


LABORATORIUM 7. ZABEZPIECZENIE APLIKACJI. OGRANICZENIE DOSTĘPU DO DANYCH.


ZADANIE 7.1. ZIDENTYFIKUJ WYMAGANĄ WIDOCZNOŚĆ REKORDÓW



Roles

Below is a list of the roles for your organization. You can view more information by clicking the role link.

| Action | Role | Reports To | Report Display Name |
|---|------------------------|----------------------|----------------------|
| Edit Del Assign | CEO | CEO | CEO |
| Edit Del Assign | CEO | CEO | CFO |
| Edit Del Assign | CEO | CEO | COO |
| Edit Del Assign | Finance Director | Finance Director | Finance Director |
| Edit Del Assign | Finance Specialist | Finance Director | Finance Director |
| Edit Del Assign | Recruitment Director | Recruitment Director | Recruitment Director |
| Edit Del Assign | Recruitment Specialist | Recruitment Director | Recruitment Director |
| Edit Del Assign | Sales Director | Sales Director | Sales Director |
| Edit Del Assign | Sales Specialist | Sales Director | Sales Director |

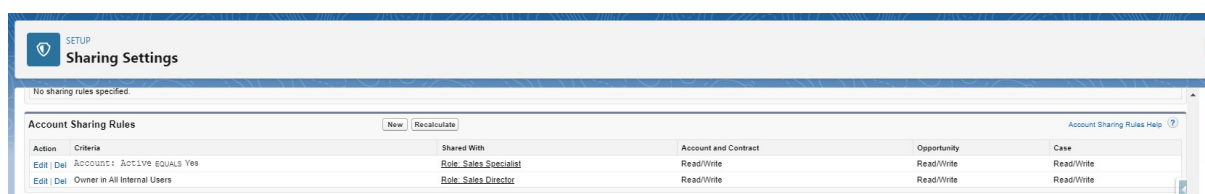


Sharing Settings

| Object | Private | Public Read/Write Transfer | Private |
|----------------------|----------------------------|----------------------------|----------------------|
| Invoice | Private | Private | ✓ |
| Lead | Public Read/Write Transfer | Private | ✓ |
| Account and Contract | Private | Private | ✓ |
| Service | Private | Private | ✓ |
| Property | Controlled by Parent | Controlled by Parent | Controlled by Parent |

ZADANIE 7.2. ZDEFINIUJ REGUŁĘ UDOSTĘPNIENIA DANYCH

STWÓRZ NOWĄ REGUŁĘ UDOSTĘPNIENIA DANYCH KTÓRA UDOSTĘPNI REKORDY OBIEKTU PROPERTY__C DLA WSZYSTKICH UŻYTKOWNIKÓW W TEJ SAMEJ ROLI.



Account Sharing Rules

No sharing rules specified.

| Action | Criteria | Shared With | Account and Contract | Opportunity | Case |
|--|-----------------------------|-------------------------|----------------------|-------------|------------|
| Edit Del | Account: Active Equals Yes | Role - Sales Specialist | Read/Write | Read/Write | Read/Write |
| Edit Del | Owner in All Internal Users | Role - Sales Director | Read/Write | Read/Write | Read/Write |

Obiekt Property__c jest kontrolowany przez rodzica, gdyż jest w relacji master-detail dlatego ustawiam dostęp do rekordów na obiekcie Account.

SETUP

Users

User

Test Test

User Profile Help for this Page

Permission Set Assignments (0) | Permission Set Assignments Activation Required (0) | Permission Set Group Assignments (1) | Permission Set License Assignments (0) | Personal Groups (0) | Public Group Membership (0) | Queue Membership (3) | Team (0) | Managers in the Role Hierarchy (1) | OAuth Connected Apps (0) | Third-Party Account Links (0) | Installed Mobile Apps (0) | Authentication Settings for External Systems (0) | Login History (10+) | User Provisioning Accounts (0)

User Detail

Edit | Sharing | Reset Password | Freeze

| | | | |
|----------|---------------------------------|--------------|------------------------|
| Name | Test Test | Role | Sales Specialist |
| Alias | ttest | User License | Salesforce Platform |
| Email | jakub.labendowicz@pollub.edu.pl | Profile | Standard Platform User |
| Username | jakub.labendowicz@pollub.edu.pl | | |

ACTIVE USTAWIONE NA 'No'

Pollub

Home | Accounts | Account Services | Services | Payments | Invoices | Properties | Property Services | Se

Account

Britenet

SLA Expiration Date

SLA Serial Number

Number of Locations

Upsell Opportunity

Active

No

Pollub

Home | Accounts | Account Services | Services | Payments | Invoices | Properties | Property Services | Country Tax Rates | Quotes

Accounts

All Accounts

10 items • Sorted by Account Name • Filtered by All accounts • Updated a few seconds ago

Search this list...

Star

Plus

Share

Help

Settings

Notifications

Avatar

| | Account Name | Billing ... | Phone | Type | Acc... | Billing City | Billi... | Billing Street |
|----|---|-------------|------------------|--------------------|--------|---------------|----------|--|
| 1 | Dickenson plc | KS | (785) 241-6200 | Customer - Chan... | JLabe | Lawrence | USA | 1301 Hoch Drive |
| 2 | Edge Communications | TX | (512) 757-6000 | Customer - Direct | JLabe | Austin | | 312 Constitution Place Austin, TX 78767 USA |
| 3 | Express Logistics and Transport | OR | (503) 421-7800 | Customer - Chan... | JLabe | Portland | | 620 SW 5th Avenue Suite 400 Portland, Oregon 97204 United States |
| 4 | GenePoint | CA | (650) 867-3450 | Prospect | JLabe | Mountain View | | 345 Shoreline Park Mountain View, CA 94043 USA |
| 5 | Grand Hotels & Resorts Ltd | IL | (312) 596-1000 | Customer - Direct | JLabe | Chicago | | 2334 N. Michigan Avenue, Suite 1500 Chicago, IL 60601, USA |
| 6 | Pyramid Construction Inc. | | (014) 427-4427 | Customer - Chan... | JLabe | Paris | France | 2 Place Jussieu |
| 7 | United Oil & Gas Corp. | NY | (212) 842-5500 | Customer - Direct | JLabe | New York | | 1301 Avenue of the Americas New York, NY 10019 USA |
| 8 | United Oil & Gas, Singapore | Singapo... | (650) 450-8810 | Customer - Direct | JLabe | Singapore | | 9 Tagore Lane Singapore, Singapore 787472 Singapore |
| 9 | United Oil & Gas, UK | UK | +44 191 49562... | Customer - Direct | JLabe | | | Kings Park, 17th Avenue, Team Valley Trading Estate, Gateshead, Tyne ... |
| 10 | University of Arizona | AZ | (520) 773-9050 | Customer - Direct | JLabe | Tucson | | 888 N Euclid Hallis Center, Room 501 Tucson, AZ 85721 United States |

Pollub

Home | Accounts | Account Services | Services | Payments | Invoices | Properties | Property Services | Country Tax Rates | Quotes

Properties

All

0 items • Sorted by Property Name • Filtered by All properties • Updated a few seconds ago

Search this list...

Star

Plus

Share

Help

Settings

Notifications

Avatar

| Property Name |
|---------------|
|---------------|

ACTIVE USTAWIONE NA 'YES'

Pollub Search...

Home Accounts Account Services Services Payments Invoices Properties Property Services

Account Britenet

SLA Expiration Date SLA Serial Number

Number of Locations Upsell Opportunity

Active Yes

Pollub Search...

Home Accounts Account Services Services Payments Invoices Properties Property Services Country Tax Rates Quotes

Accounts Recently Viewed

1 item • Updated a few seconds ago

Search this list...

| Account Name | Account Site | Phone | Account Owner Alias |
|--------------|--------------|-------|---------------------|
| 1 Britenet | | | jlabe |

Properties All 2

2 items • Sorted by Property Name • Filtered by All properties • Updated a few seconds ago

Search this list...

| Property Name | Account |
|---------------|----------|
| 1 P-0000 | Britenet |
| 2 P-0001 | Britenet |

ZADANIE 7.3. UDOSTĘPNIANIE DANYCH NA PODSTAWIE PÓŁ REKORDU

```

Pollub_InvoiceTriggerHandler.cls Pollub_InvoiceTriggerService.cls X
Pollub > force-app > main > default > classes > Pollub_InvoiceTriggerService.cls
21
22 public static void deleteShareRecordsForAvailableForUsers(Map<Id, Invoice_c> newInvoicesMap, List<Invoice_c> oldInvoices) {
23     List<Id> invoicesIds = new List<Id>();
24     for(Invoice_c oldInvoice: oldInvoices) {
25         if (newInvoicesMap == null || (newInvoicesMap != null && oldInvoice.Available_for_c != newInvoicesMap.get(oldInvoice.Id).Available_for_c)) {
26             invoicesIds.add(oldInvoice.Id);
27         }
28     }
29     List<Invoice_Share> invoiceShares = [SELECT Id FROM Invoice__Share WHERE ParentId IN :invoicesIds AND RowCause = :Schema.Invoice__Share.RowCause.Manual];
30     delete invoiceShares;
31 }
32
33 public static void shareRecordsForAvailableForUsers(List<Invoice_c> newInvoices, Map<Id, Invoice_c> oldInvoicesMap) {
34     List<Invoice_Share> invoiceShares = new List<Invoice_Share>();
35     for(Invoice_c newInvoice: newInvoices) {
36         System.debug(newInvoice);
37         if (oldInvoicesMap == null || (oldInvoicesMap != null && newInvoice.Available_for_c != oldInvoicesMap.get(newInvoice.Id).Available_for_c)) {
38             Invoice_Share invoiceShare = new Invoice_Share();
39             ParentId = newInvoice.Id,
40             UserOrgGroupId = newInvoice.Available_for_c,
41             AccessLevel = 'Edit',
42             RowCause = Schema.Invoice__Share.RowCause.Manual
43         };
44         System.debug(invoiceShare);
45         invoiceShares.add(invoiceShare);
46     }
47     List<Database.SaveResult> saveResults = Database.Insert(invoiceShares, false);
48     System.debug(saveResults);
49 }
50 }
51

```

```
Pollub_InvoiceTriggerHandler.cls x Pollub_InvoiceTriggerService.cls
Pollub > force-app > main > default > classes > Pollub_InvoiceTriggerHandler.cls
1 public with sharing class Pollub_InvoiceTriggerHandler extends TriggerHandler {
2     private void beforeInsert() {
3         List<Invoice__c> newInvoices = (List<Invoice__c>) Trigger.new;
4
5         Pollub_InvoiceTriggerService.calculateTax(newInvoices);
6         Pollub_InvoiceTriggerService.shareRecordsForAvailableForUsers(newInvoices, null);
7     }
8
9     private void beforeUpdate() {
10        List<Invoice__c> newInvoices = (List<Invoice__c>) Trigger.new;
11        Map<Id, Invoice__c> newInvoicesMap = (Map<Id, Invoice__c>) Trigger.newMap;
12        List<Invoice__c> oldInvoices = (List<Invoice__c>) Trigger.old;
13        Map<Id, Invoice__c> oldInvoicesMap = (Map<Id, Invoice__c>) Trigger.oldMap;
14
15        Pollub_InvoiceTriggerService.calculateTax(newInvoices);
16        Pollub_InvoiceTriggerService.deleteShareRecordsForAvailableForUsers(newInvoicesMap, oldInvoices);
17        Pollub_InvoiceTriggerService.shareRecordsForAvailableForUsers(newInvoices, oldInvoicesMap);
18    }
19
20    private void beforeDelete() {
21        List<Invoice__c> oldInvoices = (List<Invoice__c>) Trigger.old;
22
23        Pollub_InvoiceTriggerService.deleteShareRecordsForAvailableForUsers(null, oldInvoices);
24    }
25 }
```

STWÓRZ MECHANIZM, KTÓRY UMOŻLIWI DZIELENIE REKORDU Z UŻYTKOWNIKIEM, KTÓREGO ID JEST PRZECHOWYWANE W TYM NOWO UTWORZONYM POLU

| Invoices | | | | | New | Import | Change Owner | Printable View |
|--|---------------------------------|---------------|------------------|-----------------|-----------------------|--------|--------------|----------------|
| All | | | | | | | | |
| 11 Items • Sorted by Invoice Name • Filtered by All Invoices • Updated a few seconds ago | | | | | Q Search this list... | | | |
| | Invoice Name ↑ | Available for | Owner First Name | Owner Last Name | | | | |
| 1 | <input type="checkbox"/> I-0000 | | Jakub | Łabendowicz | | | | |
| 2 | <input type="checkbox"/> I-0001 | | Jakub | Łabendowicz | | | | |
| 3 | <input type="checkbox"/> I-0002 | | Jakub | Łabendowicz | | | | |
| 4 | <input type="checkbox"/> I-0003 | | Jakub | Łabendowicz | | | | |
| 5 | <input type="checkbox"/> I-0004 | | Jakub | Łabendowicz | | | | |
| 6 | <input type="checkbox"/> I-0005 | | Jakub | Łabendowicz | | | | |
| 7 | <input type="checkbox"/> I-0006 | | Jakub | Łabendowicz | | | | |
| 8 | <input type="checkbox"/> I-0007 | | Jakub | Łabendowicz | | | | |
| 9 | <input type="checkbox"/> I-0008 | | Jakub | Łabendowicz | | | | |
| 10 | <input type="checkbox"/> I-0009 | | Jakub | Łabendowicz | | | | |
| 11 | <input type="checkbox"/> I-0010 | | Jakub | Łabendowicz | | | | |

| Invoice__Share@7:15 PM | | | | | |
|---|--------------------|--------------------|-------------|------------------------------|-------------------|
| SELECT Id, ParentId, UserOrGroupId, AccessLevel, LastModifiedDate, UserOrGroup.Name FROM Invoice__Share | | | | | |
| Query Results - Total Rows: 11 | | | | | |
| Id | ParentId | UserOrGroupId | AccessLevel | LastModifiedDate | UserOrGroup.Name |
| 02c7Q00002bjyqQAE | a0R7Q00000Pv7M2UAJ | 0057Q000000EADJQAW | All | 2022-10-21T16:47:59.000+0000 | Jakub Łabendowicz |
| 02c7Q00002azvCqQAK | a0R7Q00000Pv7M7UAJ | 0057Q000000EADJQAW | All | 2022-10-20T21:18:42.000+0000 | Jakub Łabendowicz |
| 02c7Q00002azvCpQAK | a0R7Q00000Pv8M1UAJ | 0057Q000000EADJQAW | All | 2022-10-20T21:18:42.000+0000 | Jakub Łabendowicz |
| 02c7Q00002azvCwQAK | a0R7Q00000PvC11UAN | 0057Q000000EADJQAW | All | 2022-10-20T21:18:42.000+0000 | Jakub Łabendowicz |
| 02c7Q00002azvCsQAK | a0R7Q00000PvC1BUA3 | 0057Q000000EADJQAW | All | 2022-10-20T21:18:42.000+0000 | Jakub Łabendowicz |
| 02c7Q00002azvCwQAK | a0R7Q00000PvCNHUA3 | 0057Q000000EADJQAW | All | 2022-10-20T21:18:42.000+0000 | Jakub Łabendowicz |
| 02c7Q00002azvCqQAK | a0R7Q00000PvE1YUAF | 0057Q000000EADJQAW | All | 2022-10-20T21:18:42.000+0000 | Jakub Łabendowicz |
| 02c7Q00002azvCvQAK | a0R7Q00000PvEpkUAF | 0057Q000000EADJQAW | All | 2022-10-20T21:18:42.000+0000 | Jakub Łabendowicz |
| 02c7Q00002bjyqQAU | a0R7Q00000PvFYSUA3 | 0057Q000000EADJQAW | All | 2022-10-21T16:47:49.000+0000 | Jakub Łabendowicz |
| 02c7Q00002azvCqQAK | a0R7Q00000PvFvUAV | 0057Q000000EADJQAW | All | 2022-10-20T21:18:42.000+0000 | Jakub Łabendowicz |
| 02c7Q00002bjySF6QAM | a0R7Q00000PvHWRUAN | 0057Q000000EADJQAW | All | 2022-10-21T16:01:42.000+0000 | Jakub Łabendowicz |

Application interface showing the 'Invoices' section. The top navigation bar includes 'Pollub' and various menu items like 'Home', 'Accounts', 'Account Services', 'Services', 'Payments', 'Invoices', 'Properties', 'Property Services', 'Country Tax Rates', and 'Quotes'. The 'Invoices' section is active, displaying a search bar and a list of invoices. The list is currently empty, showing '0 items • Sorted by Invoice Name • Filtered by All Invoices • Updated a few seconds ago'. The table headers are 'Invoice Name', 'Available for', 'Owner First Name', and 'Owner Last Name'. A 'New' button and a 'Printable View' link are visible in the top right corner.

Application interface showing the 'Invoices' section with 11 items. The top navigation bar is the same as the previous screenshot. The 'Invoices' section displays a search bar and a list of invoices. The list is updated 16 minutes ago. The table headers are 'Invoice Name', 'Available for', 'Owner First Name', and 'Owner Last Name'. The table contains 11 rows of data, each with a checkbox, an invoice number (I-0000 to I-0010), a 'Test Test' description, and the owner 'Jakub Łabendowicz'. A 'New' button, an 'Import' button, a 'Change Owner' button, and a 'Printable View' link are visible in the top right corner.

SQL query results showing the 'Invoice_Share' table. The query is: `SELECT Id, ParentId, UserOrGroupId, AccessLevel, LastModifiedDate, UserOrGroup.Name FROM Invoice_Share`. The results show 14 rows of data. The columns are: Id, ParentId, UserOrGroupId, AccessLevel, LastModifiedDate, and UserOrGroup.Name. The data includes various IDs, parent IDs, user or group IDs, access levels (All, Edit), and last modified dates.

Application interface showing the 'Invoices' section with 3 items. The top navigation bar is the same as the previous screenshots. The 'Invoices' section displays a search bar and a list of invoices. The list is updated a few seconds ago. The table headers are 'Invoice Name', 'Available for', 'Owner First Name', and 'Owner Last Name'. The table contains 3 rows of data, each with a checkbox, an invoice number (I-0000 to I-0002), a 'Test Test' description, and the owner 'Jakub Łabendowicz'. A 'New' button and a 'Printable View' link are visible in the top right corner.

STWÓRZ MECHANIZM, KTÓRY BĘDZIE USUWAŁ UPRAWNIENIA PODCZAS EDYCJI TEGO POLA

Search...

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Pollub

Home

Accounts

Account Services

Services

Payments

Invoices

Properties

Property Services

Service companies

Country Tax Rates

Quotes

More

Invoices

All

✓

Your changes are saved.

New

Import

Change Owner

Printable View

11 items • Sorted by Invoice Name • Filtered by All invoices • Updated 17 minutes ago

Search this list...

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| <input type="checkbox"/> | Invoice Name ↑ | Available for | Owner First Name | Owner Last Name | |
|--------------------------|---------------------------------|---------------|------------------|-----------------|---|
| 1 | <input type="checkbox"/> I-0000 | Test Test | Jakub | Łabendowicz | ⌵ |
| 2 | <input type="checkbox"/> I-0001 | Test Test | Jakub | Łabendowicz | ⌵ |
| 3 | <input type="checkbox"/> I-0002 | | Jakub | Łabendowicz | ⌵ |
| 4 | <input type="checkbox"/> I-0003 | | Jakub | Łabendowicz | ⌵ |
| 5 | <input type="checkbox"/> I-0004 | | Jakub | Łabendowicz | ⌵ |
| 6 | <input type="checkbox"/> I-0005 | | Jakub | Łabendowicz | ⌵ |
| 7 | <input type="checkbox"/> I-0006 | | Jakub | Łabendowicz | ⌵ |
| 8 | <input type="checkbox"/> I-0007 | | Jakub | Łabendowicz | ⌵ |
| 9 | <input type="checkbox"/> I-0008 | | Jakub | Łabendowicz | ⌵ |
| 10 | <input type="checkbox"/> I-0009 | | Jakub | Łabendowicz | ⌵ |
| 11 | <input type="checkbox"/> I-0010 | | Jakub | Łabendowicz | ⌵ |

File • Edit • Debug • Test • Workspace • Help • < • >

Invoice_Share@7:21 PM

SELECT Id, ParentId, UserOrGroupId, AccessLevel, LastModifiedDate, UserOrGroup.Name FROM Invoice_Share

Query Results - Total Rows: 13

| Id | ParentId | UserOrGroupId | AccessLevel | LastModifiedDate | UserOrGroup.Name |
|--------------------|--------------------|--------------------|-------------|------------------------------|-------------------|
| 02c7Q00002bjMpcQAE | a0R7Q00000Pv7M2UAJ | 0057Q000000EAD3QAW | All | 2022-10-21T16:47:59.000+0000 | Jakub Łabendowicz |
| 02c7Q00002a2vCpQAK | a0R7Q00000Pv7M2UAJ | 0057Q000000EAD3QAW | All | 2022-10-20T21:18:42.000+0000 | Jakub Łabendowicz |
| 02c7Q00002a2vCpQAK | a0R7Q00000Pv8M1UAJ | 0057Q000000EAD3QAW | All | 2022-10-20T21:18:42.000+0000 | Jakub Łabendowicz |
| 02c7Q00002a2vCwQAK | a0R7Q00000PvC11UAN | 0057Q000000EAD3QAW | All | 2022-10-20T21:18:42.000+0000 | Jakub Łabendowicz |
| 02c7Q00002a2vCwQAK | a0R7Q00000PvCIBUA3 | 0057Q000000EAD3QAW | All | 2022-10-20T21:18:42.000+0000 | Jakub Łabendowicz |
| 02c7Q00002a2vCwQAK | a0R7Q00000PvCNHUA3 | 0057Q000000EAD3QAW | All | 2022-10-20T21:18:42.000+0000 | Jakub Łabendowicz |
| 02c7Q00002a2vCyQAK | a0R7Q00000PvE1YUAV | 0057Q000000EAD3QAW | All | 2022-10-20T21:18:42.000+0000 | Jakub Łabendowicz |
| 02c7Q00002a2vCyQAK | a0R7Q00000PvEpkUAF | 0057Q000000EAD3QAW | All | 2022-10-20T21:18:42.000+0000 | Jakub Łabendowicz |
| 02c7Q00002bjMgKQAU | a0R7Q00000PvFY3UA3 | 0057Q000000EAD3QAW | All | 2022-10-21T16:47:49.000+0000 | Jakub Łabendowicz |
| 02c7Q00002a2vCqQAK | a0R7Q00000PvFVUAV | 0057Q000000EAD3QAW | All | 2022-10-20T21:18:42.000+0000 | Jakub Łabendowicz |
| 02c7Q00002bjSF6QAM | a0R7Q00000PvHwLUAN | 0057Q000000EAD3QAW | All | 2022-10-21T16:01:42.000+0000 | Jakub Łabendowicz |
| 02c7Q00002bjWekQAU | a0R7Q00000Pv7M2UAJ | 0057Q00000729O1QA1 | Edit | 2022-10-21T17:18:27.000+0000 | Test Test |
| 02c7Q00002bjWf1QAU | a0R7Q00000Pv7M2UAJ | 0057Q00000729O1QA1 | Edit | 2022-10-21T17:19:50.000+0000 | Test Test |

Search...

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Pollub

Home

Accounts

Account Services

Services

Payments

Invoices

Properties

Property Services

Country Tax Rates

Quotes

Invoices

All

New

Printable View

2 items • Sorted by Invoice Name • Filtered by All invoices • Updated a few seconds ago

Search this list...

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| <input type="checkbox"/> | Invoice Name ↑ | Available for | Owner First Name | Owner Last Name | |
|--------------------------|---------------------------------|---------------|------------------|-----------------|---|
| 1 | <input type="checkbox"/> I-0000 | Test Test | Jakub | Łabendowicz | ⌵ |
| 2 | <input type="checkbox"/> I-0001 | Test Test | Jakub | Łabendowicz | ⌵ |