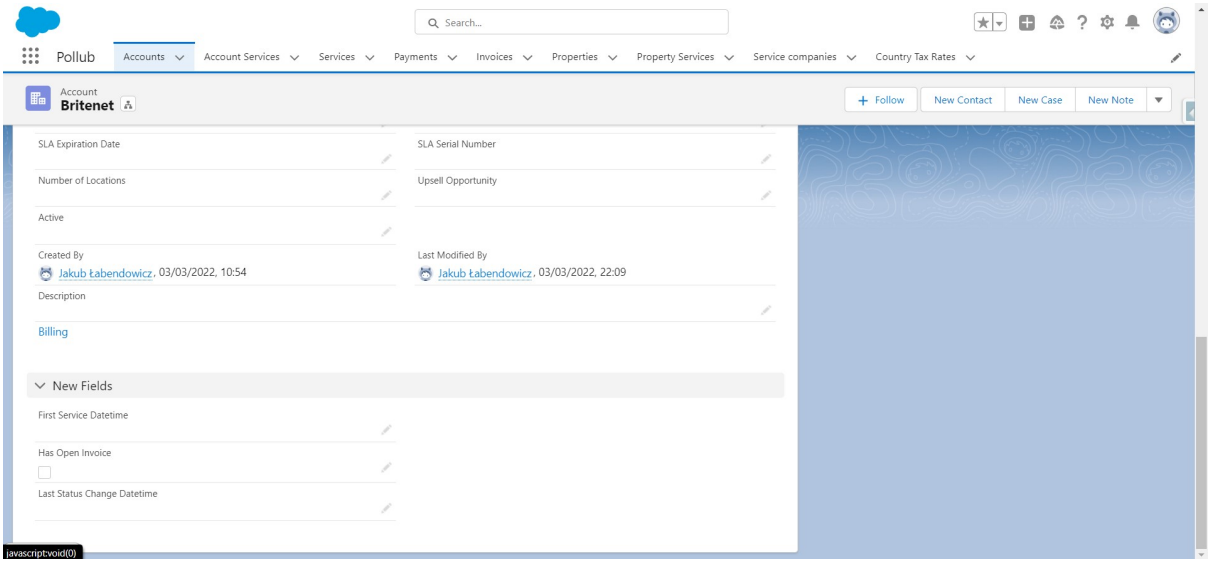
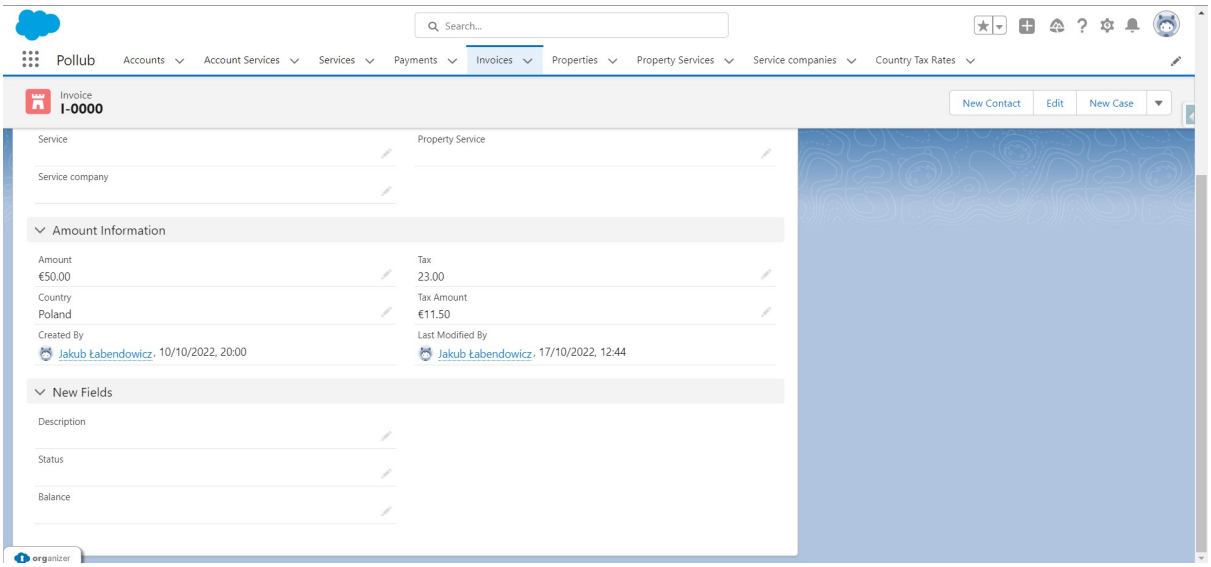
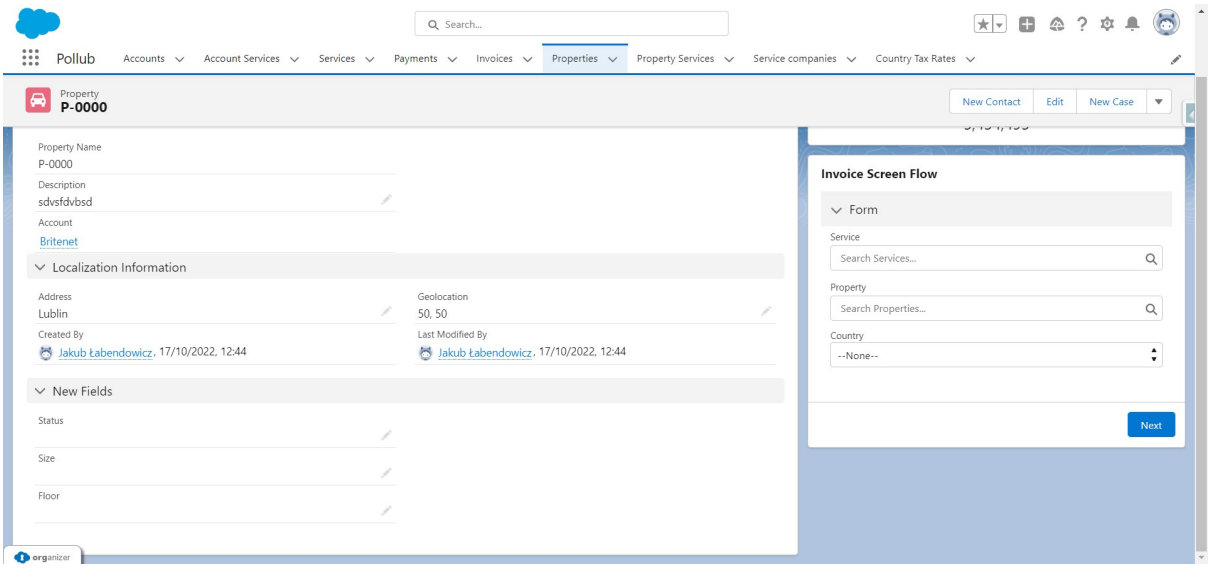
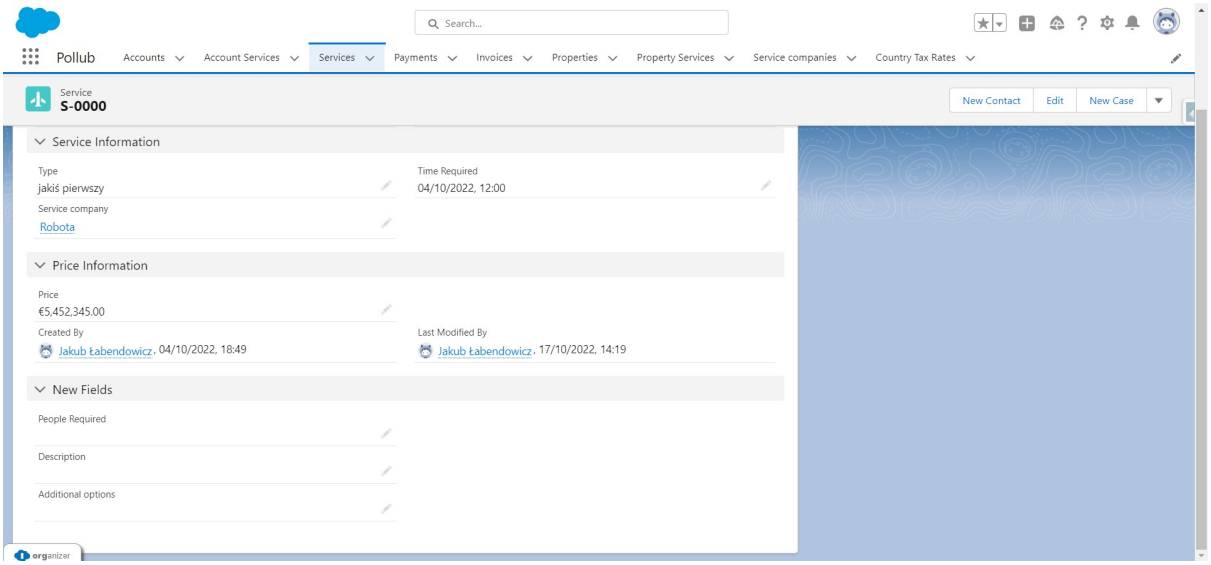
LABORATORIUM 3. TWORZENIE INTERFEJSU UŻYTKOWNIKA.

Zadanie 3.1. Wzbogacenie modelu danych

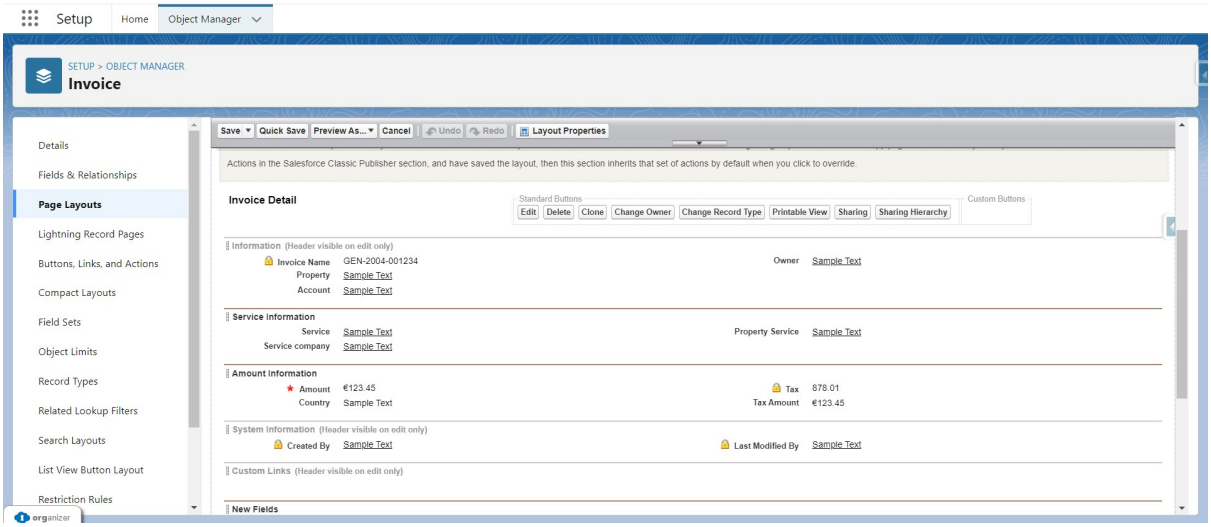


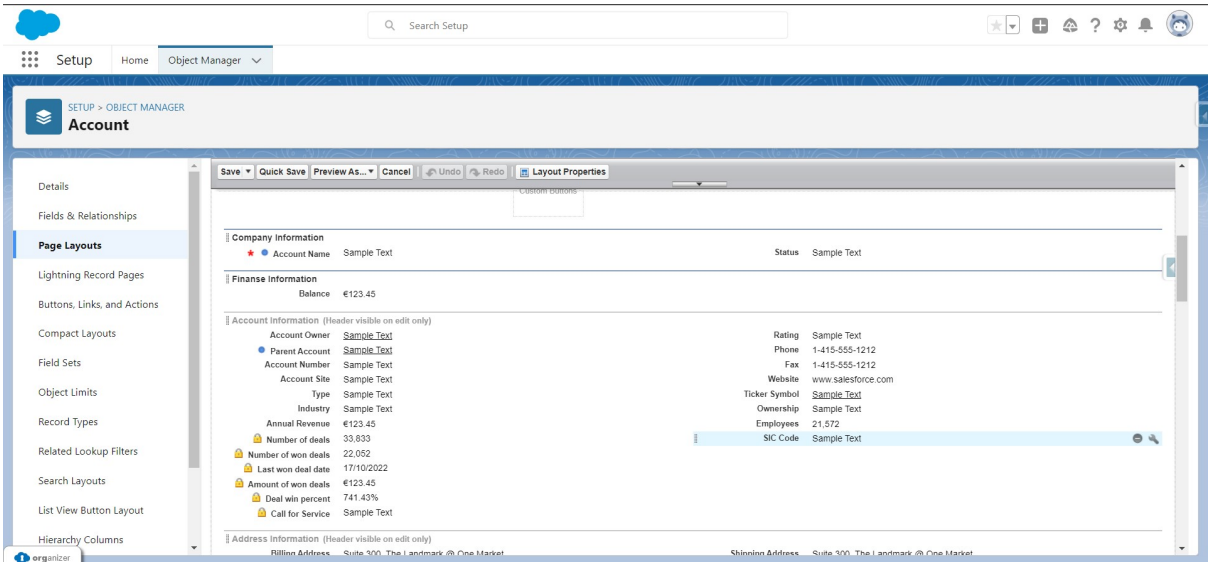


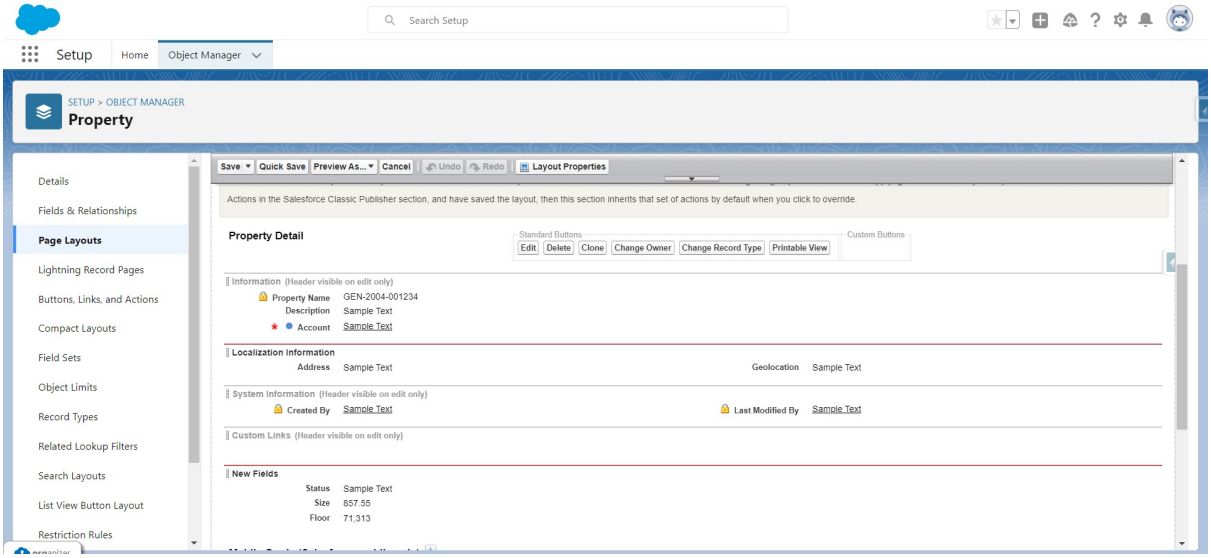

Search...
Pollub
Accounts
Account Services
Services
Payments
Invoices
Properties
Property Services
Service companies
Country Tax Rates
Property
P-0000
New Contact
Edit
New Case
Property Name
P-0000
Description
sdvsfdvbsd
Account
Britenet
Localization Information
Address
Lublin
Geolocation
50, 50
Created By
Jakub Łabendowicz, 17/10/2022, 12:44
Last Modified By
Jakub Łabendowicz, 17/10/2022, 12:44
New Fields
Status
Size
Floor
Invoice Screen Flow
Form
Service
Search Services...
Property
Search Properties...
Country
--None--
Next
organizer

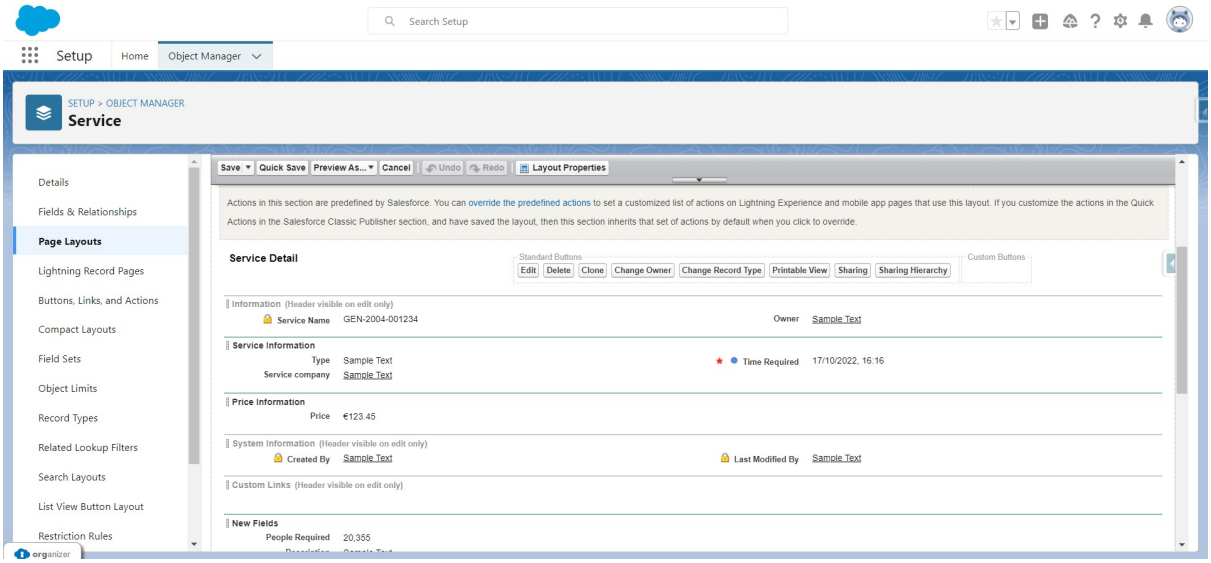

Search...
Pollub
Accounts
Account Services
Services
Payments
Invoices
Properties
Property Services
Service companies
Country Tax Rates
Service
S-0000
New Contact
Edit
New Case
Service Information
Type
jakiś pierwszy
Time Required
04/10/2022, 12:00
Service company
Robota
Price Information
Price
€5,452,345.00
Created By
Jakub Łabendowicz, 04/10/2022, 18:49
Last Modified By
Jakub Łabendowicz, 17/10/2022, 14:19
New Fields
People Required
Description
Additional options
organizer

Zadanie 3.2. Konfiguracja standardowych layoutów

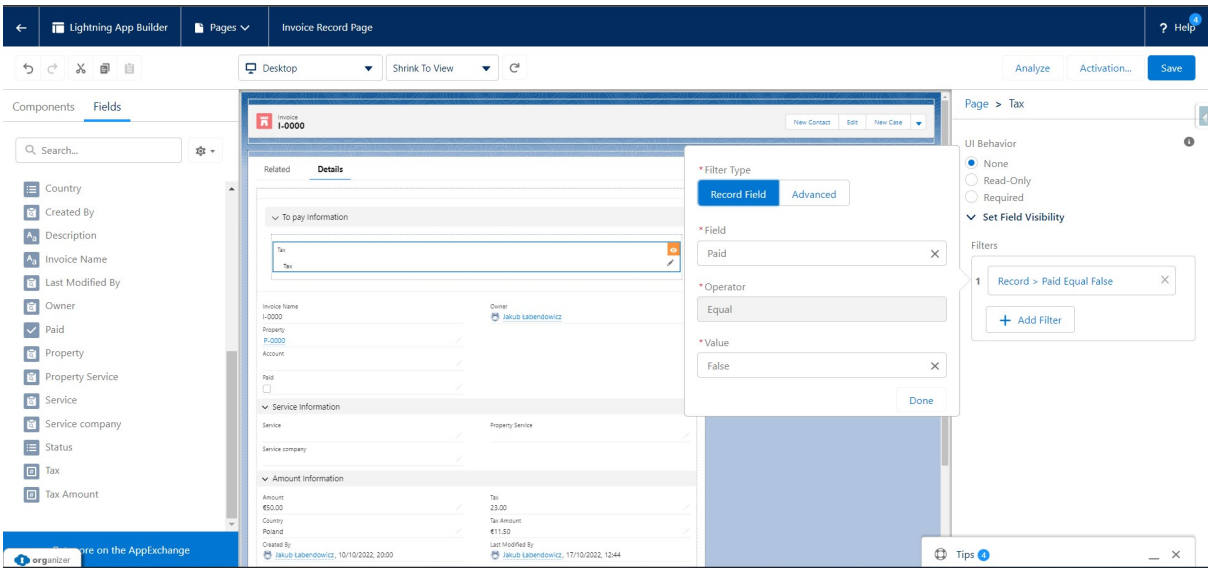


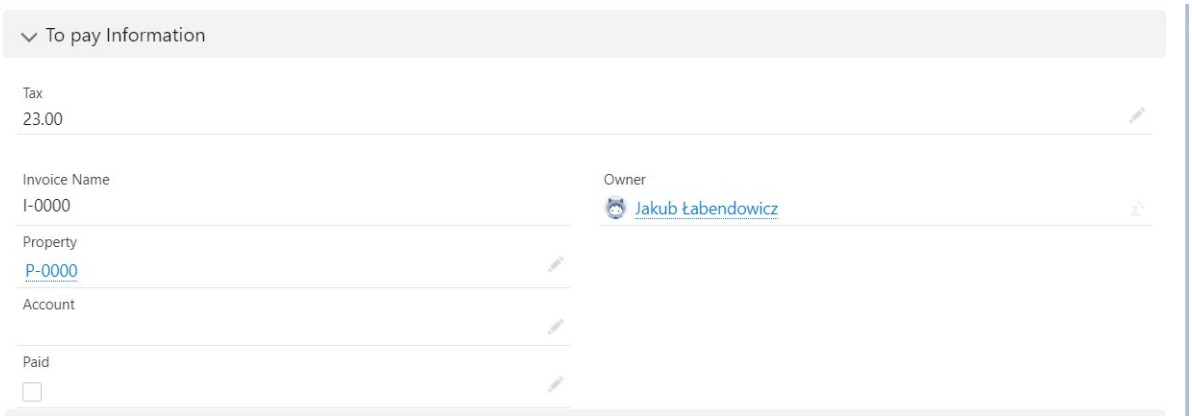


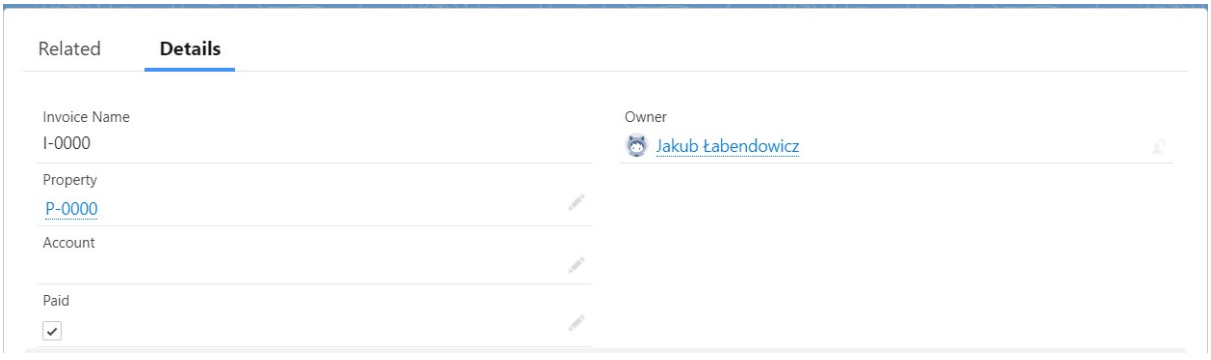

Search Setup
Setup
Home
Object Manager
SETUP > OBJECT MANAGER
Property
Details
Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Related Lookup Filters
Search Layouts
List View Button Layout
Restriction Rules
Save
Quick Save
Preview As...
Cancel
Undo
Redo
Layout Properties
Actions in the Salesforce Classic Publisher section, and have saved the layout, then this section inherits that set of actions by default when you click to override.
Property Detail
Standard Buttons
Edit
Delete
Clone
Change Owner
Change Record Type
Printable View
Custom Buttons
Information (Header visible on edit only)
Property Name GEN-2004-001234
Description Sample Text
Account Sample Text
Localization Information
Address Sample Text
Geolocation Sample Text
System Information (Header visible on edit only)
Created By Sample Text
Last Modified By Sample Text
Custom Links (Header visible on edit only)
New Fields
Status Sample Text
Size 857.55
Floor 71,313

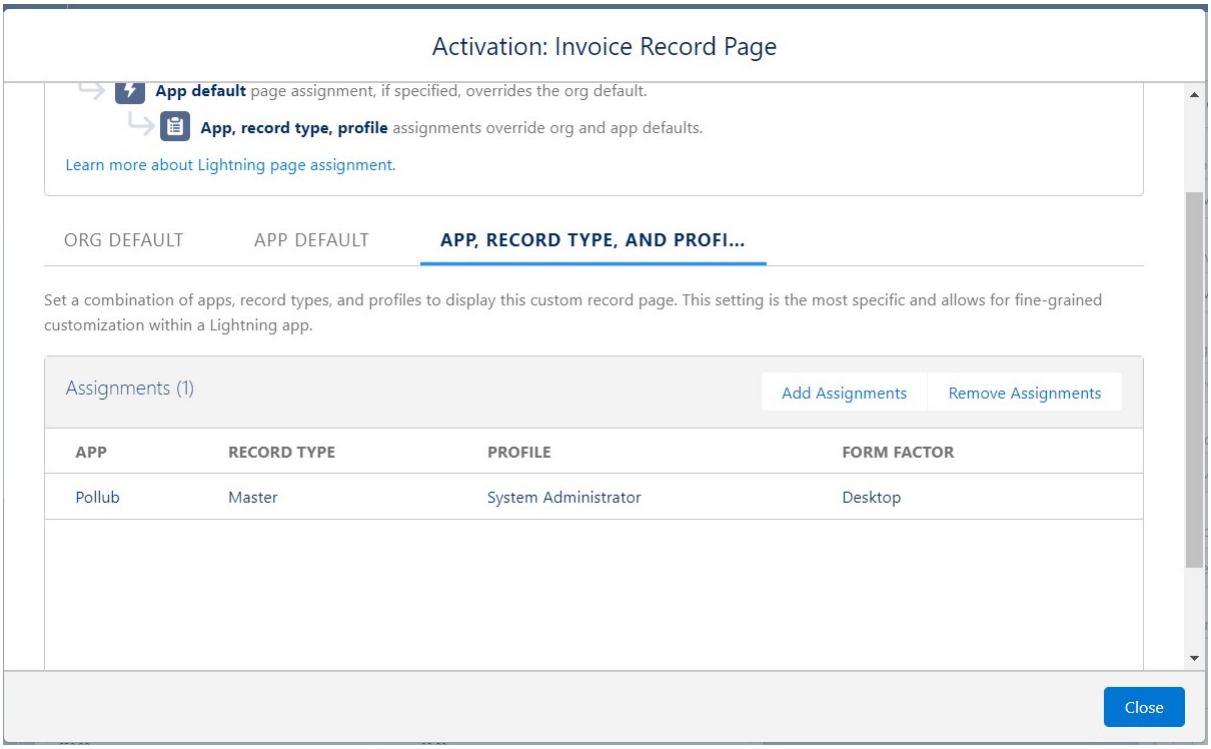

Search Setup
Setup
Home
Object Manager
SETUP > OBJECT MANAGER
Service
Details
Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Related Lookup Filters
Search Layouts
List View Button Layout
Restriction Rules
Save
Quick Save
Preview As...
Cancel
Undo
Redo
Layout Properties
Actions in this section are predefined by Salesforce. You can override the predefined actions to set a customized list of actions on Lightning Experience and mobile app pages that use this layout. If you customize the actions in the Quick Actions in the Salesforce Classic Publisher section, and have saved the layout, then this section inherits that set of actions by default when you click to override.
Service Detail
Standard Buttons
Edit
Delete
Clone
Change Owner
Change Record Type
Printable View
Sharing
Sharing Hierarchy
Custom Buttons
Information (Header visible on edit only)
Service Name GEN-2004-001234
Owner Sample Text
Service Information
Type Sample Text
Service company Sample Text
Time Required 17/10/2022, 16:16
Price Information
Price €123.45
System Information (Header visible on edit only)
Created By Sample Text
Last Modified By Sample Text
Custom Links (Header visible on edit only)
New Fields
People Required 20,355

Zadanie 3.3. Stworzenie Lightning Record Page

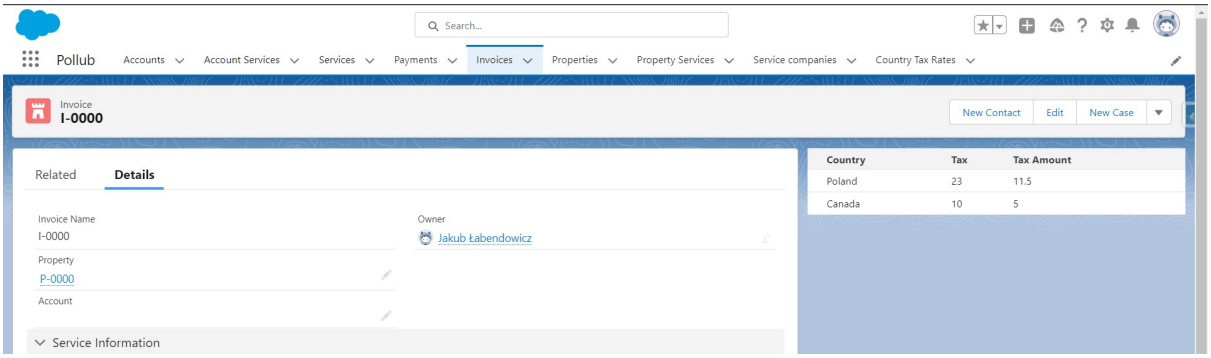







Activation: Invoice Record Page
App default page assignment, if specified, overrides the org default.
App, record type, profile assignments override org and app defaults.
Learn more about Lightning page assignment.
ORG DEFAULT
APP DEFAULT
APP, RECORD TYPE, AND PROFI...
Set a combination of apps, record types, and profiles to display this custom record page. This setting is the most specific and allows for fine-grained customization within a Lightning app.
Assignments (1)
Add Assignments
Remove Assignments
APP
RECORD TYPE
PROFILE
FORM FACTOR
Pollub
Master
System Administrator
Desktop
Close

Zadanie 3.4. Stworzenie komponentu LWC



pollub_CountryTaxRates.html

force-app > main > default > lwc > pollub_CountryTaxRates > pollub_CountryTaxRates.html > template

```
<template>
    <table class="slds-table slds-table_cell-buffer slds-table_bordered" aria-labelledby="element-with-table-label other-element-with-table-label">
        <thead>
            <tr class="slds-line-height_reset">
                <th>
                    <div class="slds-truncate" title="Country">Country</div>
                </th>
                <th class="" scope="col">
                    <div class="slds-truncate" title="Tax">Tax</div>
                </th>
                <th class="" scope="col">
                    <div class="slds-truncate" title="Tax Amount">Tax Amount</div>
                </th>
            </tr>
        </thead>
        <tbody>
            <template for:each={countryTaxRates} for:item="countryTaxRate">
                <tr key={countryTaxRate.Id} class="slds-hint-parent">
                    <td>
                        <div class="slds-truncate" title={countryTaxRate.record.Country__c}>{countryTaxRate.record.Country__c}</div>
                    </td>
                    <td>
                        <div class="slds-truncate" title={countryTaxRate.record.Tax__c}>{countryTaxRate.record.Tax__c}</div>
                    </td>
                    <td>
                        <div class="slds-truncate" title={countryTaxRate.taxAmount}>{countryTaxRate.taxAmount}</div>
                    </td>
                </tr>
            </template>
        </tbody>
    </table>
    <c-spinner show={showSpinner}></c-spinner>
</template>
```

pollub_CountryTaxRates.js

force-app > main > default > lwc > pollub_CountryTaxRates > pollub_CountryTaxRates.js > Pollub_CountriesTaxes > connectedCallback > then() callback

```
import { LightningElement, track, api } from 'lwc';
import selectCountryTaxRates from '@salesforce/apex/Pollub_CountryTaxRatesController.selectCountryTaxRates';
import selectInvoice from '@salesforce/apex/Pollub_CountryTaxRatesController.selectInvoice';
import {ShowToastEvent} from 'lightning/platformShowToastEvent';

export default class Pollub_CountriesTaxes extends LightningElement {
    @track showSpinner = false;
    @track countryTaxRates = [];
    @track invoice = {};

    @api recordId;

    connectedCallback() {
        this.showSpinner = true;

        selectInvoice({id: this.recordId})
        .then(result=>{
            this.invoice=result;
            this.showSpinner = false;

            selectCountryTaxRates()
            .then(result=>{
                this.countryTaxRates=result.map((countryTaxRate, index) => {
                    return {
                        record: countryTaxRate,
                        taxAmount: this.invoice.Amount__c * (countryTaxRate.Tax__c / 100)
                    }
                });
                console.log(this.countryTaxRates);
                this.showSpinner = false;
            })
            .catch(error=>{
            const errorToastEvent = new ShowToastEvent({
                    title:'Error!',
                    message:error.message,
                    variant:'Error'
                });
```

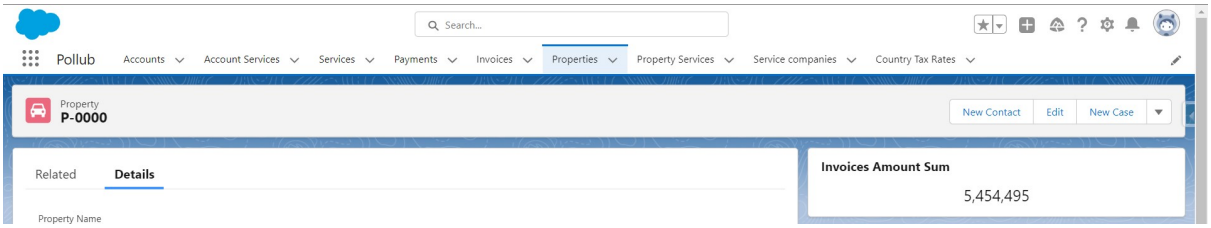
```
            selectCountryTaxRates()
            .then(result=>{
                this.countryTaxRates=result.map((countryTaxRate, index) => {
                    return {
                        record: countryTaxRate,
                        taxAmount: this.invoice.Amount__c * (countryTaxRate.Tax__c / 100)
                    }
                });
                console.log(this.countryTaxRates);
                this.showSpinner = false;
            })
            .catch(error=>{
            const errorToastEvent = new ShowToastEvent({
                    title:'Error!',
                    message:error.message,
                    variant:'Error'
                });
                this.dispatchEvent(errorToastEvent);
                this.showSpinner = false;
            });
        })
        .catch(error=>{
            const errorToastEvent = new ShowToastEvent({
                title:'Error!',
                message:error.message,
                variant:'Error'
            });
            this.dispatchEvent(errorToastEvent);
            this.showSpinner = false;
        });
    }
}
```

pollub_CountryTaxRates.js | Pollub_CountryTaxRatesController.cls

force-app > main > default > classes > Pollub_CountryTaxRatesController.cls

```
public with sharing class Pollub_CountryTaxRatesController {
    @AuraEnabled
    public static List<Country_Tax_Rate__c> selectCountryTaxRates(){
        try {
            List<Country_Tax_Rate__c> countryTaxRates = [
                SELECT Id, Name, Country__c, Tax__c
                FROM Country_Tax_Rate__c
            ];
            return countryTaxRates;
        } catch (Exception e) {
            throw new AuraHandledException(e.getMessage());
        }
    }

    @AuraEnabled
    public static Invoice__c selectInvoice(Id id){
        try {
            List<Invoice__c> countryTaxRates = [
                SELECT Id, Name, Amount__c
                FROM Invoice__c
                WHERE Id = :id
            ];
            return countryTaxRates[0];
        } catch (Exception e) {
            throw new AuraHandledException(e.getMessage());
        }
    }
}
```

Zadanie 3.5. Stworzenie komponentu Aura



Pollub_PropertyInvoicesAmountSum.cmp

force-app > main > default > aura > Pollub_PropertyInvoicesAmountSum > Pollub_PropertyInvoicesAmountSum.cmp > ...

```
<aura:component controller="Pollub_PropertyInvoicesAmountSumCtrl" implements="flexipage:availableForAllPageTypes, force:lightningQuickAction,force:hasRecordId">
    <aura:attribute name="recordId" type="String" />
    <aura:attribute name="propertyInvoicesAmountSum" type="Decimal" default="0"/>

    <aura:handler name="init" value="{! this}" action="{!c.onInit}"/>

    <lightning:card title="Invoices Amount Sum">
        <div style="display: flex; flex-direction: flow; justify-content: center; font-size: 20px;">
            <ui:outputNumber value="{!v.propertyInvoicesAmountSum}"/>
        </div>
    </lightning:card>
</aura:component>
```

Pollub_PropertyInvoicesAmountSumController.js

force-app > main > default > aura > Pollub_PropertyInvoicesAmountSum > Pollub_PropertyInvoicesAmountSumController.js > ...

```
({
    onInit: function(component, event, helper) {
        helper.getPropertyInvoicesAmountSum(component, event, helper);
    }
})

```

Pollub_PropertyInvoicesAmountSumHelper.js

force-app > main > default > aura > Pollub_PropertyInvoicesAmountSum > Pollub_PropertyInvoicesAmountSumHelper.js > ...

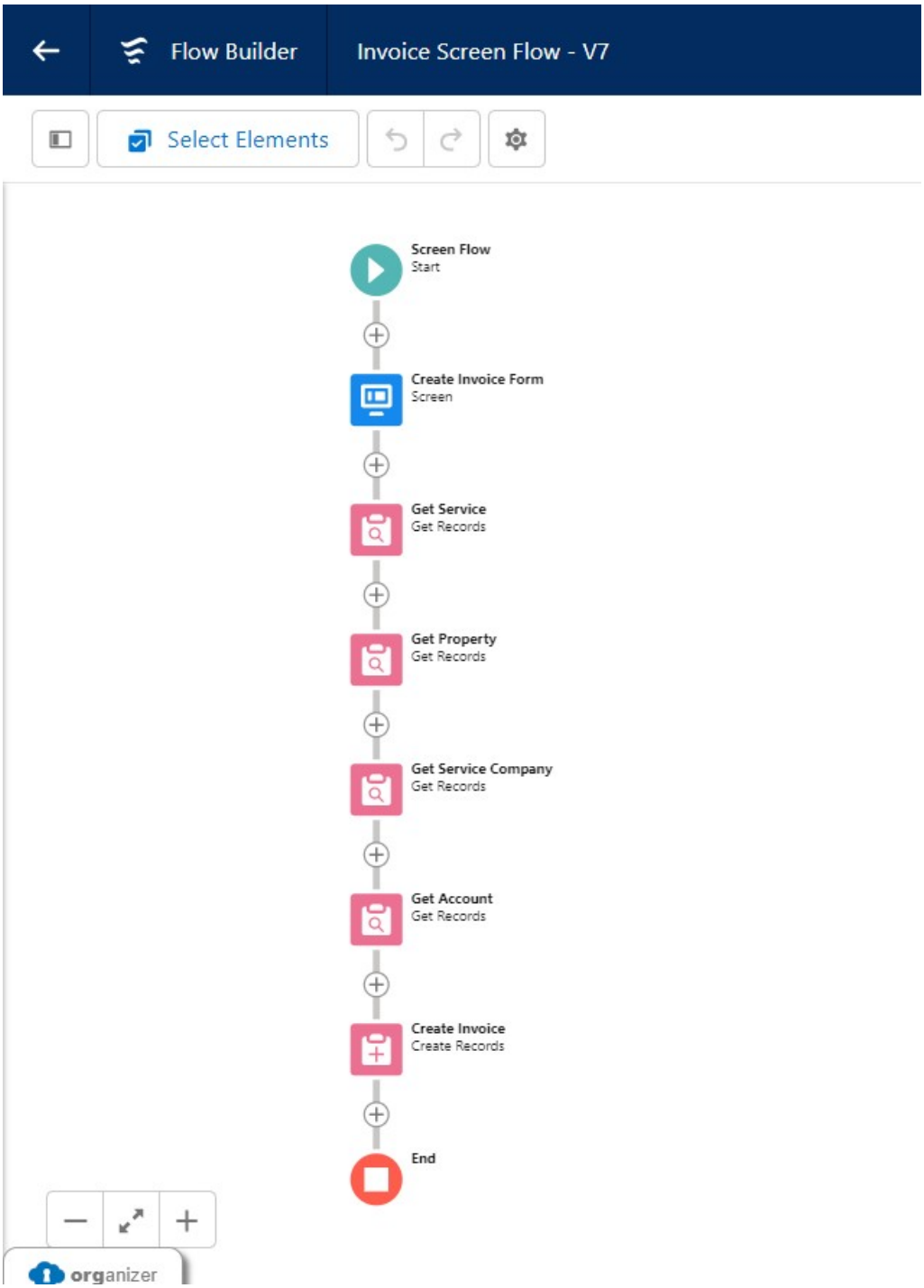
```
({
    getPropertyInvoicesAmountSum : function(component, event, helper) {
        const id = component.get('v.recordId');
        var action = component.get("c.selectPropertyInvoicesAmountSum");
        action.setParams({id : id});
        action.setCallback(this, function(response) {
            if(response.getState() === 'SUCCESS') {
                let value = response.getReturnValue();
                component.set('v.propertyInvoicesAmountSum', value);
            } else if(response.getState() === 'ERROR') {


            }
        });
        $A.enqueueAction(action);
    }
})
```

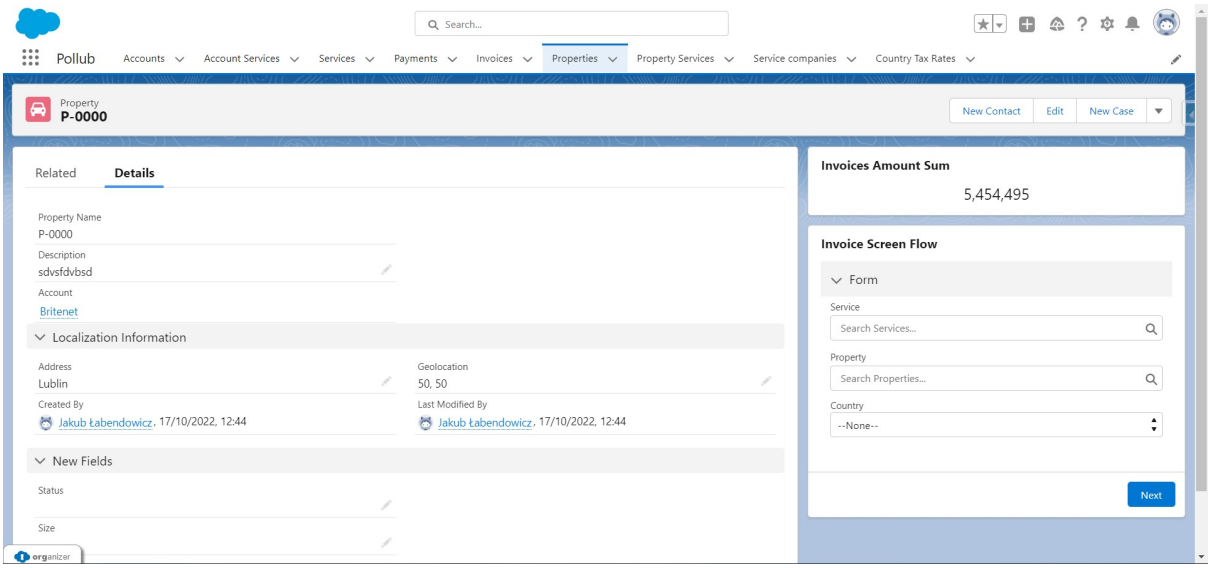
Pollub_PropertyInvoicesAmountSumCtrl.cls

force-app > main > default > classes > Pollub_PropertyInvoicesAmountSumCtrl.cls

```
public with sharing class Pollub_PropertyInvoicesAmountSumCtrl {
    @AuraEnabled
    public static Decimal selectPropertyInvoicesAmountSum(Id id){
        try {
            List<Invoice__c> invoices = [
                SELECT Id, Name, Amount__c
                FROM Invoice__c
                WHERE Property__c = :id
            ];
            Decimal propertyInvoicesAmountSum = 0;
            for (Invoice__c invoice : invoices) {
                if (invoice.Amount__c != null) {
                    propertyInvoicesAmountSum = propertyInvoicesAmountSum + invoice.Amount__c;
                }
            }
            return propertyInvoicesAmountSum;
        } catch (Exception e) {
            throw new AuraHandledException(e.getMessage());
        }
    }
}
```

Zadanie 3.6. Stworzenie Screen Flow do stworzenia zamówienia na usługę




Search...
Pollub
Accounts
Account Services
Services
Payments
Invoices
Properties
Property Services
Service companies
Country Tax Rates
Property
P-0000
New Contact
Edit
New Case
Related
Details
Property Name
P-0000
Description
sdvsfdvbsd
Account
Britenet
Localization Information
Address
Lublin
Geolocation
50, 50
Created By
Jakub Łabendowicz, 17/10/2022, 12:44
Last Modified By
Jakub Łabendowicz, 17/10/2022, 12:44
New Fields
Status
Size
Invoices Amount Sum
5,454,495
Invoice Screen Flow
Form
Service
Search Services...
Property
Search Properties...
Country
--None--
Next