

Develop your first application

Step 2. Add new data

Version 8.0



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Step 2. Add new data

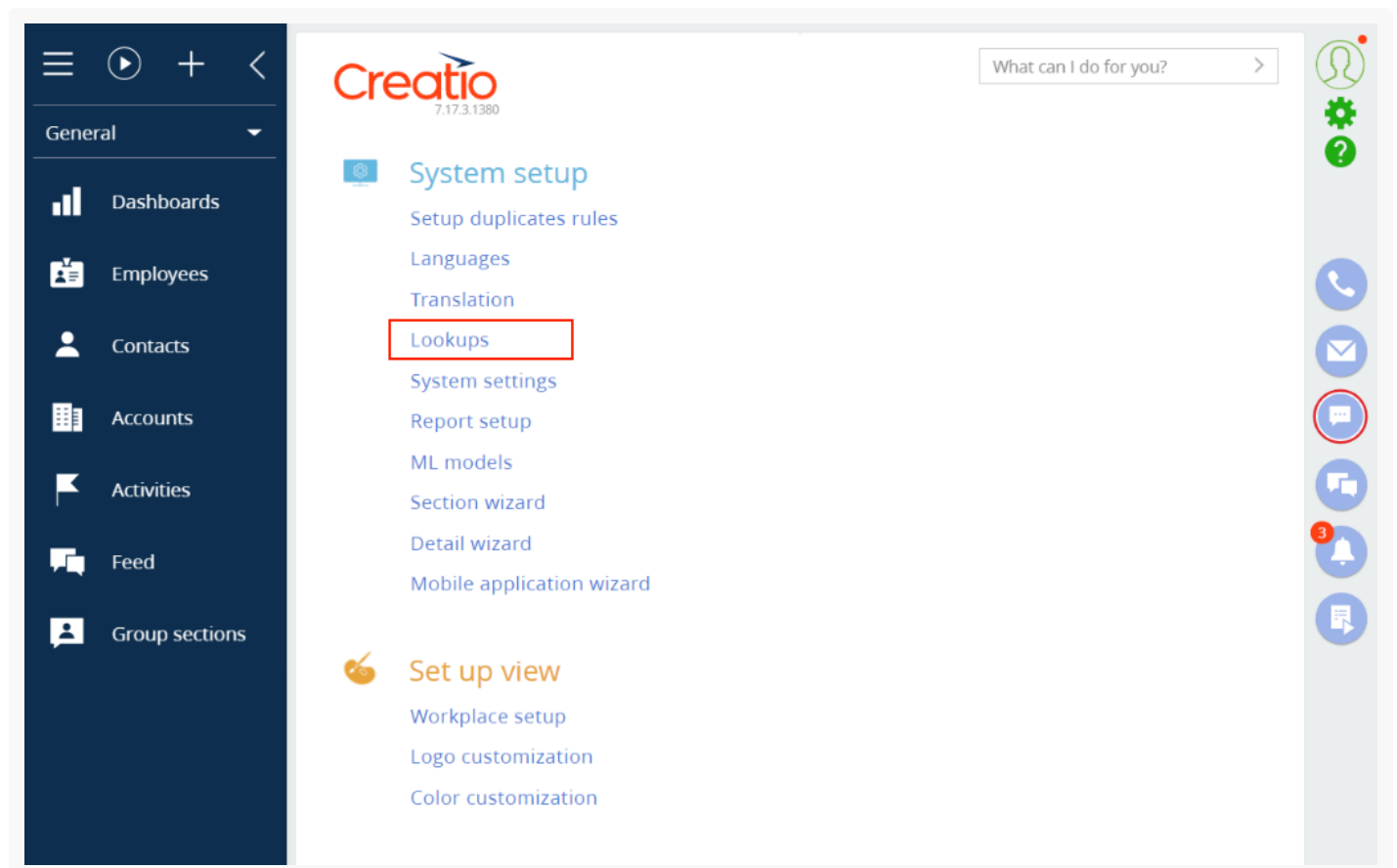
 Beginner


On the [previous step](#), we have fully configured the new section's interface. On this step:

- fill out the new lookups.
- add the gym number system setting.
- attach the new data to the development package.

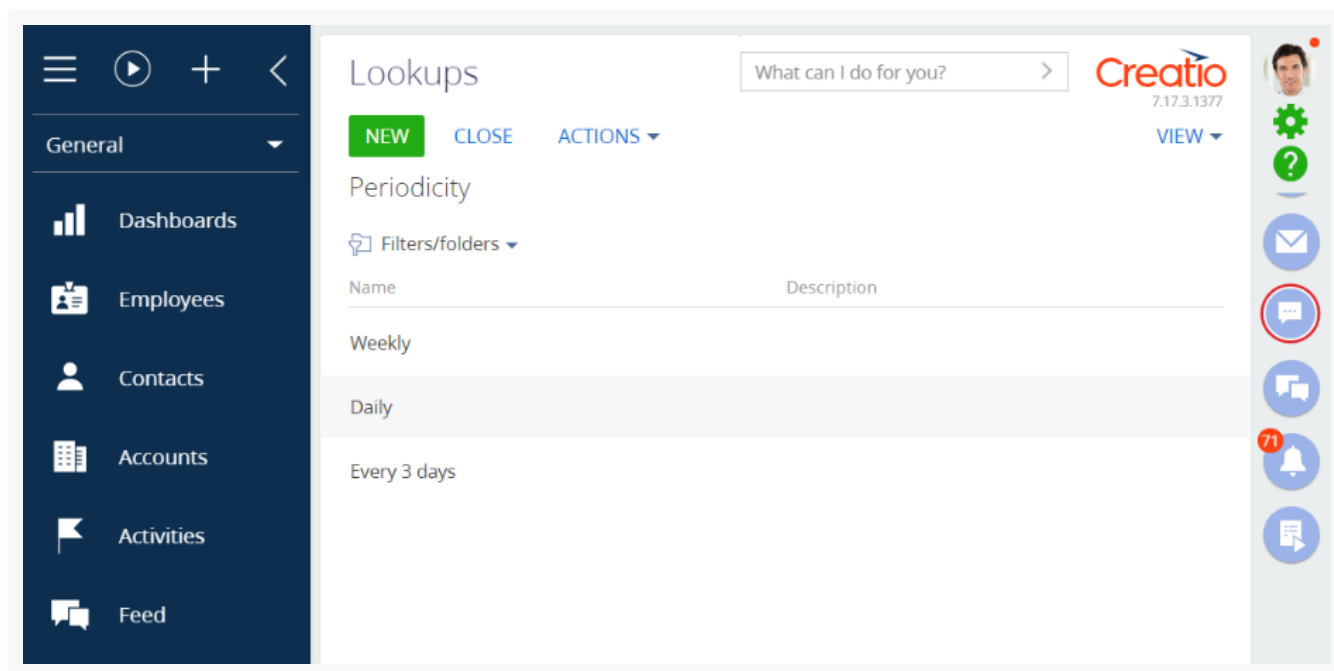
Fill out the lookups

The list of possible field values is configured in the [*Lookups*] section of the System Designer.



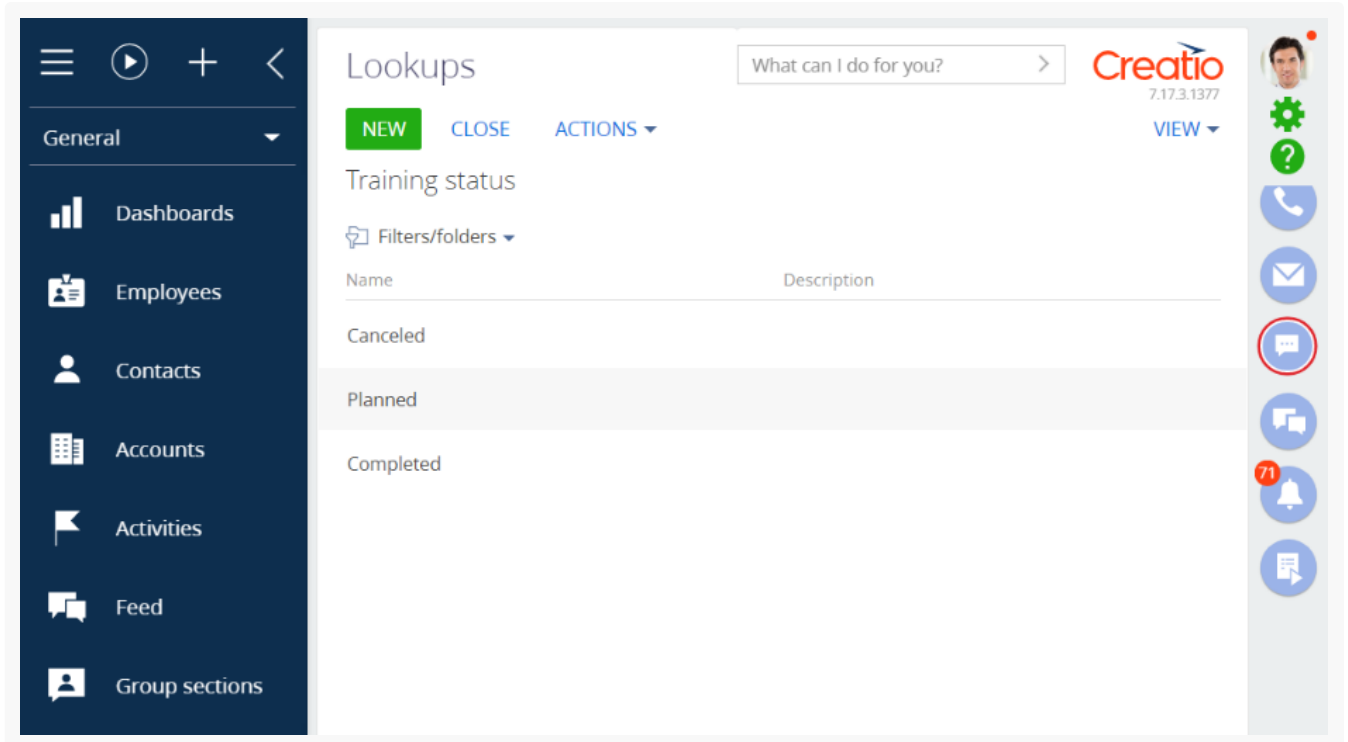
1. Fill out the “Periodicity” lookup
 - a. Click  to open the System Designer.
 - b. Go to the [*System setup*] block -> click [*Lookups*].
 - c. Find the “Periodicity” lookup using the filter at the top of the page.
 - d. Open and fill out the lookup with these values:

- Daily
- Every 3 days
- Weekly



2. Fill out the "Training status" lookup:


- Open the [*Lookups*] section.
- Find the "Training status" lookup using the filter at the top of the page.
- Open and fill out the lookup with these values:
 - Planned
 - Canceled
 - Completed



Create a system setting

To implement the example, specify the number of group exercise gyms in Creatio. Use a system setting to do this.

All base and custom system settings are available in the [*System settings*] section of the System Designer.

1. Click  to open the System Designer.
2. Click [*System settings*] in the [*System setup*] block.

The screenshot shows the Creatio 7.17.3.1377 interface. On the left is a dark blue navigation sidebar with a 'General' dropdown menu containing options like Dashboards, Employees, Contacts, Accounts, Activities, Feed, and Group sections. The main content area is titled 'System setup' and lists several options: Setup duplicates rules, Languages, Translation, Lookups, **System settings** (highlighted with a red box), Report setup, ML models, Section wizard, Detail wizard, and Mobile application wizard. Below this is a 'Set up view' section with options for Workplace setup, Logo customization, and Color customization. On the right side, there is a search bar 'What can I do for you?' and a vertical toolbar with icons for help, search, and notifications.

3. Click [*Add settings*] to add a system setting.

The screenshot shows the 'System settings' page in Creatio. At the top, there are buttons for 'NEW FOLDER', 'ADD SETTING' (highlighted with a red box), and 'ACTIONS'. Below these are tree views for 'Favorites' and 'All' settings. The 'All' view shows a list of folders such as Administration, Approvals, Configuration, Contact age, Creatio cloud services, Default values, External access, Feed, File management, Finances, General, Integration with external resources, and Integration with messaging services. On the right, there is a table of existing settings with columns for 'Name' and 'Code'. The table contains the following entries:

Name	Code
LDAP server user login	LDAPServerLogin
Name of attribute containing LDAP entry modification date	LDAPEntryModifiedOnAttribute
LDAP server name or IP	LDAPServer
Order of first/last names	ContactFieldConverter
Text parsing cloud service	TextParsingService
Chart data request restriction	ChartQueryDataLimit
User locking time	UserLockoutDuration
Licensing company Id	CustomerId
Use application warmup	UseWarmupApp
Joined objects administering	QueryJoinRightLevel

4. **Fill out the property fields** of the system setting:

- Set [*Name*] to "Number of gyms".

- Set [*Code*] to "GymsNumber".
- Set [*Type*] to "Integer".
- Set [*Default value*] to 4.

The screenshot shows the Creatio configuration interface for a new data element. The title is "Number of gyms". The interface includes a sidebar with navigation options: Dashboards, Employees, Contacts, Accounts, Activities, Feed, and Group sections. The main configuration area has the following fields:

- Name: Number of gyms
- Type: Integer
- Default value: 4
- Description: (empty)
- Code: GymsNumber
- Cache: Cached
- Save value for current user:

Below the fields, there are two sections for access control:

- Access for reading for internal users** (with an information icon):
 - Allow for all
 - Restrict for all
 - Allow by operation
- Access for modification for internal users** (with an information icon):
 - Allow for all
 - Restrict for all
 - Allow by operation

At the top right, there is a search bar "What can I do for you?", the Creatio logo with version 7.17.3.1377, and a user profile icon. A vertical toolbar on the right side contains icons for phone, mail, chat, and other communication tools.

Bind data to the package

The new lookup and system setting data is stored in the Creatio development environment database. To enable migration of the developed functionality to the pre-production and production environments, bind the new data to the development package. Creatio uses the **package data binding** for this.

1. Add the "Periodicity" lookup's data to the package:
 - a. Go to the [*Configuration*] section and select the "TryItPackage."
 - b. Click [*Add*] in the workspace toolbar and select the [*Data*] configuration element type.

The screenshot shows the 'Configuration' page in Creatio. At the top, there are buttons for 'CLOSE' and 'COMPILE', and an 'ACTIONS' dropdown. Below this is a search bar labeled 'Search by package'. A list of packages is shown, with 'TryItPackage' highlighted. A dropdown menu is open from the 'Add' button, listing various object types. The 'Data' option is highlighted in the dropdown. The background shows a table with columns for 'Status' and 'tMessageBridge'.

c. Select the "Periodicity" lookup's object "UsrPeriodicity" in the [*Object*] field.

SAVE
CANCEL
Creatio

Name *

Object *

UsrPeriodicity ▼

Installation type *

Installation ▼

Package

TryItPackage

COLUMNS SETTING BOUND DATA

Select an object, then set up the columns

+ Add

i Note

Installation type

The installation type determines the method of adding the application data upon the installation of the package.

- Installation - the data is added on the first installation of the package and is updated along with the package updates. This is the most versatile type and is used by default.

d. Check if all columns with the object's data are selected in the [*Columns Setting*] tab.

CLOSE
Creatio

Name

UsrPeriodicity

Object

UsrPeriodicity ▼

Installation type

Installation ▼

Package

TryItPackage

COLUMNS SETTING BOUND DATA

Caption ^	Name	Forced update	Key
Id	Id	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Name	Name	<input type="checkbox"/>	<input type="checkbox"/>

+ Add

i Note

Installation type

The installation type determines the method of adding the application data upon the installation of the package.

- Installation - the data is added on the first installation of the package and is updated along with the package updates. This is the most versatile type and is used by default.

e. Go to the [*Bound data*] tab and click [*Add*].

f. Select all records in the newly-opened window.

Name	Id	Name
<input checked="" type="checkbox"/>	Id	
<input checked="" type="checkbox"/>	65c94e6b-0b9f-42c9-9700-b161e16ef171	Daily
<input checked="" type="checkbox"/>	f488ba25-3824-4b2a-a822-604b86265b74	Every 3 days
<input checked="" type="checkbox"/>	76c1eb09-964b-4096-ae8e-863a675ba425	Weekly

g. Save the element.

2. Add the "Training status" lookup's data in a similar way. Specify "UsrTrainingStatus" as the object.

3. Binding a system setting to a package involves binding the system setting's code and value.
 - a. Add a new [*Data*] type element to the package.
 - b. Specify "SysSettings" in the [*Object*] field. This is the data table that stores codes for all Creatio system settings.

ACTUALIZE DATA

NAME: SysSettings
 OBJECT: SysSettings
 INSTALLATION TYPE: Installation
 PACKAGE: TryItPackage

Note
 Installation type
 The installation type determines the method of adding the application data upon the installation of the package.
 • Installation - the data is added on the first installation of the package and is updated along with the package updates. This is the most versatile type and is used by default.

COLUMNS SETTING	BOUND DATA	Forced update	Key
<input type="checkbox"/>	Caption		
<input type="checkbox"/>	Allow for portal users	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Cached	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Code	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Description	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Id	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Identifier of system setting lookup	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Name	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Personal	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Type	<input type="checkbox"/>	<input type="checkbox"/>

+ Add

- c. Click [*Add*] on the [*Bound data*] tab and use the filter to find the "Number of gyms" setting in the window that opens.

Select: System setting

NAME: Number of gyms

Selected: 1

Id	Name	Description	Code	Type	Personal	Cached
<input checked="" type="checkbox"/>	c76b6986-aa81-43a0-b63b-f275f6243b5a	Number of gyms	GymsNumber	Integer	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- d. Save the element.
 - e. Create one more [*Data*] type element and specify "SysSettingsValue" in the [*Object*] field. This is the data table that stores values for all Creatio system settings.

SAVE
CANCEL
Creatio

Name *
SysSettingsValue

Object *
SysSettingsValue

Installation type *
Installation

Package
TryItPackage

Note

Installation type

The installation type determines the method of adding the application data upon the installation of the package.

- Installation - the data is added on the first installation of the package and is updated along with the package updates. This is the most versatile type and is used by default.
- Update existing - the data is added during the first installation of the package. Updating the package modifies only the data in the columns where the "Forced update" checkbox is selected on the

COLUMNS SETTING BOUND DATA

<input type="checkbox"/>	Caption ^	Name	Forced update	Key
<input type="checkbox"/>	Binary value	BinaryValue	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Date and time value	DateTimeValue	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Decimal value	FloatValue	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Default value	IsDef	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Id	Id	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Integer	IntegerValue	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Logic value	BooleanValue	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Position	Position	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	System administration object	SysAdminUnit	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	System setting	SysSettings	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Text value	TextValue	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Value of unique Id	GuidValue	<input type="checkbox"/>	<input type="checkbox"/>

+ Add

- f. Use the system setting filter in the [*Bound data*] tab to select the data for the "Number of gyms" system setting.

Select: System setting value ×

System setting ▼ 🔍 Number of gyms ×

Selected: 1

<input checked="" type="checkbox"/>	Id ^	System setting	System administration object	Default value	Text value	Integer
<input checked="" type="checkbox"/>	673a0ec4-ffcc-4531-a0d1-d2048a679061	Number of gyms	All employees	<input type="checkbox"/>		4

- g. Save the element.

As a result, we have added the example's required data to the interface and attached it to the development package. [On the next step](#), implement the business logic of the example.