsGenerator.json”

“@@ message.key @@”i18n

```
[{
    title : '@@generator.formSubmissionStatistics.config@@',
    properties : [
    {
        name : 'userviewId',
        label : '@@generator.formSubmissionStatistics.userview@@',
        type : 'selectbox',
        value: '[default_userviewId]',
        options_ajax : '[CONTEXT_PATH]/web/json/console/app[APP_PATH]/userview/options'
    }]
},
{
    title : '@@generator.formSubmissionStatistics.advanced@@',
```

```
properties : [
{
    label : '@@generator.formSubmissionStatistics.label.options@@',
    type : 'header'
},
{
    name : 'monthlyChartTitle',
    label : '@@generator.formSubmissionStatistics.monthlyChartTitle@@',
    type : 'textfield',
    required : 'true',
    value : '@@generator.formSubmissionStatistics.monthlyChartTitle.value@@'
},
{
    name : 'monthlyXAxisLabel',
    label : '@@generator.formSubmissionStatistics.monthlyXAxisLabel@@',
    type : 'textfield',
    required : 'true',
    value : '@@generator.formSubmissionStatistics.monthlyXAxisLabel.value@@'
},
{
    name : 'dailyChartTitle',
    label : '@@generator.formSubmissionStatistics.dailyChartTitle@@',
    type : 'textfield',
    required : 'true',
    value : '@@generator.formSubmissionStatistics.dailyChartTitle.value@@'
},
{
    name : 'dailyXAxisLabel',
    label : '@@generator.formSubmissionStatistics.dailyXAxisLabel@@',
    type : 'textfield',
    required : 'true',
    value : '@@generator.formSubmissionStatistics.dailyXAxisLabel.value@@'
},
{
    name : 'yAxisLabel',
    label : '@@generator.formSubmissionStatistics.yAxisLabel@@',
    type : 'textfield',
    required : 'true',
    value : '@@generator.formSubmissionStatistics.yAxisLabel.value@@'
},
{
    name : 'yearLabel',
    label : '@@generator.formSubmissionStatistics.yearLabel@@',
    type : 'textfield',
    required : 'true',
    value : '@@generator.formSubmissionStatistics.yearLabel.value@@'
},
{
    name : 'monthLabel',
    label : '@@generator.formSubmissionStatistics.monthLabel@@',
    type : 'textfield',
    required : 'true',
    value : '@@generator.formSubmissionStatistics.monthLabel.value@@'
},
{
    name : 'showLabel',
    label : '@@generator.formSubmissionStatistics.showLabel@@',
    type : 'textfield',
    required : 'true',
    value : '@@generator.formSubmissionStatistics.showLabel.value@@'
},
{
    label : '@@generator.formSubmissionStatistics.useriewMenu.options@@',
    type : 'header'
},
{
    name : 'categoryLabel',
    label : '@@generator.formSubmissionStatistics.categoryLabel@@',
    type : 'textfield',
    required : 'true',
    value : '@@generator.formSubmissionStatistics.categoryLabel.value@@'
```

```
},
{
    name : 'monthlyMenuId',
    label : '@@generator.formSubmissionStatistics.monthlyMenuId@@',
    type : 'textfield',
    required : 'true',
    regex_validation : '^[a-zA-Z0-9_]+$',
    validation_message : '@@generator.formSubmissionStatistics.menuId.invalidId@@',
    value : '[formId]_monthly'
},
{
    name : 'monthlyMenuLabel',
    label : '@@generator.formSubmissionStatistics.monthlyMenuLabel@@',
    type : 'textfield',
    required : 'true',
    value : '@@generator.formSubmissionStatistics.monthlyMenuLabel.value@@'
},
{
    name : 'dailyMenuId',
    label : '@@generator.formSubmissionStatistics.dailyMenuId@@',
    type : 'textfield',
    required : 'true',
    regex_validation : '^[a-zA-Z0-9_]+$',
    validation_message : '@@generator.formSubmissionStatistics.menuId.invalidId@@',
    value : '[formId]_daily'
},
{
    name : 'dailyMenuLabel',
    label : '@@generator.formSubmissionStatistics.dailyMenuLabel@@',
    type : 'textfield',
    required : 'true',
    value : '@@generator.formSubmissionStatistics.dailyMenuLabel.value@@'
},
{
    label : '@@generator.formSubmissionStatistics.createUserviewOptions@@',
    type : 'header',
    control_field: 'userviewId',
    control_value: '',
    control_use_regex: 'false',
},
{
    name : 'userviewNewId',
    label : '@@generator.formSubmissionStatistics.userview.id@@',
    type : 'textfield',
    required : 'true',
    value : '@@generator.formSubmissionStatistics.userview.id.value@@',
    regex_validation : '^[a-zA-Z0-9_]+$',
    validation_message : '@@generator.formSubmissionStatistics.userview.id.invalidId@@',
    control_field: 'userviewId',
    control_value: '',
    control_use_regex: 'false'
},
{
    name : 'userviewName',
    label : '@@generator.formSubmissionStatistics.userview.name@@',
    type : 'textfield',
    required : 'true',
    value : '@@generator.formSubmissionStatistics.userview.name.value@@',
    control_field: 'userviewId',
    control_value: '',
    control_use_regex: 'false'
},
{
    name : 'userviewDesc',
    label : '@@generator.formSubmissionStatistics.userview.description@@',
    type : 'textarea',
    rows : "3",
    control_field: 'userviewId',
    control_value: '',
    control_use_regex: 'false'
}]
```

```
}]
```

“userviewId”“[default_userviewId]”“[formName]”“[formId]”getPropertyOptions

```
    public String getPropertyOptions() {
        String options = AppUtil.readPluginResource(getClassName(), "/properties
/formSubmissionStatisticsGenerator.json", null, true, MESSAGE_PATH);

        //populate value like [formName] and [formId]
        options = GeneratorUtil.populateFormMeta(options, getFormId(), getAppDefinition());

        //populate value of [default_userviewId]
        options = options.replace("[default_userviewId]", GeneratorUtil.getFirstAvailableUserviewId
(getAppDefinition()));

        return options;
    }
```

format

```
    @Override
    public GeneratorResult generate() {
        GeneratorResult result = new GeneratorResult();
        AppDefinition appDef = getAppDefinition();

        try {
            //get userview
            UserviewDefinitionDao userviewDefinitionDao = (UserviewDefinitionDao) AppUtil.
getApplicationContext().getBean("userviewDefinitionDao");
            UserviewDefinition userviewDef = null;
            String json = null;
            String userviewId = getPropertyString("userviewId");
            String userviewName;
            String userviewDesc;
            if (userviewId != null && !userviewId.isEmpty()) {
                userviewDef = userviewDefinitionDao.loadById(userviewId, appDef);
            }
            if (userviewDef != null) {
                userviewName = userviewDef.getName();
                userviewDesc = userviewDef.getDescription();
                json = userviewDef.getJson();
            } else {
                userviewId = getPropertyString("userviewNewId");
                int count = 0;
                while (isExist(userviewId, userviewDefinitionDao)) {
                    count++;
                    userviewId = userviewId + count;
                }
                userviewName = getPropertyString("userviewName");
                userviewDesc = getPropertyString("userviewDesc");
            }
            if (json == null || json.isEmpty()) {
                //create a new userview json
                json = GeneratorUtil.createNewUserviewJson(userviewId, userviewName, userviewDesc);
            }

            //add the category json to userview json
            json = GeneratorUtil.addCategoryJsonToUserviewJson(getCategoryJson(appDef), json);

            //Store the userview json
            if (userviewDef != null) {
                userviewDef.setJson(json);
                userviewDefinitionDao.update(userviewDef);
            }else {
                userviewDef = new UserviewDefinition();
                userviewDef.setJson(json);
```

```
                userviewDef.setId(userviewId);
                userviewDef.setName(userviewName);
                userviewDef.setAppDefinition(appDef);
                userviewDefinitionDao.add(userviewDef);

                //Set current published version
                final AppDefinition currentAppDef = appDef;
                TransactionTemplate transactionTemplate = (TransactionTemplate)AppUtil.getApplicationContext().
getBean("transactionTemplate");
                transactionTemplate.execute(new TransactionCallback<Object>() {
                    public Object doInTransaction(TransactionStatus ts) {
                        AppService appService = (AppService)AppUtil.getApplicationContext().getBean
("appService");
                        appService.publishApp(currentAppDef.getId(), currentAppDef.getVersion().toString());
                        return null;
                    }
                });
            }

            //show message to continue edit
            String editLink = WorkflowUtil.getHttpServletRequest().getContextPath() + "/web/console/app/"
+appDef.getAppId()+"/"+appDef.getVersion()+"/userview/builder/"+userviewId;
            String msg = AppPluginUtil.getMessage("generator.formSubmissionStatistics.msg.success",
getClassName(), MESSAGE_PATH);
            msg = msg.replace("[url]", editLink);

            result.setMessage(msg);
        } catch (Exception e) {
            result.setError(true);
            result.setMessage(AppPluginUtil.getMessage("generator.formSubmissionStatistics.msg.error",
getClassName(), MESSAGE_PATH));
            LogUtil.error(getClassName(), e, "Not able to generate the menus");
        }

        return result;
    }

    /**
     * Retrieves the category JSON definition
     * @param appDef
     * @return
     */
    protected String getCategoryJson(AppDefinition appDef) {
        Collection<String> args = new ArrayList<String>();

        AppService appService = (AppService)AppUtil.getApplicationContext().getBean("appService");
        String tabelName = appService.getFormTableName(appDef, getFormId());

        args.add(UuidGenerator.getInstance().getUuid()); //category id
        args.add(StringUtil.escapeString(getPropertyString("categoryLabel"), StringUtil.TYPE_JSON, null));
//category label
        args.add(UuidGenerator.getInstance().getUuid()); //monthly menu uuid
        args.add(StringUtil.escapeString(getPropertyString("monthlyMenuId"), StringUtil.TYPE_JSON, null));
//monthly menu custom id
        args.add(StringUtil.escapeString(getPropertyString("monthlyMenuLabel"), StringUtil.TYPE_JSON, null));
//monthly menu label
        args.add(StringUtil.escapeString(getPropertyString("monthlyChartTitle"), StringUtil.TYPE_JSON, null));
//monthly chart title
        args.add(StringUtil.escapeString(getPropertyString("monthlyXAxisLabel"), StringUtil.TYPE_JSON, null));
//monthly x-axis label
        args.add(StringUtil.escapeString(getPropertyString("yAxisLabel"), StringUtil.TYPE_JSON, null));
//monthly y-axis label
        args.add(StringUtil.escapeString(tabelName, StringUtil.TYPE_JSON, null)); //monthly form table name
        args.add(StringUtil.escapeString(getPropertyString("yearLabel"), StringUtil.TYPE_JSON, null));
//monthly year label
        args.add(StringUtil.escapeString(getPropertyString("showLabel"), StringUtil.TYPE_JSON, null));
//monthly show button label
        args.add(UuidGenerator.getInstance().getUuid()); //daily menu uuid
        args.add(StringUtil.escapeString(getPropertyString("dailyMenuId"), StringUtil.TYPE_JSON, null));
//daily menu custom id
        args.add(StringUtil.escapeString(getPropertyString("dailyMenuLabel"), StringUtil.TYPE_JSON, null));
```

```
//daily menu label
        args.add(StringUtil.escapeString(getPropertyString("dailyChartTitle"), StringUtil.TYPE_JSON, null));
//daily chart title
        args.add(StringUtil.escapeString(getPropertyString("dailyXAxisLabel"), StringUtil.TYPE_JSON, null));
//daily x-axis label
        args.add(StringUtil.escapeString(getPropertyString("yAxisLabel"), StringUtil.TYPE_JSON, null)); //daily
y-axis label
        args.add(StringUtil.escapeString(tabelName, StringUtil.TYPE_JSON, null)); //daily form table name
        args.add(StringUtil.escapeString(getPropertyString("yearLabel"), StringUtil.TYPE_JSON, null)); //daily
year label
        args.add(StringUtil.escapeString(getPropertyString("monthLabel"), StringUtil.TYPE_JSON, null)); //daily
month label
        args.add(StringUtil.escapeString(getPropertyString("showLabel"), StringUtil.TYPE_JSON, null)); //daily
show button label

        String json = AppUtil.readPluginResource(getClass().getName(), "/resources/category.json", args.
toArray(), true, null);

        return json;
    }

    /**
     * Checks for a userview is already exist
     * @param id
     * @param userviewDefinitionDao
     * @return
     */
    protected boolean isExist(String id, UserviewDefinitionDao userviewDefinitionDao) {
        Long count = userviewDefinitionDao.count("AND id = ?", new String[]{id}, getAppDefinition());
        return count > 0;
    }
```

getCategoryJsonJSON“/resources/category.json”“form_submission_statistics_generator / src / main”“resources / resources”“resources”“category.json”JSONString.formatAppUtil.readPluginResource“”“%%”

```
{
    "className": "org.joget.apps.userview.model.UserviewCategory",
    "properties": {
        "id": "category-%s",
        "label": "%s"
    },
    "menus": [{
        "className": "org.joget.plugin.enterprise.SqlChartMenu",
        "properties": {
            "id": "%s",
            "customId": "%s",
            "label": "%s",
            "chartType": "bar",
            "title": "%s",
            "categoryAxisLabel": "%s",
            "xAxisDisplayAS": "",
            "valueAxisLabel": "%s",
            "yaxisPrefix": "",
            "showLegend": "",
            "showValueLabel": "true",
            "stack": "",
            "horizontal": "",
            "chartWidth": "100%%",
            "chartHeight": "80%%",
            "colors": "",
            "query": "SELECT DATE_FORMAT(STR_TO_DATE(m.monthYear, '%%c-%%Y'),'%%b %%y') as monthYear, COUNT(fd.
dateCreated) AS 'Number'\nFROM \n(\n    SELECT my.month, CONCAT(my.month, '-', IF(('#requestParam.year?sql#'
REGEXP '^[0-9]{4}$'), '#requestParam.year?sql#' , '#date.yyyy?sql#')) AS monthYear FROM (\n        SELECT 1 AS
month UNION SELECT 2 UNION SELECT 3 UNION SELECT 4 UNION SELECT 5 UNION SELECT 6 UNION SELECT 7 UNION SELECT 8
UNION SELECT 9 UNION SELECT 10 UNION SELECT 11 UNION SELECT 12\n    ) my\n) m\nLEFT JOIN \n(\n\t  select
dateCreated FROM app_fd_%s\n) fd\nON m.monthYear=DATE_FORMAT(fd.dateCreated,'%%c-%%Y')\nGROUP BY
monthYear\nORDER BY m.month",
            "customHeader": "<div class=\"filter\">\n    <form action=\"?\" method=\"GET\">\n        <label>%s:
<\/label><input name=\"year\" value=\"#requestParam.year?html#\"\/>\n        <input type=\"submit\" value=\"%s\"
\/>\n    <\/form>\n<\/div>\n<script>\n    $(function(){\n        if ($(\"[name='year']\").val() === \"\")
```

```
{\n            $(\"[name='year']\").val(\"#date.yyyy#\");\n        }\n    });\n<\/script>\n<br\/>\n<br\/>",
            "customFooter": "",
            "datasource": "default",
            "keyName": ""
        }
    }, {
        "className": "org.joget.plugin.enterprise.SqlChartMenu",
        "properties": {
            "id": "%s",
            "customId": "%s",
            "label": "%s",
            "chartType": "bar",
            "title": "%s",
            "categoryAxisLabel": "%s",
            "xAxisDisplayAS": "",
            "valueAxisLabel": "%s",
            "yaxisPrefix": "",
            "showLegend": "",
            "showValueLabel": "true",
            "stack": "",
            "horizontal": "true",
            "chartWidth": "100%%",
            "chartHeight": "80%%",
            "colors": "",
            "query": "SELECT d.date_field, COUNT(fd.dateCreated) AS 'Number'\nFROM\n(\n    SELECT\n
MAKEDATE(IF(('#requestParam.year?sql#' REGEXP '^[0-9]{4}$'), '#requestParam.year?sql#' , '#date.yyyy?sql#'),1)
+\n        INTERVAL (IF(('#requestParam.month?sql#' REGEXP '^[0-9]{2}$'), '#requestParam.month?sql#' , '#date.
MM?sql#') -1) MONTH +\n        INTERVAL daynum DAY date_field\n    FROM\n    (\n        SELECT t*10+u
daynum\n        FROM\n            (SELECT 0 t UNION SELECT 1 UNION SELECT 2 UNION SELECT 3) A,\n
(SELECT 0 u UNION SELECT 1 UNION SELECT 2 UNION SELECT 3\n            UNION SELECT 4 UNION SELECT 5 UNION
SELECT 6 UNION SELECT 7\n            UNION SELECT 8 UNION SELECT 9) B\n        ORDER BY daynum\n    ) AA\n)
d\nLEFT JOIN \n(\n\t  select dateCreated FROM app_fd_%s\n) fd\nON d.date_field=DATE_FORMAT(fd.dateCreated,'%%Y-
%%m-%%d')\nWHERE DATE_FORMAT(d.date_field,'%%m') = IF(('#requestParam.month?sql#' REGEXP '^[0-9]{2}$'),
'#requestParam.month?sql#' , '#date.MM?sql#')\nGROUP BY d.date_field\nORDER BY d.date_field desc",
            "customHeader": "<div class=\"filter\">\n    <form action=\"?\" method=\"GET\">\n        <label>%s:
<\/label><input name=\"year\" value=\"#requestParam.year?html#\"\/>   \n        <label>%s: <\
/label><select name=\"month\"\/>\n            <option value=\"01\">Jan<\/option>\n            <option value=\"
02\">Feb<\/option>\n            <option value=\"03\">Mar<\/option>\n            <option value=\"04\">Apr<\
/option>\n            <option value=\"05\">May<\/option>\n            <option value=\"06\">Jun<\
/option>\n            <option value=\"07\">Jul<\/option>\n            <option value=\"08\">Aug<\
/option>\n            <option value=\"09\">Sep<\/option>\n            <option value=\"10\">Oct<\
/option>\n            <option value=\"11\">Nov<\/option>\n            <option value=\"12\">Dec<\
/option>\n        <\/select>\n        <input type=\"submit\" value=\"%s\"\/>\n    <\/form>\n<\
/div>\n<script>\n    $(function(){\n        if ($(\"[name='year']\").val() === \"\") {\n            $(\"
[name='year']\").val(\"#date.yyyy#\");\n        }\n        if ($(\"[name='month']\").val() !== \"#requestParam.
month?javascript#\" \n            && '#requestParam.month?javascript#' !== \"\"\n            && $(\"
[name='month'] option[value='#requestParam.month?javascript#']\").length > 0 ) {\n            $(\"[name='month']
\").val('#requestParam.month?javascript#');\n        } else {\n            $(\"[name='month']\").val(\"#date.
MM#\");\n        }\n    });\n<\/script>\n<br\/>\n<br\/>",
            "customFooter": "",
            "datasource": "default",
            "keyName": ""
        }
    }]
}
```

c.

javax.servlet.http.HttpServletRequestjavax.servlet.http.HttpServletResponsejsp-apiPOM

```
<!-- Change plugin specific dependencies here -->
<dependency>
    <groupId>javax.servlet</groupId>
    <artifactId>jsp-api</artifactId>
    <version>2.0</version>
</dependency>
<!-- End change plugin specific dependencies here -->
```

d. (i18n)

getLabelgetDescriptioni18ni18n

"form_submission_statistics_generator / src / main""resources / messages""FormSubmissionStatisticsGenerator.properties"

```
org.joget.tutorial.FormSubmissionStatisticsGenerator.pluginLabel=Generate Form Submission Statistics
org.joget.tutorial.FormSubmissionStatisticsGenerator.pluginDesc=Generate 2 SQL Chart Menus for form submission
statistics
generator.formSubmissionStatistics.explanation=Create 2 SQL Chart Menus based on the current form for
submission statistics. Note: This is dependent for MySQL database.
generator.formSubmissionStatistics.config=Options
generator.formSubmissionStatistics.userview=Userview
generator.formSubmissionStatistics.advanced=Advanced
generator.formSubmissionStatistics.label.options=Label Options
generator.formSubmissionStatistics.categoryLabel=Category Label
generator.formSubmissionStatistics.categoryLabel.value=[formName] Statistics
generator.formSubmissionStatistics.menuId.invalidId=Only alpha-numeric and underscore characters allowed
generator.formSubmissionStatistics.monthlyMenuId=Monthly Menu id
generator.formSubmissionStatistics.monthlyMenuLabel=Montly Menu Label
generator.formSubmissionStatistics.monthlyMenuLabel.value=Monthly Submission Chart
generator.formSubmissionStatistics.monthlyChartTitle=Montly Chart Title
generator.formSubmissionStatistics.monthlyChartTitle.value=[formName] Monthly Submission Chart
generator.formSubmissionStatistics.monthlyXAxisLabel=Montly X-axis Label
generator.formSubmissionStatistics.monthlyXAxisLabel.value=Month
generator.formSubmissionStatistics.dailyMenuId=Daily Menu Id
generator.formSubmissionStatistics.dailyMenuLabel=Daily Menu Label
generator.formSubmissionStatistics.dailyMenuLabel.value=Daily Submission Chart
generator.formSubmissionStatistics.dailyChartTitle=Daily Chart Title
generator.formSubmissionStatistics.dailyChartTitle.value=[formName] Daily Submission Chart
generator.formSubmissionStatistics.dailyXAxisLabel=Daily X-axis Label
generator.formSubmissionStatistics.dailyXAxisLabel.value=Date
generator.formSubmissionStatistics.yAxisLabel=Y-axis Label
generator.formSubmissionStatistics.yAxisLabel.value=Number
generator.formSubmissionStatistics.yearLabel=Year Label
generator.formSubmissionStatistics.yearLabel.value=Year
generator.formSubmissionStatistics.monthLabel=Month Label
generator.formSubmissionStatistics.monthLabel.value=Month
generator.formSubmissionStatistics.showLabel=Show Label
generator.formSubmissionStatistics.showLabel.value=Show
generator.formSubmissionStatistics.useriewMenu.options=Userview Label Options
generator.formSubmissionStatistics.createUserviewOptions=Create New Userview Options
generator.formSubmissionStatistics.userview.id=Userview ID
generator.formSubmissionStatistics.userview.id.value=v
generator.formSubmissionStatistics.userview.id.invalidId=Only alpha-numeric and underscore characters allowed
generator.formSubmissionStatistics.userview.name=Userview Name
generator.formSubmissionStatistics.userview.name.value=[appName]
generator.formSubmissionStatistics.userview.description=Userview Description
generator.formSubmissionStatistics.msg.success=Menus generated. Click <a href="[url]" target="_blank">here</a>
to continue edit in Userview Builder.
generator.formSubmissionStatistics.msg.error=Error during generating Form Submission Statistics Menus!
```

e. Felix

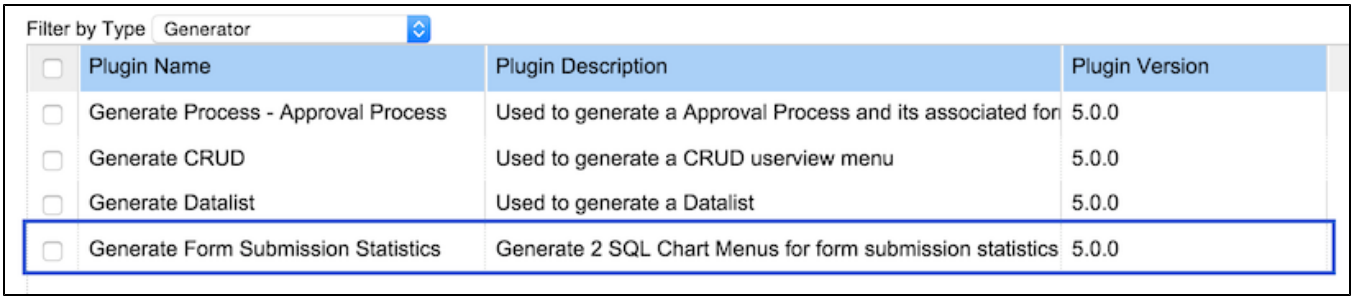
ActivatorFelix

```
    public void start(BundleContext context) {
        registrationList = new ArrayList<ServiceRegistration>();
        //Register plugin here
        registrationList.add(context.registerService(FormSubmissionStatisticsGenerator.class.getName(), new
FormSubmissionStatisticsGenerator(), null));
    }
```

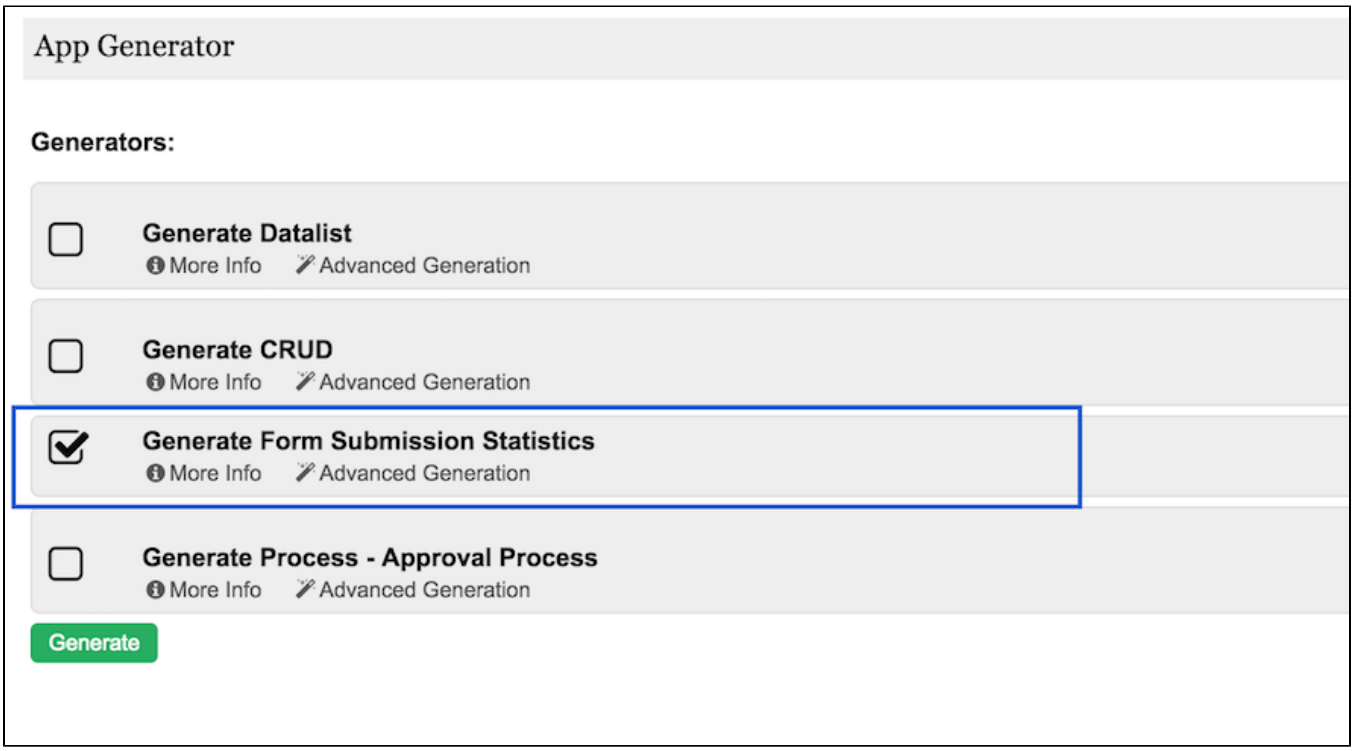
f.

"form_submission_statistics_generator / target""form_submission_statistics_generator-5.0.0.jar"

jar jar

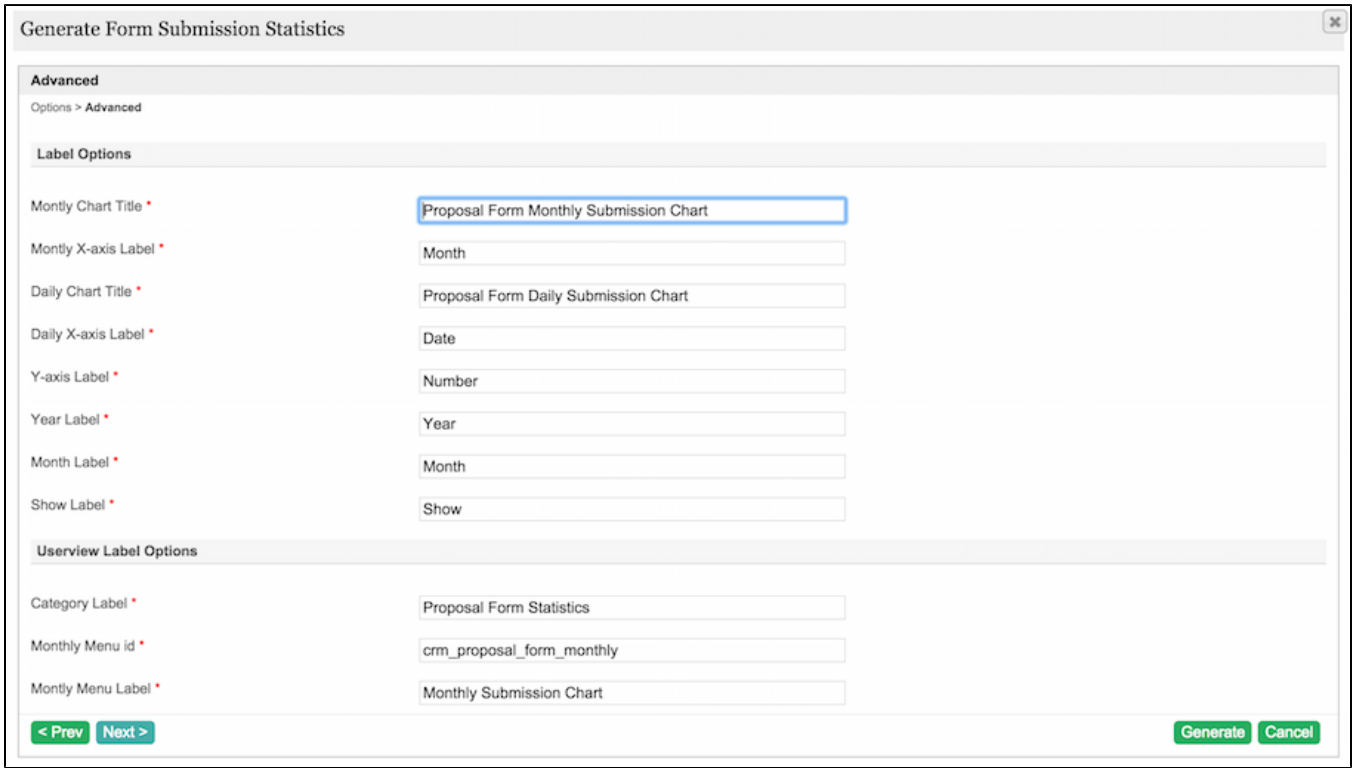


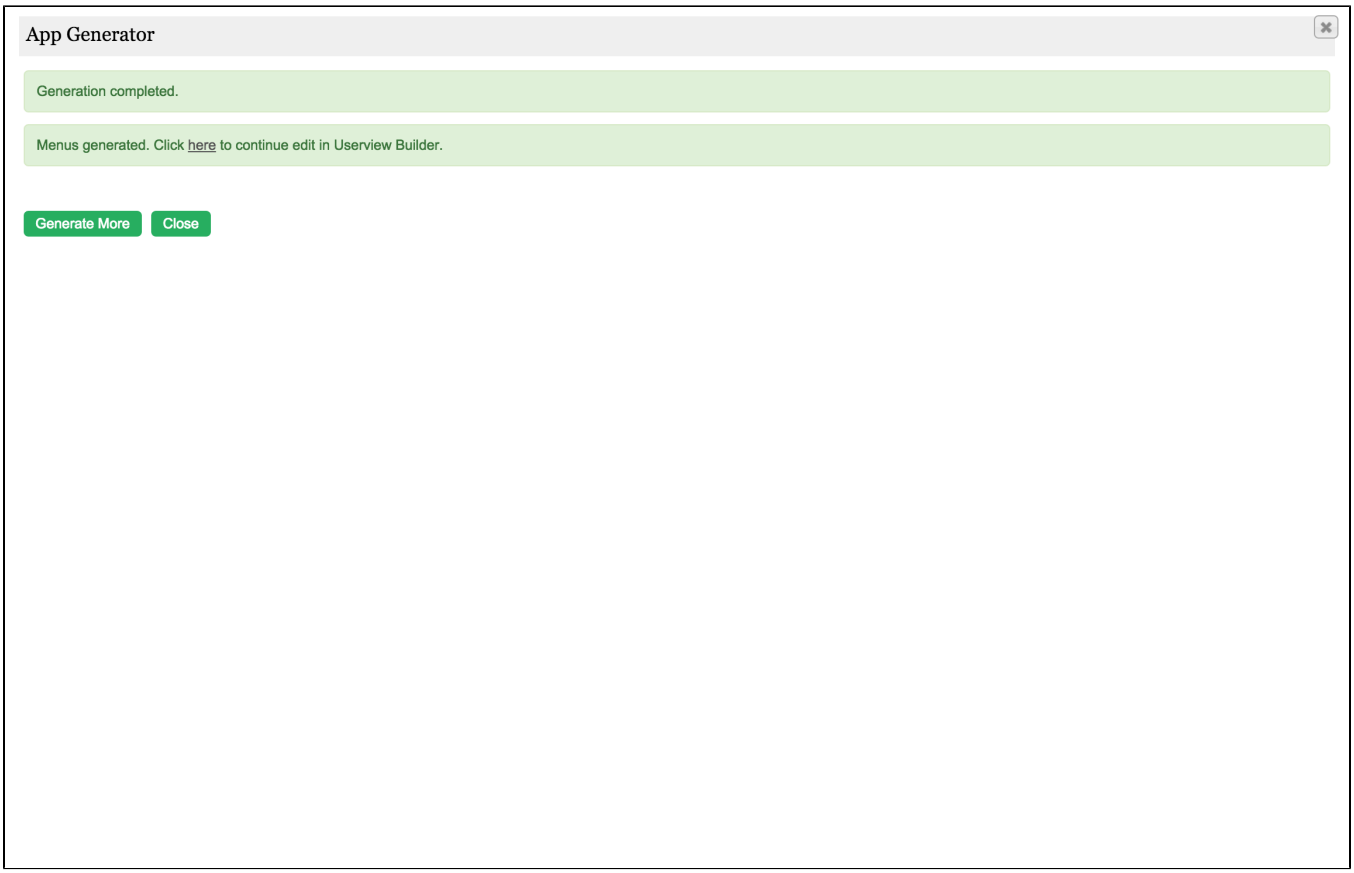
Form BuilderForm Builder“Generate App”

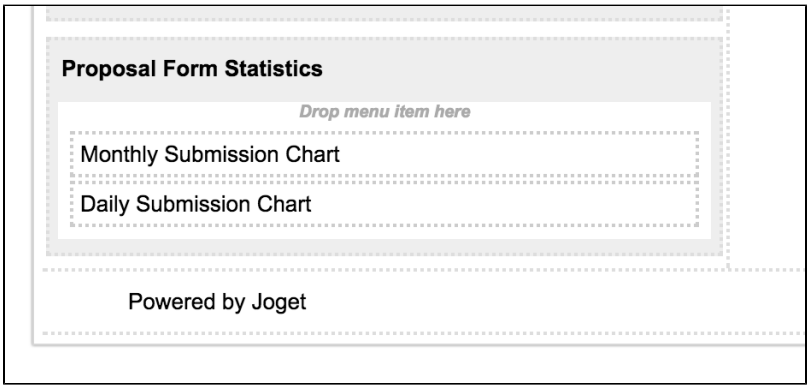


“ ”

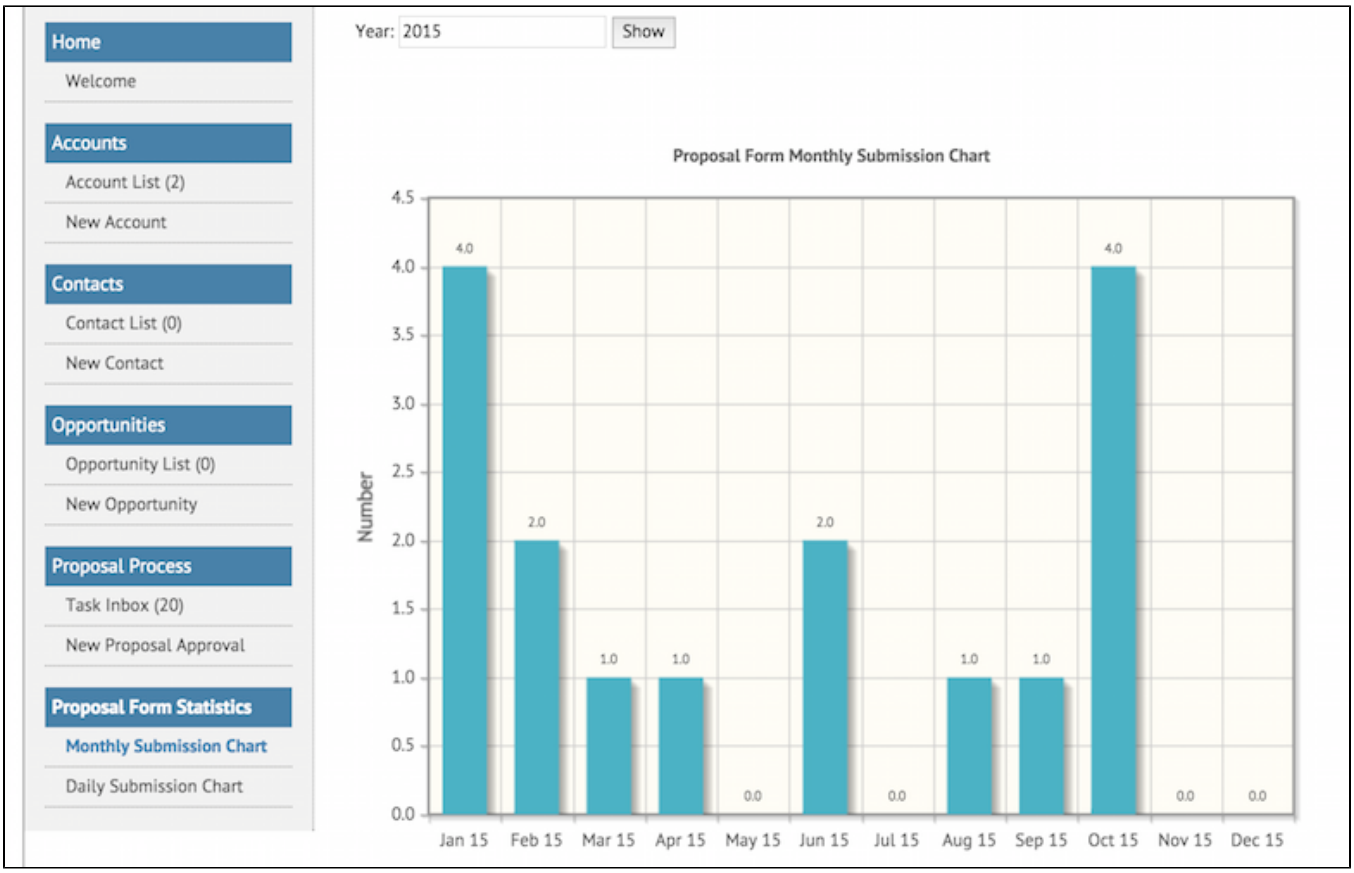
Generate Form Submission Statistics
Options
Options > Advanced
Userview
CRM: Sales Force Automation
< Prev
Next >
Generate
Cancel

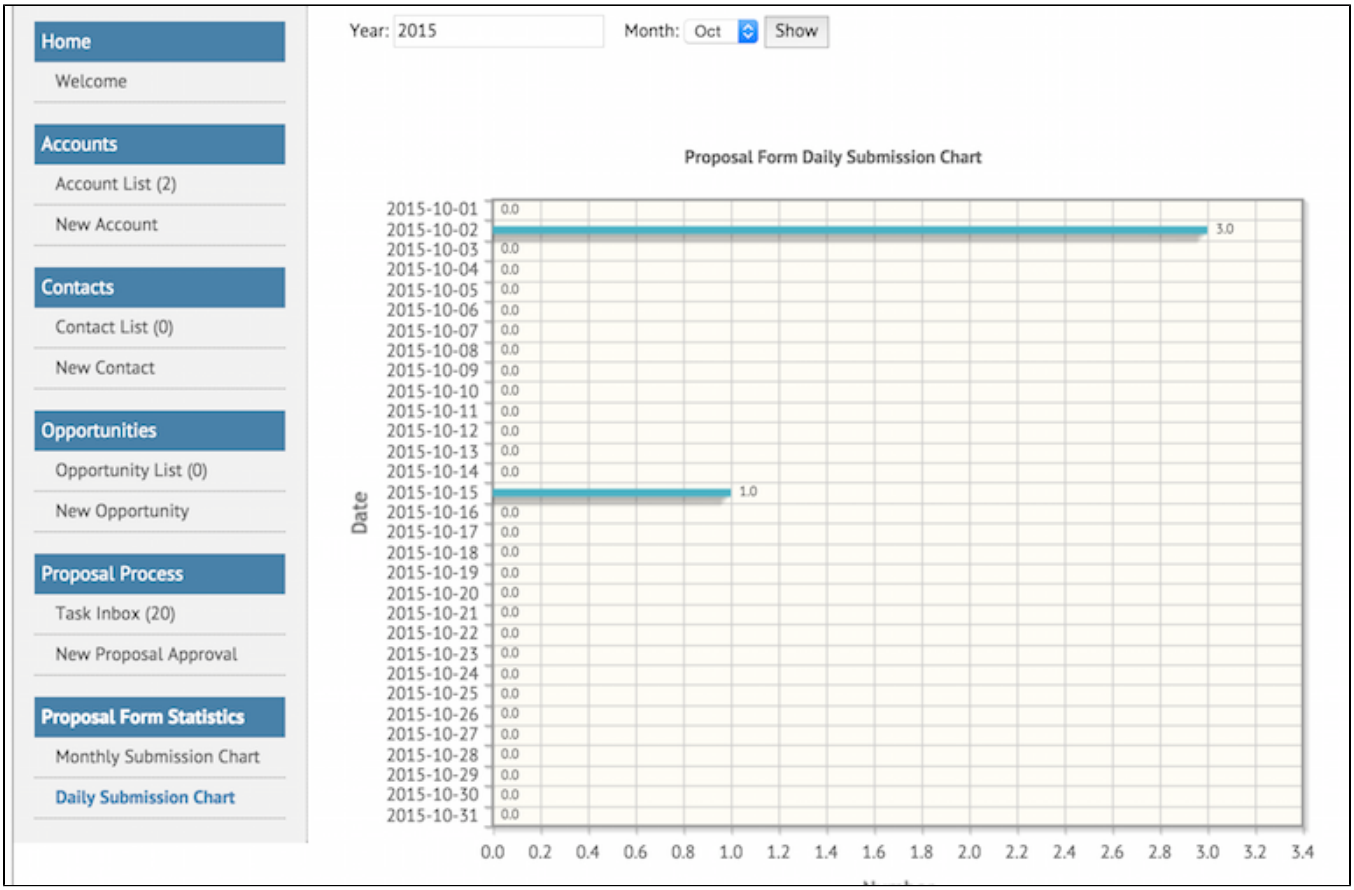

Generate Form Submission Statistics
Advanced
Options > Advanced
Label Options
Montly Chart Title *
Proposal Form Monthly Submission Chart
Montly X-axis Label *
Month
Daily Chart Title *
Proposal Form Daily Submission Chart
Daily X-axis Label *
Date
Y-axis Label *
Number
Year Label *
Year
Month Label *
Month
Show Label *
Show
Userview Label Options
Category Label *
Proposal Form Statistics
Monthly Menu id *
crm_proposal_form_monthly
Montly Menu Label *
Monthly Submission Chart
< Prev
Next >
Generate
Cancel


App Generator
Generation completed.
Menus generated. Click here to continue edit in Userview Builder.
Generate More
Close


Proposal Form Statistics
Drop menu item here
Monthly Submission Chart
Daily Submission Chart
Powered by Joget

SQL


Home
Welcome
Accounts
Account List (2)
New Account
Contacts
Contact List (0)
New Contact
Opportunities
Opportunity List (0)
New Opportunity
Proposal Process
Task Inbox (20)
New Proposal Approval
Proposal Form Statistics
Monthly Submission Chart
Daily Submission Chart
Year: 2015
Show
Proposal Form Monthly Submission Chart
Number
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
4.0
2.0
1.0
1.0
0.0
2.0
0.0
1.0
1.0
4.0
0.0
0.0
Jan 15
Feb 15
Mar 15
Apr 15
May 15
Jun 15
Jul 15
Aug 15
Sep 15
Oct 15
Nov 15
Dec 15


Home
Welcome
Accounts
Account List (2)
New Account
Contacts
Contact List (0)
New Contact
Opportunities
Opportunity List (0)
New Opportunity
Proposal Process
Task Inbox (20)
New Proposal Approval
Proposal Form Statistics
Monthly Submission Chart
Daily Submission Chart
Year: 2015
Month: Oct
Show
Proposal Form Daily Submission Chart
Date
2015-10-01
2015-10-02
2015-10-03
2015-10-04
2015-10-05
2015-10-06
2015-10-07
2015-10-08
2015-10-09
2015-10-10
2015-10-11
2015-10-12
2015-10-13
2015-10-14
2015-10-15
2015-10-16
2015-10-17
2015-10-18
2015-10-19
2015-10-20
2015-10-21
2015-10-22
2015-10-23
2015-10-24
2015-10-25
2015-10-26
2015-10-27
2015-10-28
2015-10-29
2015-10-30
2015-10-31
3.0
1.0
0.0 0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.2 3.4

8.

form_submission_statistics_generator.zip

jarhttp://marketplace.joget.org/