

intra-mart Accel Platform/Accel Series 2020Summer



NTT DATA INTRAMART CORP.





Agenda

1 System Requirements

2 Platform

3 IM-Workflow/IM-BIS/
IM-FormaDesigner

4 IM-BPM

5 UI-related

6 IM-BloomMaker

7 OEM

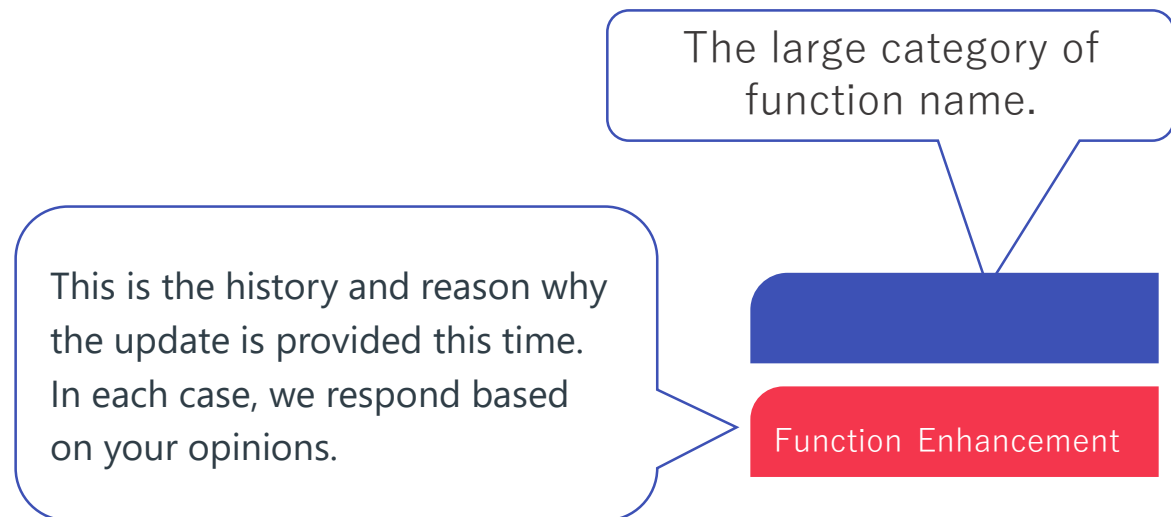


How to read each requirements explanation page

Corresponds to ◆◆◆

- ○○○○○○
- △△△
- □□□

This document describes each requirement point information. For more information, please refer to intra-mart requirements information disclosure site or each product document.

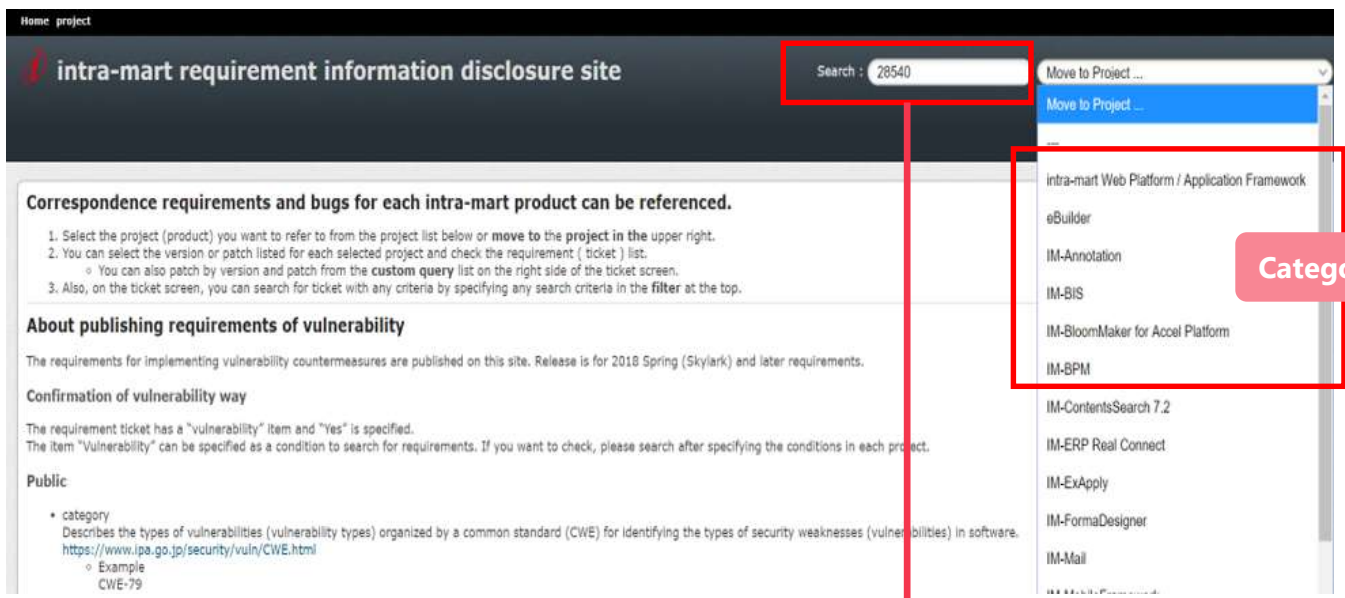




How to read each requirements explanation page

intra-mart requirements information disclosure site (<https://issue.intra-mart.jp/>)

This document describes the various information posted on the requirements information disclosure site. (Example: # 28540). Please make effective use of the following categories and searches.



Category

Category
<https://issue.intra-mart.jp/projects/iap>
<https://issue.intra-mart.jp/projects/iac>
<https://issue.intra-mart.jp/projects/bpm>
By product

You can search by ticket number.



Ticket number



2020 Summer corresponded requirements

Product/Function	Requirements URL
intra-mart Accel Platform	https://issue.intra-mart.jp/projects/iap/issues?query_id=597
e Builder	https://issue.intra-mart.jp/projects/ebuilder/issues?query_id=582
IM-BIS	https://issue.intra-mart.jp/projects/bis/issues?query_id=583
IM-BPM	https://issue.intra-mart.jp/projects/bpm/issues?query_id=585
IM-FormaDesigner	https://issue.intra-mart.jp/projects/forma/issues?query_id=586
IM-BloomMaker for Accel Platform	https://issue.intra-mart.jp/projects/bloommaker/issues?query_id=584
IM-Spreadsheet for Accel Platform	https://issue.intra-mart.jp/projects/spreadsheet/issues?query_id=592
intra-mart Accel Collaboration	https://issue.intra-mart.jp/projects/iac/issues?query_id=594
intra-mart Accel Archiver	https://issue.intra-mart.jp/projects/iaa/issues?query_id=605

1

System Requirements

System requirements

- Server Requirements
 - Application Server
 - Changed Payara Server 5.194 → Payara Server Enterprise
- Client Requirements
 - Changed Chrome and Edge version 80 → 83

Verification environment

- Verification environment combinations

OS	Web	AP	DB	JDK
Amazon Linux2	Apache	Resin 4.0.64	Oracle 19c	Amazon Corretto 11
Windows Server 2019	Apache	Resin 4.0.64	SQL Server 2017	Oracle JDK 11
RHEL 7.8	Apache	Payara Server Community 5.2020.2	Amazon RDS Postgresql 11	OpenJDK 11
RHEL 7.8	-	Resin 4.0.64	PostgreSQL 11 Oracle 19c SQL Server 2017	Open JDK 11
RHEL 7.8	-	Payara Server Community 5.2020.2	PostgreSQL 11 Oracle 18c SQL Server 2017	Open JDK 11
RHEL 7.8	-	Weblogic 12c	Oracle 19c PostgreSQL 11	Oracle JDK 8
RHEL 7.8	-	WebSphere 9.0.5	Oracle 18c Postgresql 11	IBM Java SDK 8

***Installation of Web server is mandatory in the production environment.**

2

Platform

About notification setting of IM-Notice

Message notification might not be received from FCM in IM-Notice for Android.

- Notification will be received in the background by applying this modification. However, **migrating from Google Cloud Messaging (GCM) to Firebase Cloud Messaging (FCM) is required** to apply this modification.
- Migrating from GCM to FCM is mandatory due to the below reason.
 - GCM is already ended its services and migrating to FCM is recommended.
- Confirmation items:
 - Please note that settings are required after updating.
 - Failed to start when settings related to GCM is remained and settings related to FCM is not made after updating.

IM-Notice

Function Improvement

Improvement relating to user profile images

REST API relating to user profile images is improved.

- New REST API which is improved the existing one relating to the user profile images is provided.
 - Improve endpoint
 - Set the default value when parameter is not specified
 - Return the No Image when a profile image is not registered
 - Corresponding to the Basic authentication and OAuth authentication
 - New Java API and SSJS API are provided, which is corresponding to the REST API
- Also improve the existing API.
 - Corresponding to the Basic authentication and OAuth authentication

Improvement relating to user profile images

Profile images are set for sample users in the initial settings.



Sample company
President
Harada



Sample company
(No job title)
Aoyagi



Sample company
(No job title)
Oiso



Sample company
(No job title)
Sekine

IM-Common Master

Function Improvement

About data output of aggregated list/summary

Enable to choose any time zone and output data by displaying the aggregated list and summary screen and CSV output.

It is improved to choose any time zone and output data when "Screen display" or "CSV output" is executed in the aggregated list or summary including the column of the date type/time stamp type.

The screenshot shows the 'Error log' interface. At the top, there are navigation icons for 'CSV output' and 'Time zone settings'. Below this, there are two dropdown menus for time zone selection. The 'Screen display' dropdown is set to '(Default)(GMT+09:00) Japan / Tokyo'. The 'CSV output' dropdown is set to '(Default)(GMT+00:00) UTC'. There is also a checkbox labeled 'Time zone same as screen display' which is currently unchecked. Below the settings, there is a table with columns 'log_level', 'log_timestamp', and 'log_message'. The table contains four rows of error logs, all with the level 'ERROR' and timestamp '2020/06/30 15:28:38'. The messages are '8fnaxqwt7k5tm0 - [] query is not found. : getschedule' and three instances of '8fnazm6zs7m8wm0 - [] Invalid date data. : /06/29'. A red box highlights the time zone settings area.

log_level	log_timestamp	log_message
ERROR	2020/06/30 14:36:15	8fnaxqwt7k5tm0 - [] query is not found. : getschedule
ERROR	2020/06/30 15:28:38	8fnazm6zs7m8wm0 - [] Invalid date data. : /06/29
ERROR	2020/06/30 15:28:38	8fnazm6zs7m8wm0 - [] Invalid date data. : /06/29
ERROR	2020/06/30 15:28:38	8fnazm6zs7m8wm0 - [] Invalid date data. : /06/29

ViewCreator

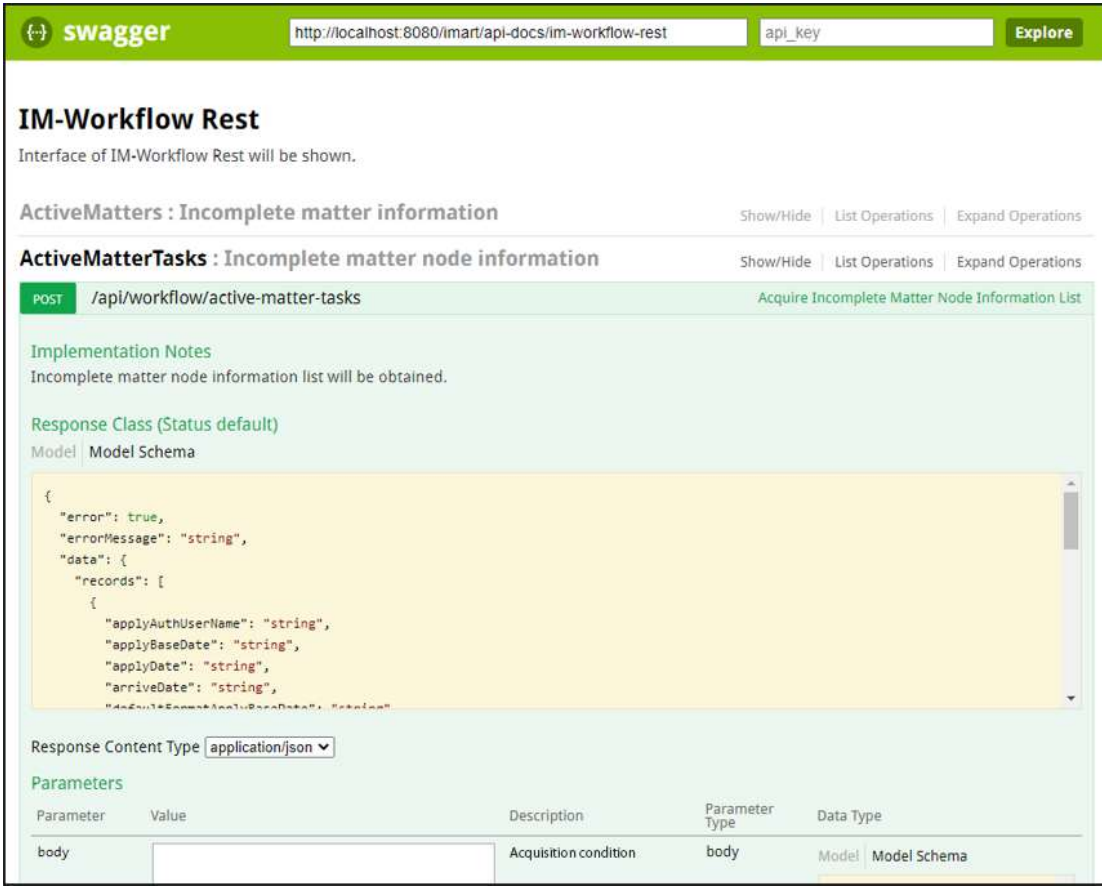
Function Improvement

3

IM-Workflow/IM-BIS/ IM-FormaDesigner

REST API (IM-BloomMaker)

Release of REST API which can be used in IM-BloomMaker (enable to use in the scratch development)



- Release of REST API which is using in the SPA development screen such as the list of matters or process modal
- The matter information, process history information, attached file information and so on can be acquired in the REST API.
- It can be used from "Send request to the URL" action of IM-BloomMaker.

Function name : BM action
 Function Improvement

Release of CSJS API

Released REST API is used inside to disclose CSJS script, which is to perform various processing and display a process modal.

```

<script type="text/javascript"> // Displaying process for a process modal
  imWorkflow.modal.showProcess({
    processParameter: {
      interfaceControl: {
        processComment: {
          display: false  }},
      optionalParameter: {},
      rebootModal: false  })
    .then(function(result) {
      if (result.isProcessDone) {  } // A post-processing for the case that the process is
      successfully performed is described here.

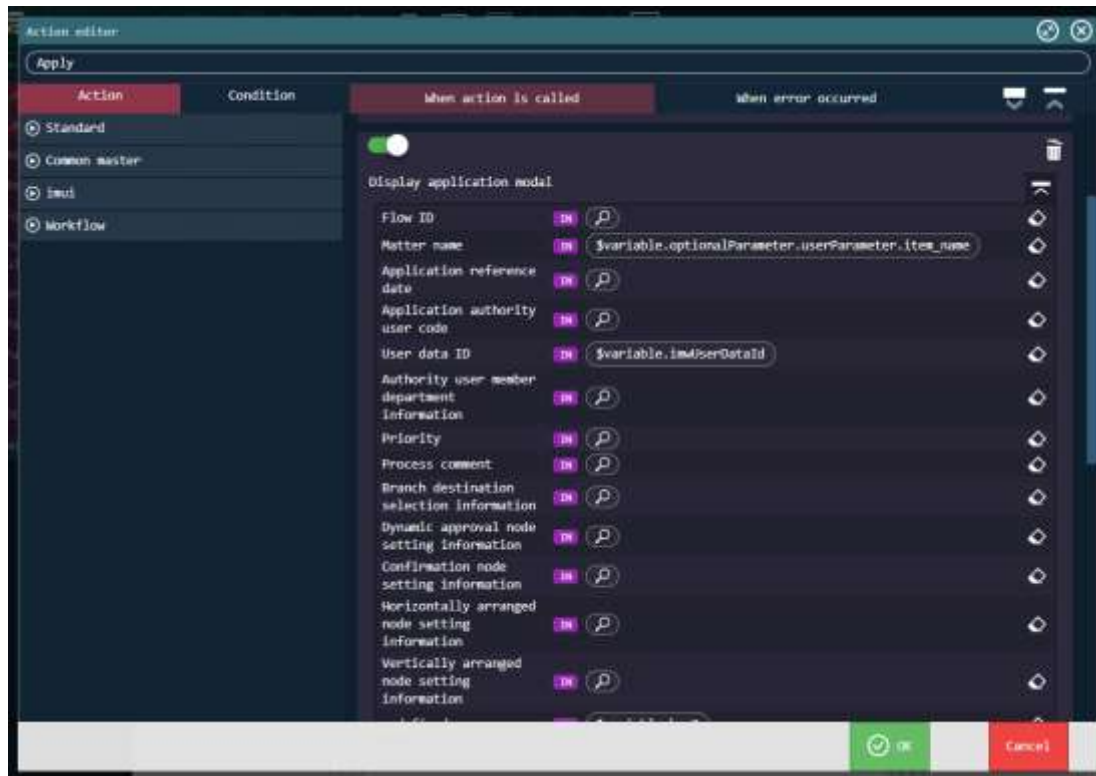
      imWorkflow.transition.afterProcess(); // Screen transfer after process execution of
      the modal
    });
  
```

**Function Name : WF
Process Modal**

Function Improvement

Add detail parameter to process modal

A parameter to control screen items in more detail is added to an action to display a process modal of IM-BloomMaker.



Parameters to control the following can be set to each item of a process modal.

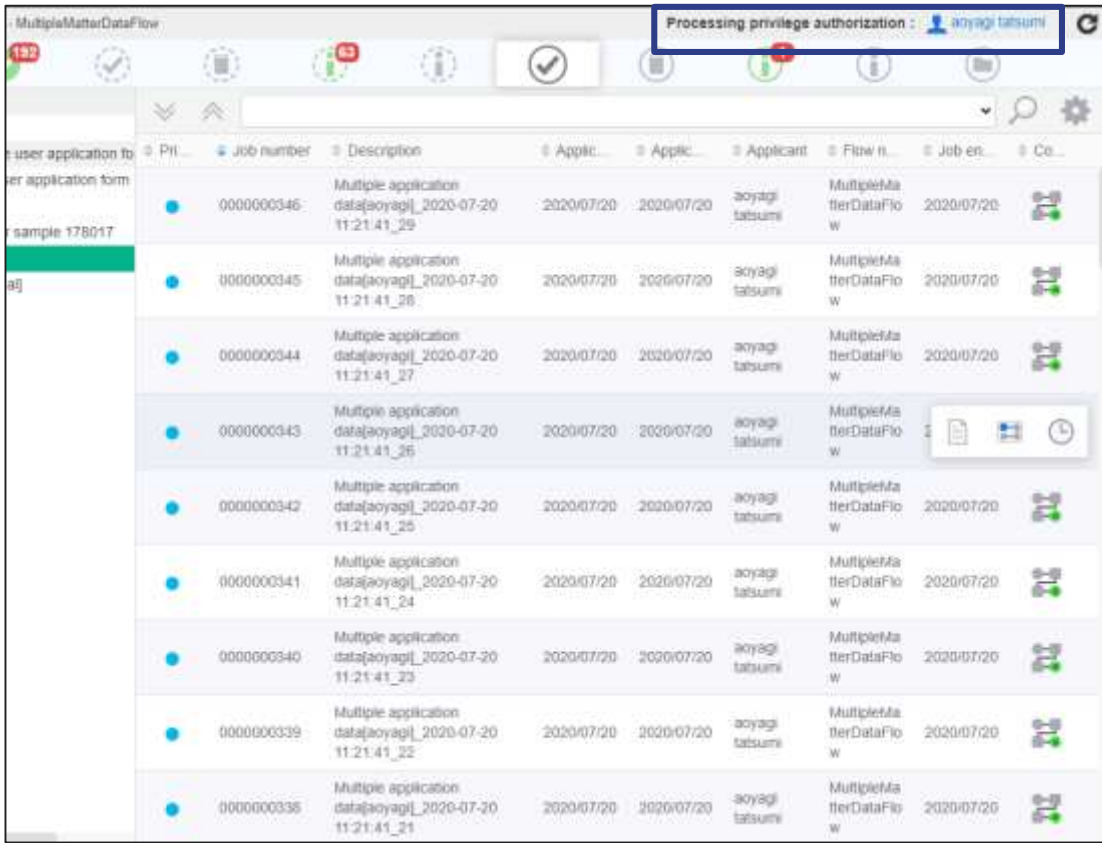
- Show/Hide
- Initial value (only for items which can be input)
- Editability (only for items which can be input)
- Mandatory (only for items which can be input)
- Display an arbitrary message in a dynamic approval/vertical arrangement/horizontal arrangement node

Function Name : BM
Action

Function Improvement

Support department-filtering function in matter list screen

Option to filter by a current membership department of a logged-in user is added to the matter list screen.



Only matters processed by the logged-in user's membership department (including a membership other than default department settings) at the point of system date and time.

List of filtering targets

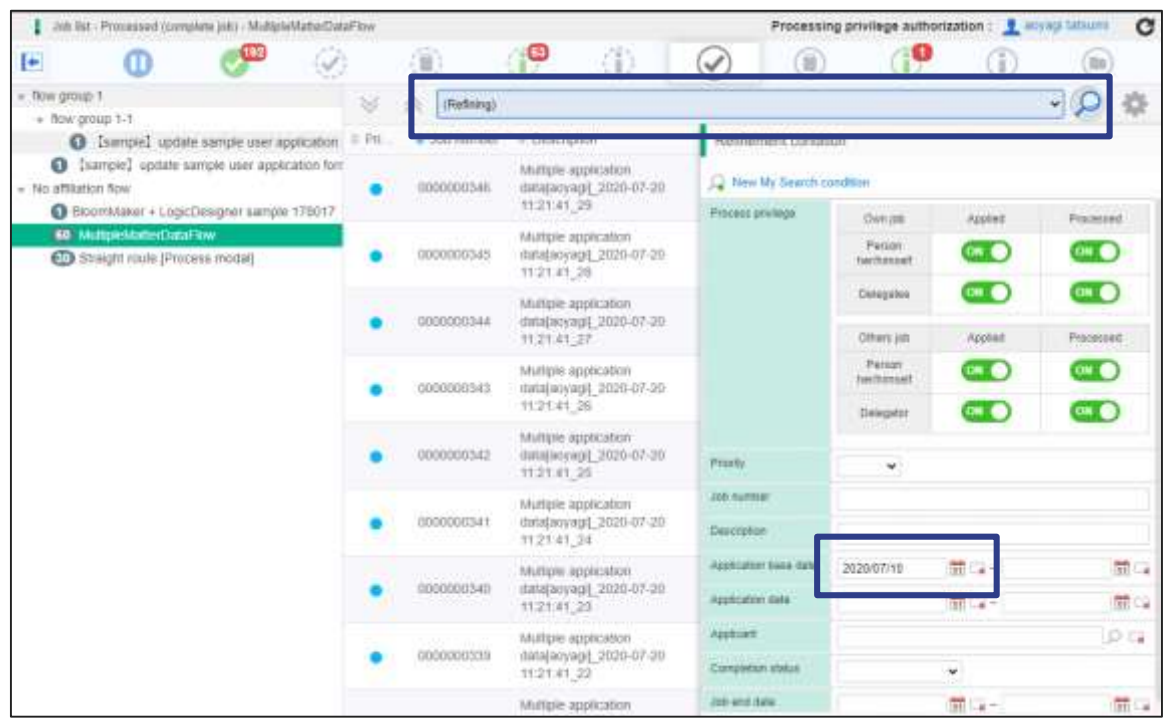
- Processed (incomplete matter)
- Processed (complete matter)
- Past matter

Function Name : Matter List

Function Expansion

Change icon color when refining condition is set

The color of an icon is changed when the refining condition is set in the matter list screen.



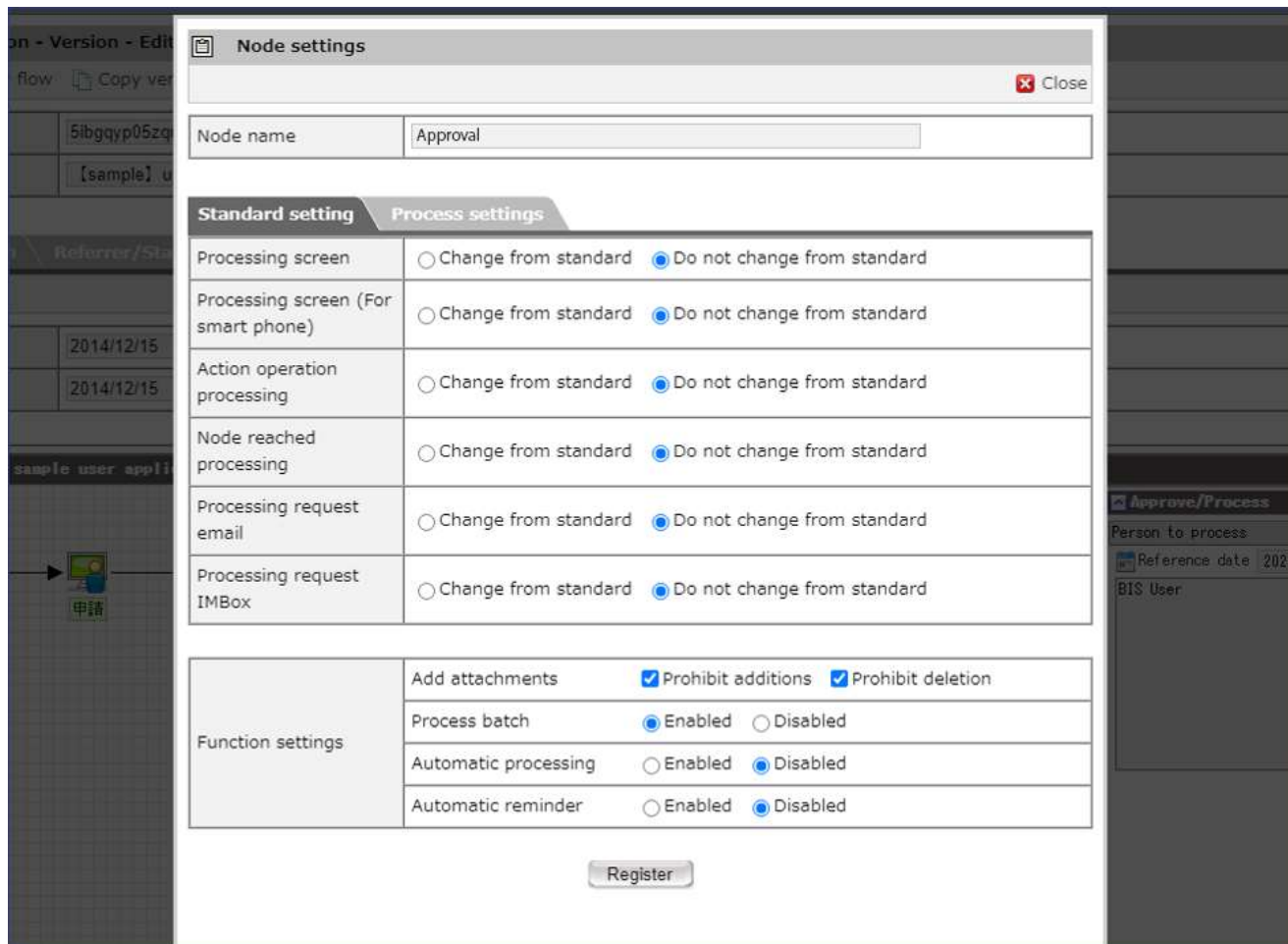
- You can easily distinguish it when the refining condition is set.

Function Name : Matter List

Function Improvement

User contents for smart phone can be set in content details of flow definition

User contents for smart phone can be set in the content details of the flow definition.



Function Name : WF
 Contents

Function Improvement

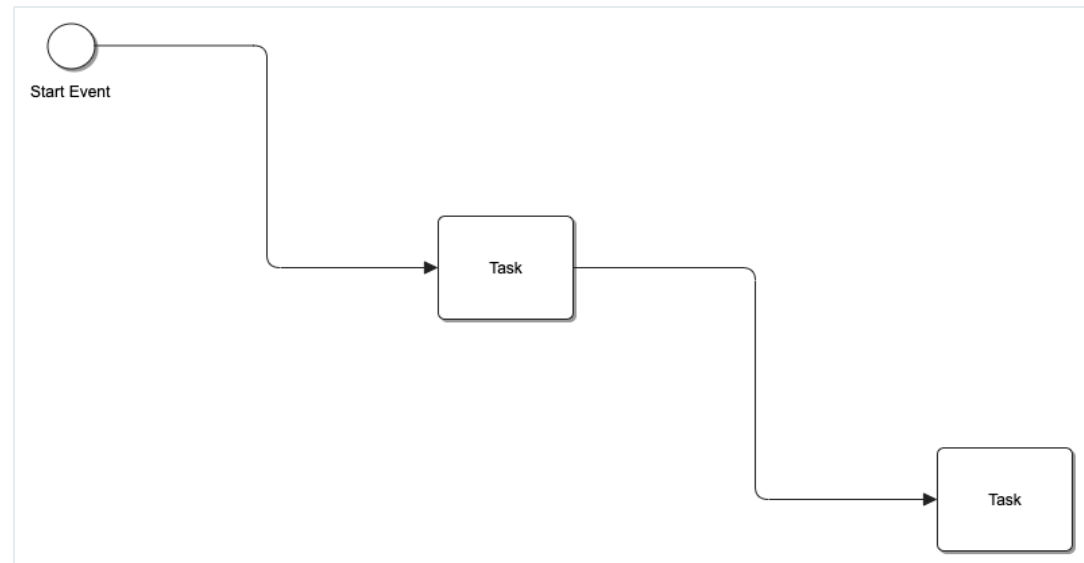
4

IM-BPM

Support elbow-line style in processing editor

Elbow line is added to the connection style of the process diagram.

- Elbow line can be used as the connection style (sequence flow/related connectors/message flow) when creating a process diagram.
- Either of the elbow-line style or straight-line style can be chosen. Elbow line is set by default.

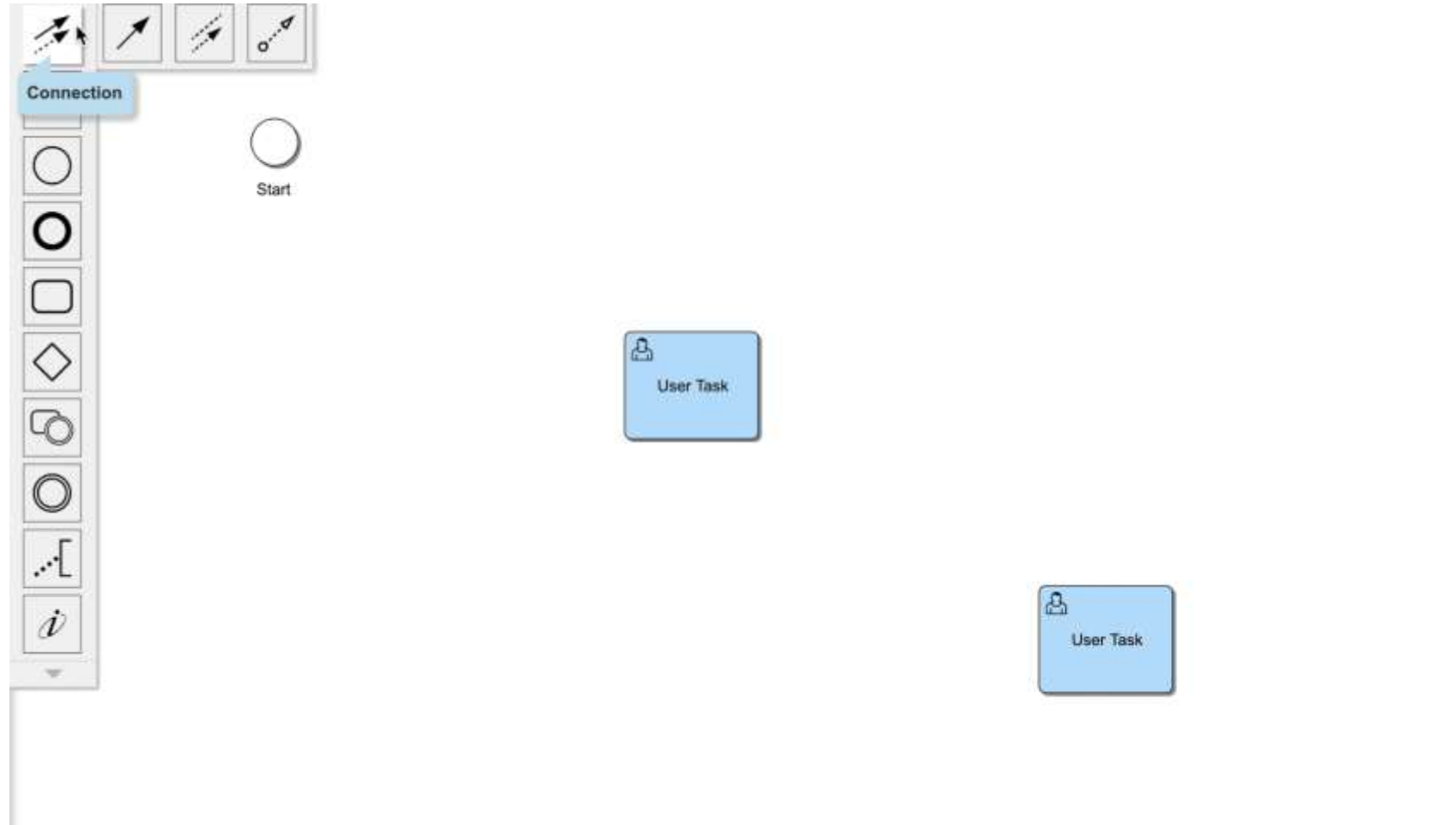


Process Designer

Function Enhancement

Support elbow-line style in processing editor

Elbow line is added to the connection style of the process diagram.



Process Designer

Function Enhancement

Performance improvement

Lock mechanism of an asynchronous job/timer job is improved.

It is improved not to accept a job processing request when the thread pool is exhausted to avoid locking a job unintentionally.

Process Execution
Function

Function Improvement

Dashboard improvement

A table specification of IM-BPM runtime is released.

We provide the table specification of IM-BPM runtime in both the TableMaintenance table definition specification and Excel formats.

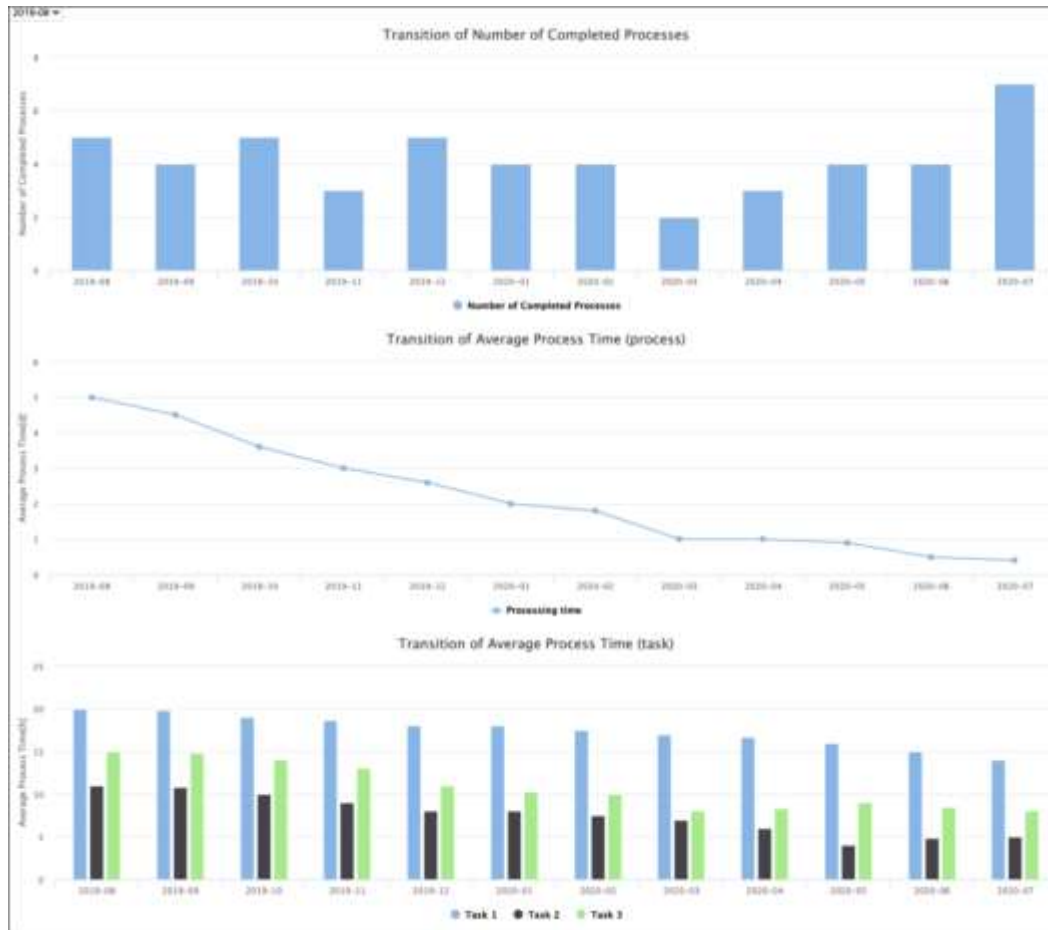
Table definition specifications		Table logical name				Table physical name			
Description		Activity instance history				act_hi_actinst			
Activity execution history table									
No.	Name	Physical name	Type	Size	Primary key	Foreign key	NOT NULL	Description	
1	ID	id_	Character string	64	●		●		
2	Process definition ID	proc_def_id_	Character string	64			●		
3	Process instance ID	proc_inst_id_	Character string	64			●		
4	Execution ID	execution_id_	Character string	64			●		
5	Activity ID	act_id_	Character string	255			●		
6	Task ID	task_id_	Character string	64					
7	Process instance ID for call activity	call_proc_inst_id_	Character string	64				Process instance ID of process called from call activity is set. This is set when activity is call activity.	
8	Activity name	act_name_	Character string	255					
9	Activity type	act_type_	Character string	255			●		
10	Assignee	assignee_	Character string	255				This is set only when activity is user task.	
11	Start time	start_time_	TIMESTAMP				●		
12	End time	end_time_	TIMESTAMP						
13	Elapsed time	duration_	Numeric value	19.0				Elapsed time from start time through end time (in millisecond)	
14	Tenant ID	tenant_id_	Character string	255				This value is always empty.	

Process Analyze Function

Document

Dashboard improvement

A sample of dashboard to control execution state of a process is added.



We provide a sample of the graph to display execution state of a process using an IM-BloomMaker graph element.

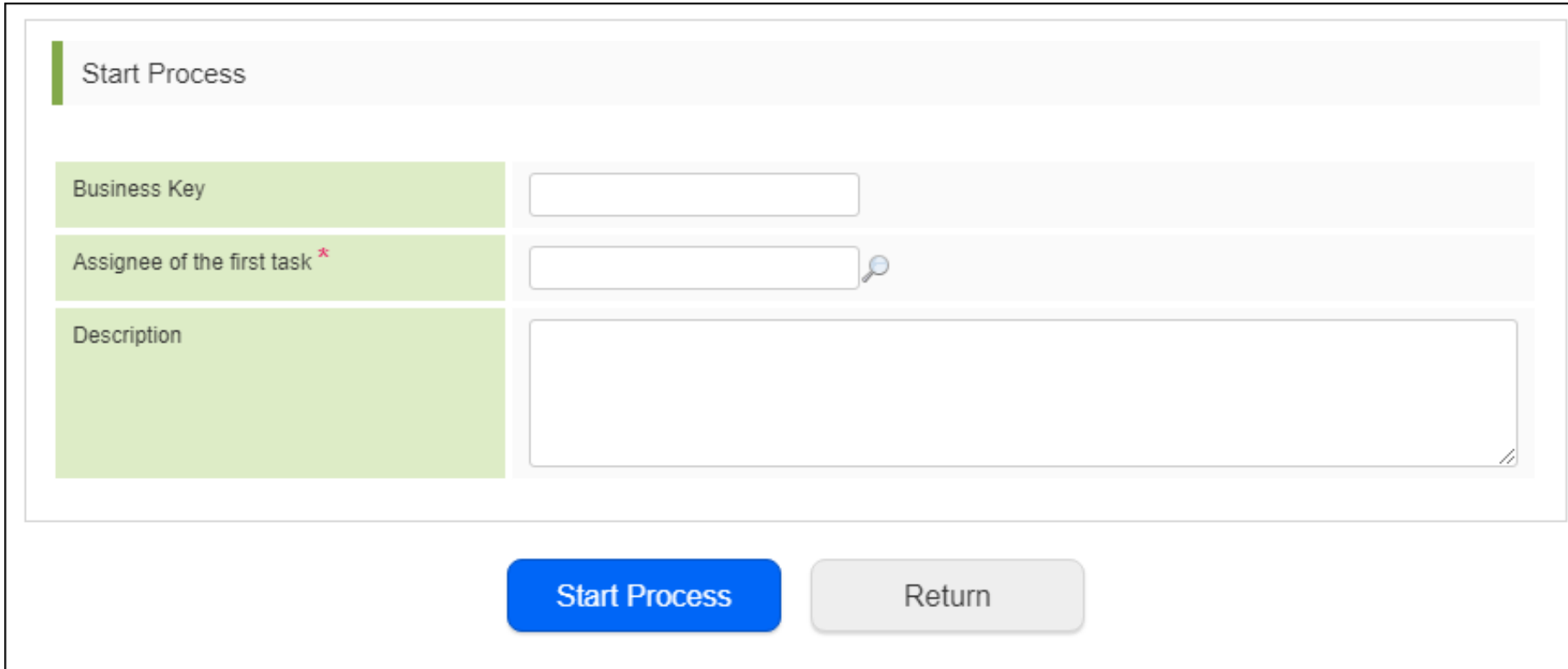
Process Analyze Function

Document

IM-BloomMaker linkage

Procedures and sample materials to create a form with IM-BloomMaker are provided.

We provide procedures and sample materials to create a form of a start event/user task with IM-BloomMaker.



Start Process

Business Key

Assignee of the first task*

Description

Start Process Return

Process Execution
Function

Document

IM-BloomMaker linkage

Procedures and sample materials to create a list screen with IM-BloomMaker are provided.

The screenshot shows a web application interface for 'Process List'. It features a search filter panel on the left with fields for Business Key, Process Definition ID, Process Definition Key, Process Definition Version, Process Definition Name, Category, Start Date, Status, and Definition Type. Below the filters is a table with the following data:

Business Key	Process Definition Name	Process Definition ID	Process Definition Key	Start Date	Completed Date	Status	Definition Type
	Sample process	lpm_fm_join_table3.8h12y2	lpm_fm_join_table	2020/06/25 17:11:18		Executing	Process
1.2.3	Business table JOIN process	lpm_fm_join_table1.8h12y2	lpm_fm_join_table	2020/06/22 13:12:21		Executing	Process
123	process_task	process_task4.8h12y2	process_task	2020/06/18 16:54:38		Executing	Process
xyz	process_error	process_error2.8h12y2	process_error	2020/06/15 17:38:35		In Failure	Process
456	process_task	process_task4.8h12y2	process_task	2020/06/15 17:25:37		Executing	Process
123	process_task	process_task1.8h12y2	process_task	2020/06/12 14:21:41		Executing	Process
accc	Case definition_2020-6-11	caseDefinition-1591542889-2.8h12y2	caseDefinition-1591542889	2020/06/11 11:37:22		In Failure	Case
abc	Case definition_2020-6-11	caseDefinition-1591542889-1.8h12y2	caseDefinition-1591542889	2020/06/11 11:36:14		In Failure	Case
	process_add_tasks	process_add_tasks2.8h12y2	process_add_tasks	2020/06/10 15:57:34		Executing	Process
aaa	process_add_tasks	process_add_tasks2.8h12y2	process_add_tasks	2020/06/10 15:57:29		Executing	Process

We release procedures and sample materials to create an add-on of the process list screen with IM-BloomMaker.

Patterns of data source

- IM-BPM REST API
- Logic flow (IM-BPM task)
- Logic flow (user definition "SQL")

Process Management
Function

Document

Release of how to use history/comment module

A programming guide for history/comment module is provided.

- We provide a programming guide to link the history/comment module to arbitrary application.
- With the above, we also provide an operation guide related to standard functions (comments/attached files) for users.

5

UI-related

Slim Side Menu theme improvement

Improvement related to Slim Side Menu theme is carried out.

- Improvement to make the menu information saved in a browser discarded at the timing of logging-out (discarding a value saved in sessionStorage).
- Improvement to make the side menu scrolled smoothly.
- Straitening the height of the content area with the menu both shown/hidden.
- Abolishing the animation of the menu opening/closing for iPad Safari.
- Change the location of an icon tool tip of the side bar to the right side.
- Improvement to make "site map" hidden when a user does not have the reference privilege for it.

※Please refer to the iAP release note for other design changes.

6

IM-BloomMaker

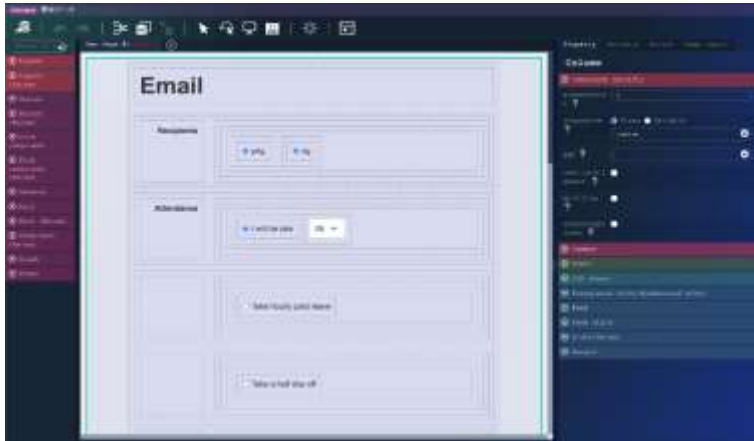
Offering content type "Bulma"

We offer things that adapts CSS framework "Bulma" as content type corresponding to responsive design.

Displayed on PC

One definition

Displayed on smartphone



IM-BloomMaker

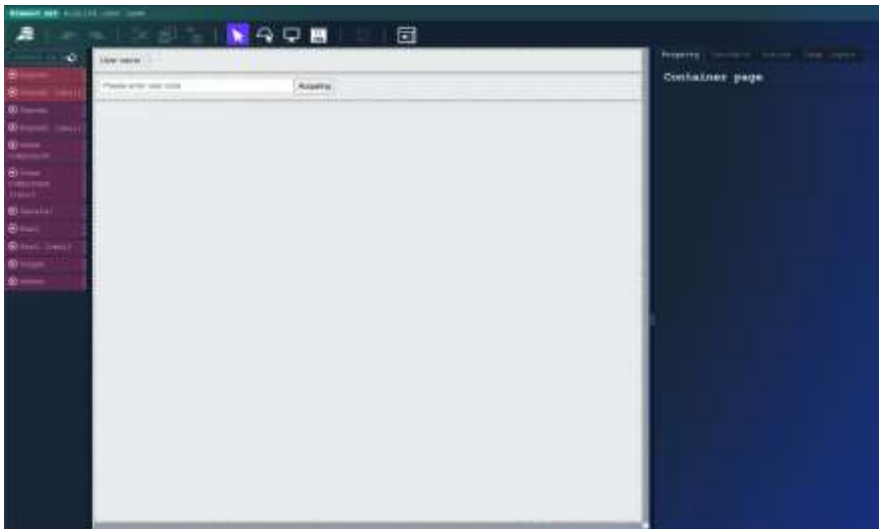
Function Enhancement

Offering template functions of an element

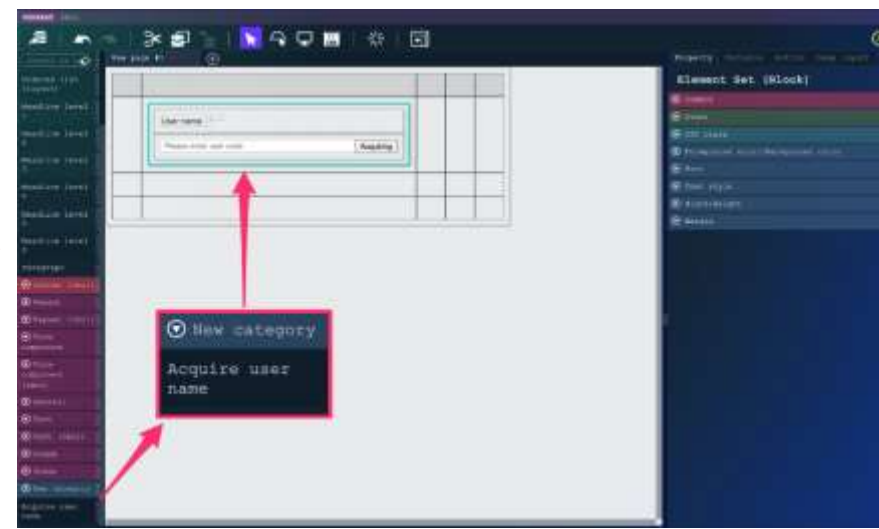
We offer the function to be able to use it from multiple contents with a template combined elements into a group.

- In addition to elements, variables and actions can also be included in the element set.
- If there is a conflict between the content and the element set, you can choose whether to migrate.

Put the elements together



Paste like a single element



IM-BloomMaker

Function Enhancement

Copying elements on the designer screen

For copying elements between tabs on the designer screen, we change the specification so that the linked actions and variables are not copied.

- In 2020 Spring, we released the copy function of elements between tabs, but we change the specification.
- Prevent variables and actions from being copied and pasted.

Settings of an action

Elements and actions for which the action is set will be displayed.

The screenshot shows the IM-BloomMaker interface. The main window displays a 'Search user' form with a table of users and a 'New Registration' button. The right sidebar shows the 'Property' panel for the 'Close Dialog' action, listing various elements and actions that can be triggered.

Process	Flow definition ID	Flow definition ID
Acquire user list	im_bloommaker_template_get_user	im_bloommaker/blank
Acquire number of users	im_bloommaker_template_get_user_count	im_bloommaker/blank
Register user	im_bloommaker_template_register_user	im_bloommaker/blank
Update user	im_bloommaker_template_update_user	im_bloommaker/blank
Delete user	im_bloommaker_template_delete_user	im_bloommaker/blank

Property Location of use Variable Action Page layout

- Usage location of action "Close Dialog"
- Element Action
- Container page (Reference)
 - Headline level 1 (small window)
 - Paragraph for small window
- Container page (Confirm Dialog)
 - Form container
 - Button
- Container page (Edit)
 - Headline level 1 (small window)
 - Paragraph for small window
 - Form container
 - Box
 - Button

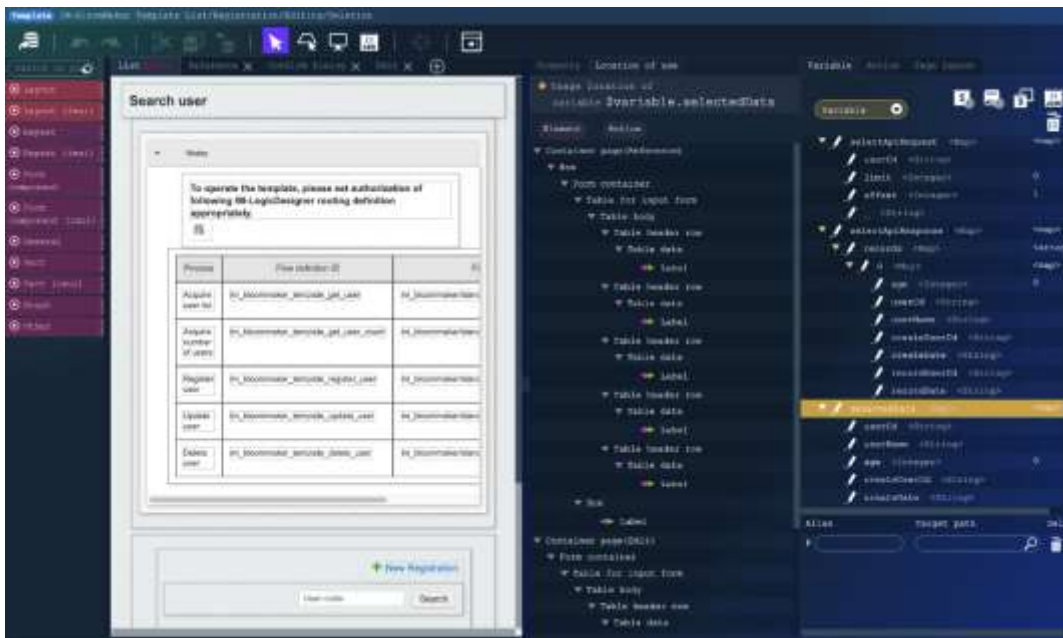
IB Operation
Number of Items Acquisition Process
Search Process
When "Previous 15 items" is Clicked
When "Next 15 items" is Clicked
When "Refer" is Clicked
When "Edit" is Clicked
Open Registration Confirmation Dialog
Open Deletion Confirmation Dialog
Open Update Confirmation Dialog
Close Dialog

IM-BloomMaker

Function Enhancement

Add the refactoring function of variable names

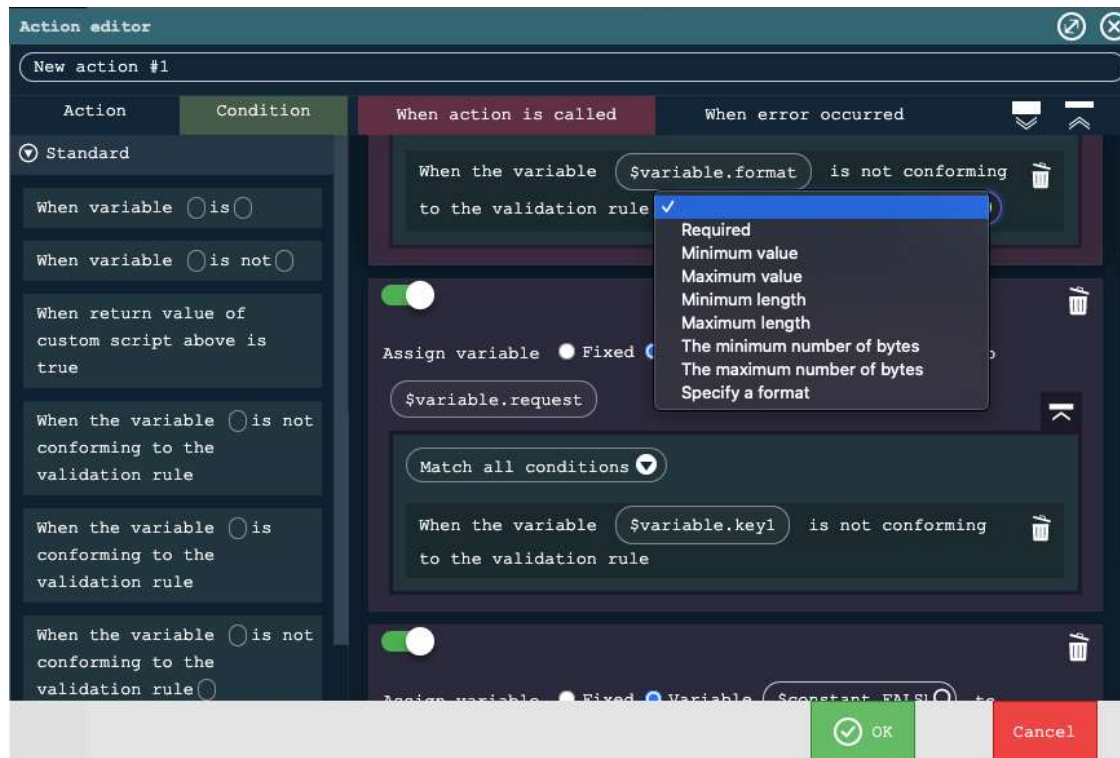
We add the function to refactor variable names to get clear where the variable is used.



- Elements and actions for which the variable are used will be displayed in a list.
- When you change the name of a variable, the variable name being used in is changed as much as possible.
- What is not being changed
 - Variable names used in custom scripts
 - Variable names used as part of the path of an alias

A mechanism for determining whether a variable is conforming to the validation rule

We offer a mechanism for determining whether a variable is conforming to the validation rule.



- A mechanism to determine whether a variable is conforming to the validation rule is provided as an execution condition of an action.

3 execution conditions to be provided are as follows:

- When the variable is not conforming to the validation rule
- When the variable is conforming to the validation rule
- When the variable is not conforming to the validation rule

Reference of information that depends on the execution environment

Information that depends on the execution environment is able to be treated as variables.

Information about the execution environment of the application screen, such as account context or user context is referred in IM-BloomMaker.

```
Variable/Constant/Input/Multilingual/Environment selector
Variable Constant Input Multilingual Environment
▼ $env <Map> <map>
  ▼ accountContext <Map> <map>
    ▼ applicationLicenses <String> <array>
      authenticated <Boolean value> true
      calendarId <String> JPN_CAL
    ▼ dateTimeFormats <Map> <map>
      IM_DATETIME_FORMAT_DATE_STANDARD <String> yyyy/MM/dd
      IM_DATETIME_FORMAT_TIME_TIMESTAMP <String> H:mm:ss
      IM_DATETIME_FORMAT_TIME_INPUT <String> HH:mm
      format-set-id <String> IM_DATETIME_FORMAT_SET_JA_BASE
      IM_DATETIME_FORMAT_TIME_STANDARD <String> H:mm
      IM_DATETIME_FORMAT_DATE_SIMPLE <String> MM/dd
      IM_DATETIME_FORMAT_DATE_INPUT <String> yyyy/MM/dd
      locale <String> ja
    decimalFormatId <String> comma_period
    encoding <String> UTF-8
    firstDayOfWeek <String> 1
    homeUrl <String> /home
    locale <String> en
    loginTime <Date/Time> 2020-08-24T02:41:48.989Z
  OK Cancel
```

IM-BloomMaker

Function Enhancement

Add operations of elements

Elements are able to be added by double-click in the element palette.

After selecting a parent element on the designer, double-click the element you want to add from the palette in order to add the specified element to the parent element.

Filtering a search target of the common master

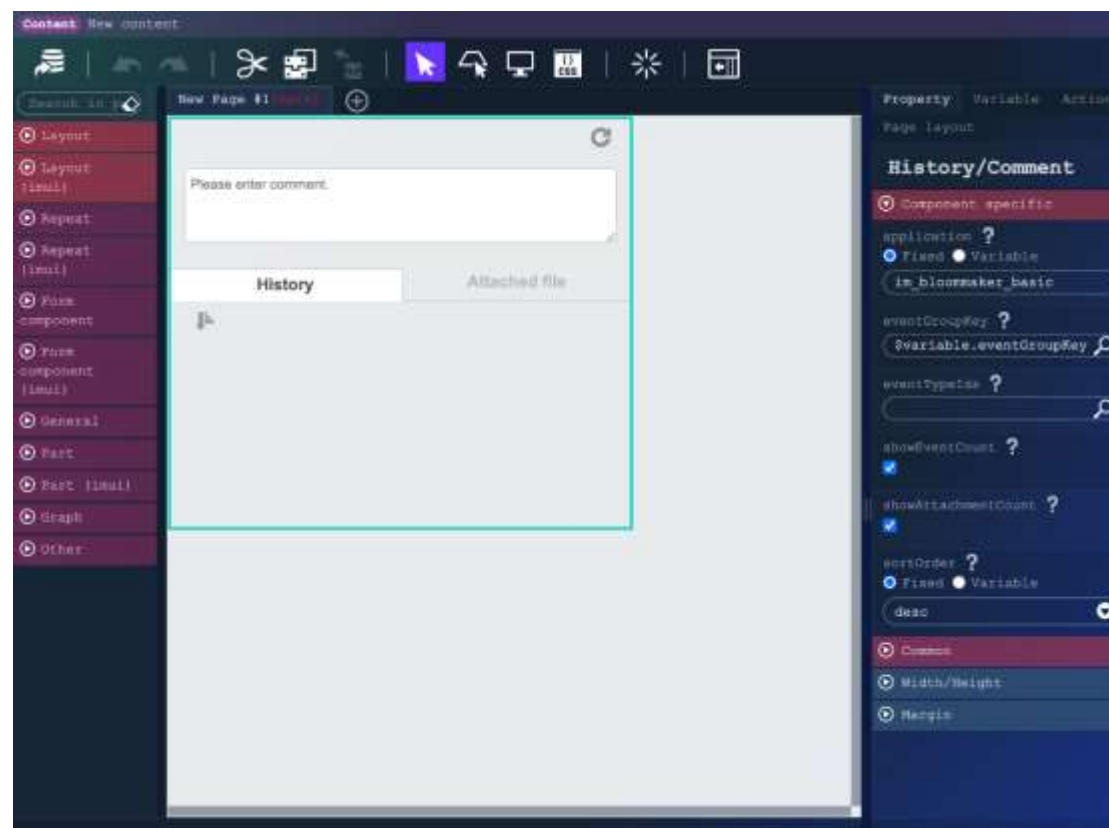
A search target of the common master is able to be narrowed down.

- Implicit conditions are able to be added as a refinement condition to action items in the common master category.
- Search targets which can be filtered are as follows:
 - User search dialog
 - Department search dialog
 - Post search dialog
 - Public group search dialog

Offering a new element

We offer “history/comment” element.

We offer an element which makes a function provided by history/comment module available.



IM-BloomMaker

Function Enhancement

7

OEM

Update list

Update

- intra-mart Accel Archiver 8.0.15

Update list

Products without updates

- intra-mart Accel Documents
- *Applications can be selected in 2020 Summer.

- This document is limited to the topics of the update.
For information on updates, please visit our requirements information disclosure site.
<https://issue.intra-mart.jp/>
- For system requirements and limitations, please make sure to confirm the release notes for each product.
- <https://www.intra-mart.jp/document/library/>

If you have any questions, please contact us at the following address.

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