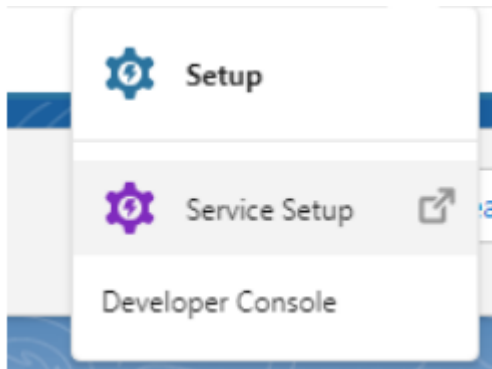
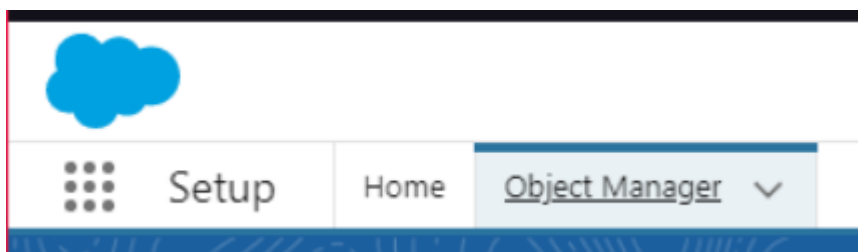


Metajęzyki - ćwiczenie 3 i 4

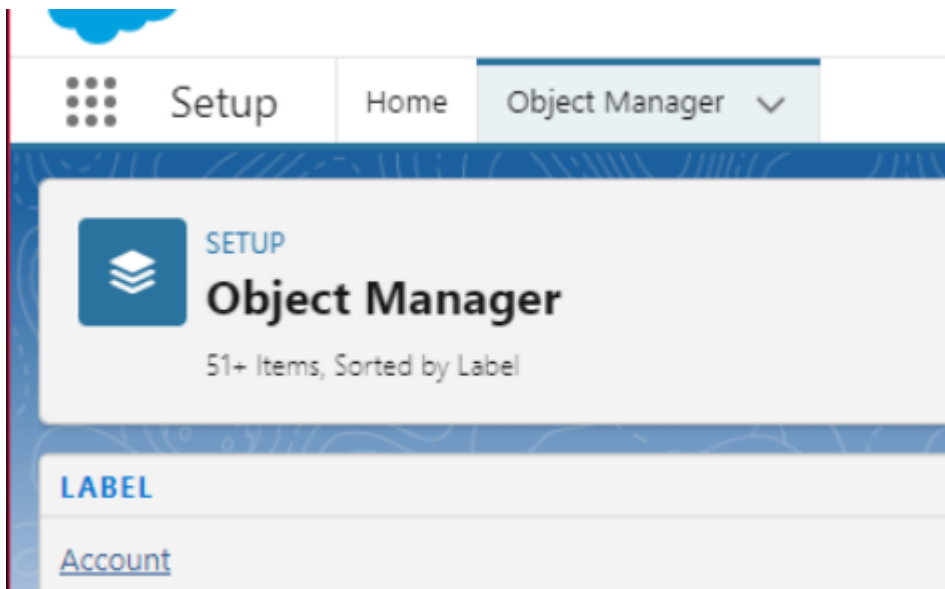
1. Po zalogowaniu do systemu w prawym górnym rogu kliknąć w ikonę zębatki a następnie nacisnąć "Setup".



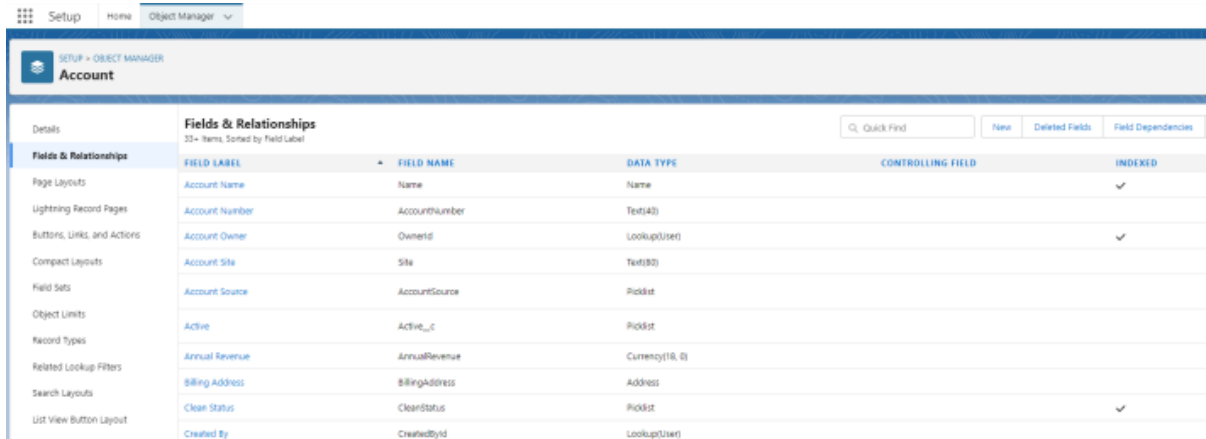
2. Z zakładek nawigacyjnych wybrać "Object Manager".



3. Wyszukać i wybrać z listy obiekt "Account".



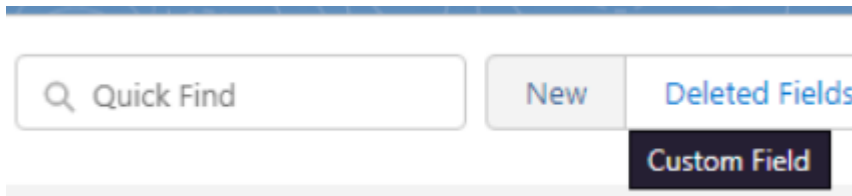
4. Z menu po lewej stronie wybrać “Fields & Relationships”.



The screenshot shows the Salesforce Setup interface. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'. The left sidebar shows a list of setup options, with 'Fields & Relationships' selected. The main content area displays the 'Fields & Relationships' section for the 'Account' object, showing 33 items sorted by field label. The table lists various fields with their names, data types, and whether they are indexed.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Account Name	Name	Name		✓
Account Number	AccountNumber	Text(40)		
Account Owner	OwnerId	Lookup(User)		✓
Account Site	Site	Text(80)		
Account Source	AccountSource	Picklist		
Active	Active__c	Picklist		
Annual Revenue	AnnualRevenue	Currency(18, 2)		
Billing Address	BillingAddress	Address		
Clean Status	CleanStatus	Picklist		✓
Created By	CreatedById	Lookup(User)		

5. Nacisnąć przycisk z prawej strony “New”.



This close-up shows the top right corner of the interface. It includes a 'Quick Find' search bar, a 'New' button, a 'Deleted Fields' link, and a 'Custom Field' button.

6. Wybrać typ “Currency” nowego pola i nacisnąć “Next”

Account New Custom Field

Step 1. Choose the field type

Specify the type of information that the custom field will store

Data Type

☐ None Selected

☐ Auto Number

☐ Formula

☐ Roll-Up Summary

☐ Lookup Relationship

☐ External Lookup Relationship

☐ Checkbox

☒ Currency

7. W Field Label wpisać “Income” i nacisnąć “Next”.

Step 2. Enter the details

Field Label [i](#)

Please enter the length of the number and the number of decimal places

Length

Number of digits to the left of the decimal point

Field Name [i](#)

8. Wybrać checkbox “Visible” aby był dostępny dla każdego użytkownika i nacisnąć “Next”.

Field Label	Income
Data Type	Currency
Field Name	Income
Description	

Select the profiles to which you want to grant edit access to this field via field-level security. The field will be hidden from all profiles if you do not add it to field-level security.

Field-Level Security for Profile	<input checked="" type="checkbox"/> Visible
Analytics Cloud Integration User	<input checked="" type="checkbox"/>
Analytics Cloud Security User	<input checked="" type="checkbox"/>
Authenticated Website	<input checked="" type="checkbox"/>
Authenticated Website	<input checked="" type="checkbox"/>
Contract Manager	<input checked="" type="checkbox"/>
Cross Org Data Proxy User	<input checked="" type="checkbox"/>
Custom: Marketing Profile	<input checked="" type="checkbox"/>
Custom: Sales Profile	<input checked="" type="checkbox"/>
Custom: Support Profile	<input checked="" type="checkbox"/>
Customer Community Login User	<input checked="" type="checkbox"/>
Customer Community Plus Login User	<input checked="" type="checkbox"/>
Customer Community Plus User	<input checked="" type="checkbox"/>
Customer Community User	<input checked="" type="checkbox"/>
Customer Portal Manager Custom	<input checked="" type="checkbox"/>
Customer Portal Manager Standard	<input checked="" type="checkbox"/>
External Apps Login User	<input checked="" type="checkbox"/>

9. Nie zmieniając zaznaczonych opcji na następnym ekranie nacisnąć “Save”.

Step 4. Add to page layouts

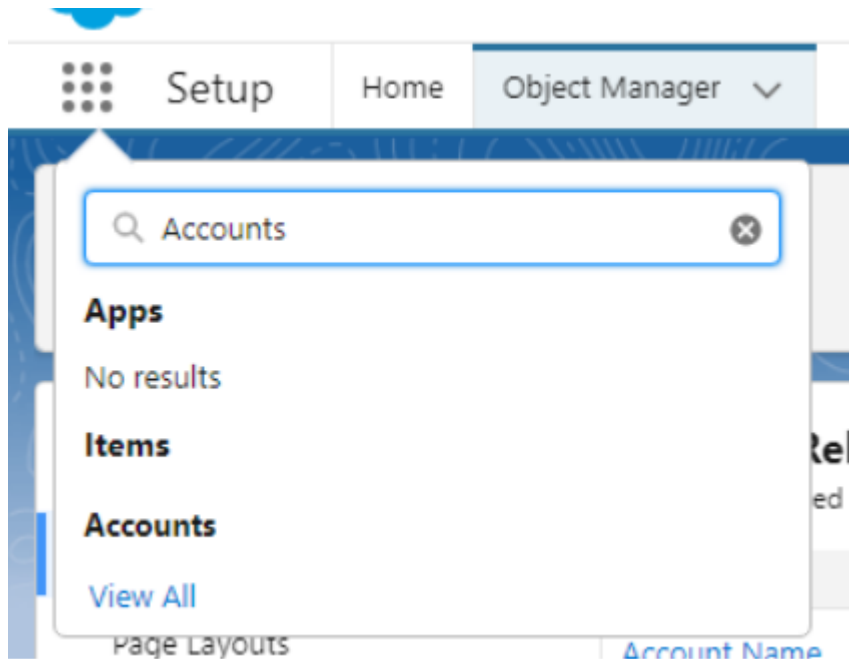
Field Label	Income
Data Type	Currency
Field Name	Income
Description	

Select the page layouts that should include this field. The field will be added as the last field in the first 2-column section of these page layouts. The field will not appear on any pages if you do not select a layout.

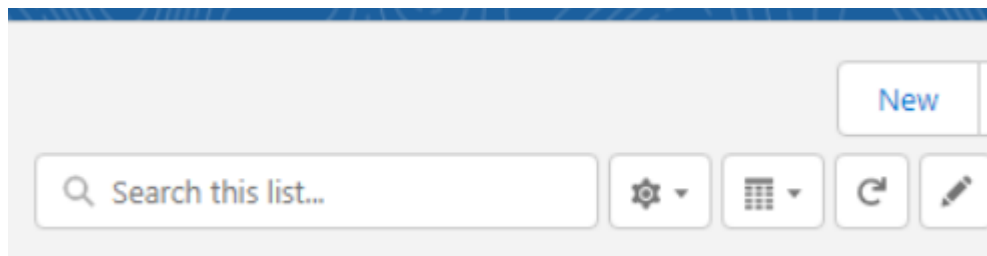
To change the location of this field on the page, you will need to customize the page layout.

<input checked="" type="checkbox"/> Add Field	Page Layout Name
<input checked="" type="checkbox"/>	Account (Marketing) Layout
<input checked="" type="checkbox"/>	Account (Sales) Layout
<input checked="" type="checkbox"/>	Account (Support) Layout
<input checked="" type="checkbox"/>	Account Layout

10. W lewym górnym rogu wybrać ikonę a następnie wpisać i wybrać Accounts.



11. Za pomocą przycisku “New” dodać 10 rekordów Account.



12. W zakładce „Accounts” można podejrzeć utworzone konta

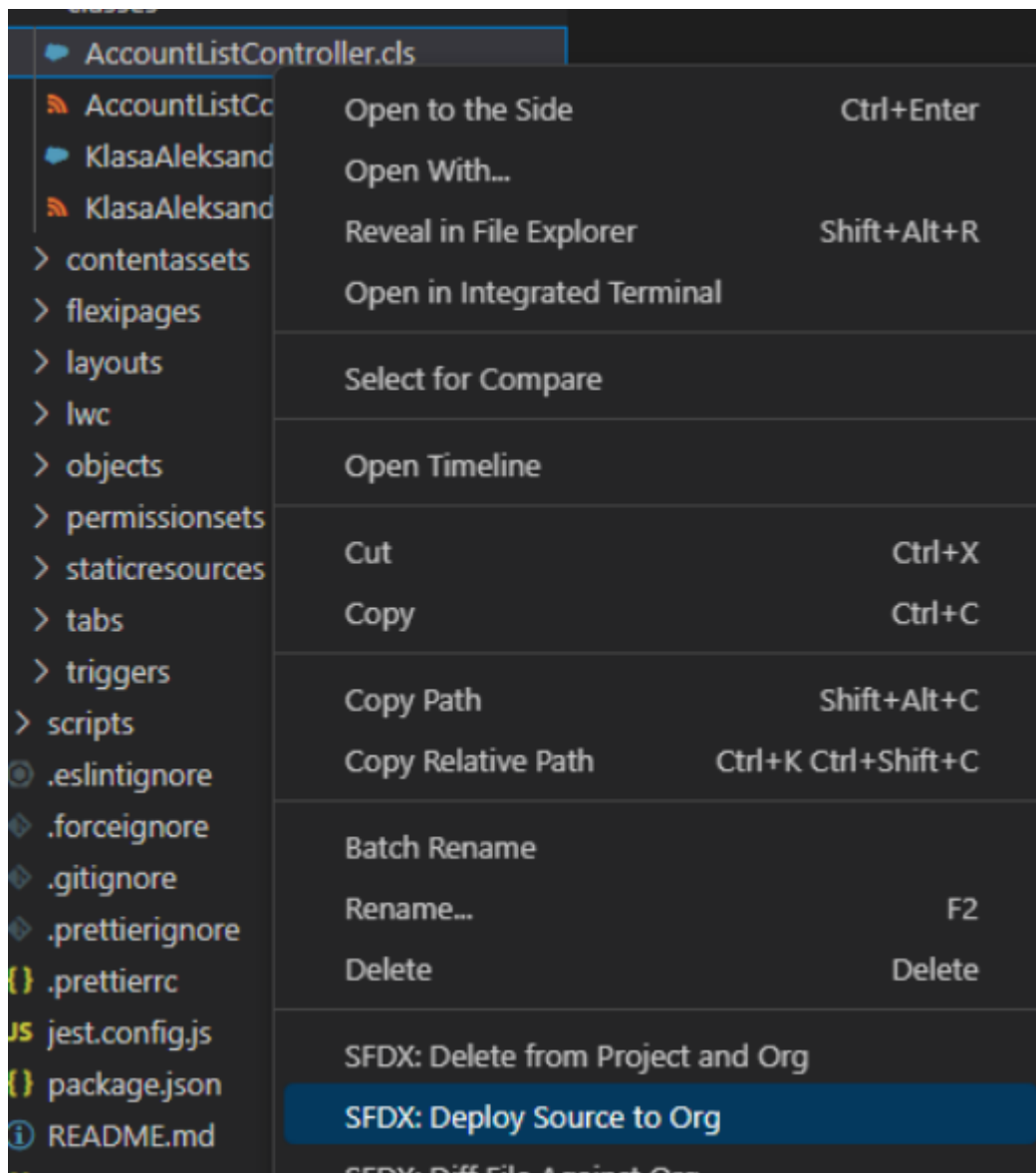
The screenshot shows the Salesforce 'Accounts' table with 10 records. The table has columns for Account Name, Account Site, Phone, and Account Owner Alias. The records are sorted by Account Name.

	Account Name	Account Site	Phone	Account Owner Alias
1	Balika Mari		745380214	ASylw
2	Ishai Balanaram		987526365	ASylw
3	Manaya Edhuvai		752148364	ASylw
4	Madhinar Duranaram		594587412	ASylw
5	Madhinar Madhinar		794512682	ASylw
6	Madhinar Lunaa		987456321	ASylw
7	Madhinar Ashhuthi		365234485	ASylw
8	Sumanuru Ruanathu		983885159	ASylw
9	Ukayua Edhuvai		854832158	ASylw
10	Umanu Zakaryas		854832983	ASylw

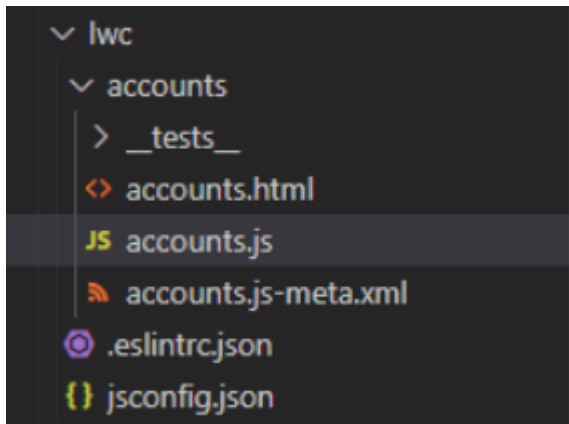
13. Za pomocą skrótu ctrl + shift + p wybrać "> Create Apex Class".
Wpisać nazwę AccountListController a następnie wpisać kod:

```
force-app > main > default > classes > AccountListController.cls
1 public with sharing class AccountListController {
2     @AuraEnabled(cacheable=true)
3     public static List<Account> getAccountList(){
4         List<Account> accountList = [SELECT Id, Name, Type, Phone, Income__c FROM Account];
5         return accountList;
6     }
7 }
```

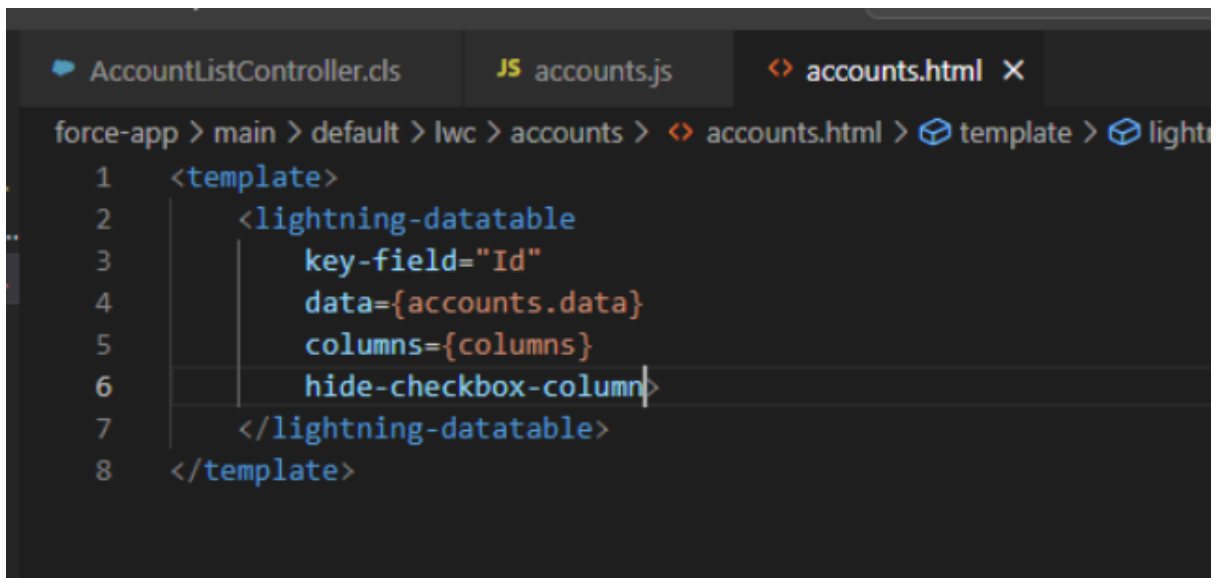
14. Nacisnąć prawym przyciskiem myszy na utworzoną klasę w polu nawigacyjnym po lewej stronie i wybrać "SFDX: Deploy Source to Org".



15. Następnie używając skrótu ctrl + shift + p wybieramy "> Create Lightning Web Component", wpisujemy nazwę "accounts".



16. W pliku accounts.html w komponencie należy wpisać kod:



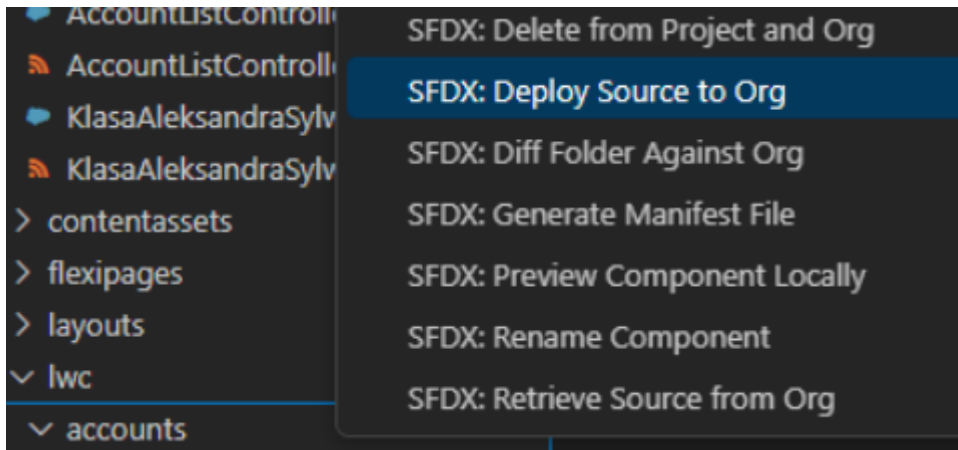
17. W pliku accounts.js w komponencie należy wpisać kod:

```
AccountListController.cls  JS accounts.js X  accounts.html
force-app > main > default > lwc > accounts > JS accounts.js > Accounts
1  import { LightningElement, wire } from 'lwc';
2  import getAccountList from
3    '@salesforce/apex/AccountListController.getAccountList';
4
5  const columns = [
6    {label: 'Account Id', fieldName: 'Id'},
7    {label: 'Account Name', fieldName: 'Name'},
8    {label: 'Account Phone', fieldName: 'Phone'},
9    {label: 'Account Type', fieldName: 'Type'},
10   {label: 'Account Income', fieldName: 'Income'}
11 ]
12
13 export default class Accounts extends LightningElement {
14   columns = columns;
15   @wire(getAccountList) accounts;
16 }
```

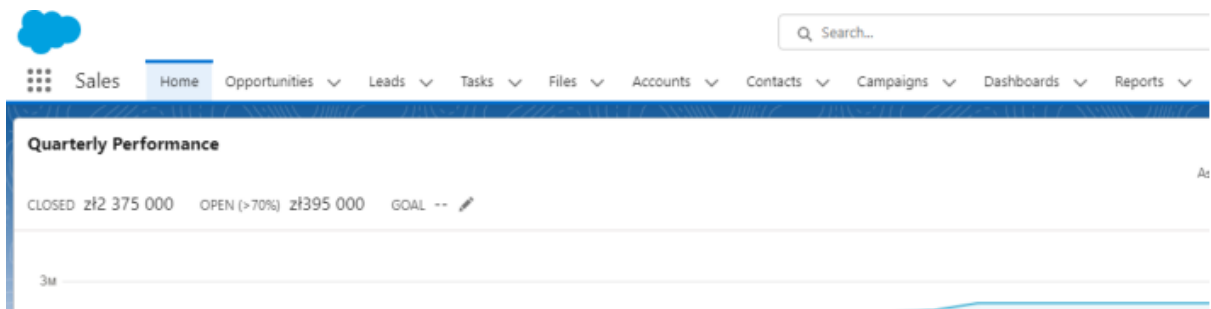
18. W pliku accounts.js-meta.xml w komponencie należy wpisać kod:

```
force-app > main > default > lwc > accounts > accounts.js-meta.xml
1  <?xml version="1.0" encoding="UTF-8"?>
2  <LightningComponentBundle xmlns="http://soap.sforce.com/2006/04/metadata">
3    <apiVersion>56.0</apiVersion>
4    <isExposed>true</isExposed>
5    <targets>
6      <target>lightning__AppPage</target>
7      <target>lightning__RecordPage</target>
8      <target>lightning__HomePage</target>
9    </targets>
10  </LightningComponentBundle>
```

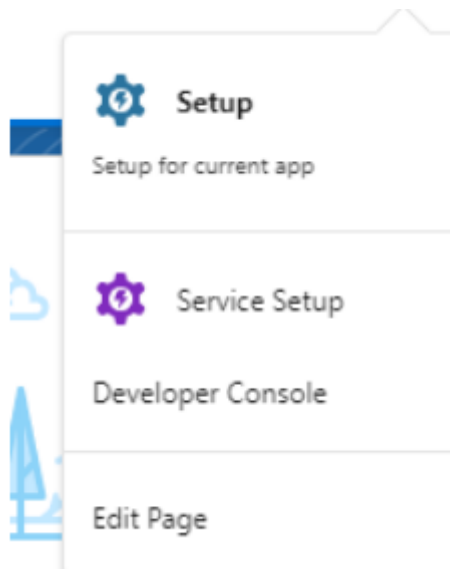
19. Nacisnąć prawym przyciskiem myszy na stworzony komponent „accounts” w polu nawigacyjnym po lewej stronie i wybrać “SFDX Deploy Source to Org”.



20. Na naszym środowisku w Salesforce w przeglądarce wybrać zakładkę „Home” z paska zakładek.



21. Wybrać ikonę zębatki w prawym górnym rogu i wybrać “Edit Page”



22. Na liście po lewej stronie zjechać w dół do zakładki “Custom”. Przeciągnąć nasz komponent o nazwie accounts na prawy panel podglądu strony głównej. Należy znaleźć miejsce które podświetla się na zielono.

accounts

accounts
Supported form factors: desktop

Custom - Managed (0)

Account Id	Account Name	Account Phone	Account Type	Account Income
0010900001uP7VuAAK	Uranaru Zakiyara	654852963	Technology Partner	
0010900001uP7VvAAK	Mashirunu Lunua	987456321	Channel Partner / Reseller	
0010900001uP7a3AAC	Nashinar Ashtushti	365236485	Installation Partner	
0010900001uP7a4AAC	Sumarunu Ruanashtu	963865159	Customer - Direct	
0010900001uP7a5AAC	Mashiram Mashinu	784512632	Customer - Direct	
0010900001uP7iHAAS	Maraya Eshuwla	752146364	Prospect	
0010900001uP7iIAAS	Ukuyua Eshunar	854632158	Customer - Direct	
0010900001rqtekAAA	Sample Account for Entitle...			
0010900001t9CqNAAU	GenePoint	(650) 867-3450	Customer - Channel	
0010900001t9CqLAAU	United Oil & Gas, UK	+44 191 4956203	Customer - Direct	
0010900001t9CqMAAU	United Oil & Gas, Singapore	(650) 450-8810	Customer - Direct	
0010900001t9CqDAAU	Edge Communications	(512) 757-6000	Customer - Direct	
0010900001t9CqEAAU	Burlington Textiles Corp of ...	(336) 222-7000	Customer - Direct	
0010900001t9CqFAAU	Pyramid Construction Inc.	(014) 427-4427	Customer - Channel	
0010900001t9CqGAAU	Dickenson plc	(785) 241-6200	Customer - Channel	
0010900001t9CqHAAU	Grand Hotels & Resorts Ltd	(312) 596-1000	Customer - Direct	
0010900001t9CqJAAU	Express Logistics and Trans...	(503) 421-7800	Customer - Channel	
0010900001t9CqKAAU	University of Arizona	(520) 773-9050	Customer - Direct	
0010900001t9CqIAAU	United Oil & Gas Corp.	(212) 842-5500	Customer - Direct	
0010900001t9CqOAAU	sForce	(415) 901-7000		
0010900001uP6yCAAS	Mashinar Duranaram	596587412	Channel Partner / Reseller	
0010900001uP6yDAAS	Ishni Balanaram	987526365	Technology Partner	
0010900001uP7IRAAS	Balaba Marati	745365214	Prospect	

23. Zapisać za pomocą przycisku “Save” w prawym górnym rogu. Zatwierdzić przyciskiem „Activate”.

Page Saved

Activate this page to make it visible to your users.

Activate the page now, or do it later using the Activation button in the App Builder toolbar.

24. Sprawdzić, czy komponent poprawnie wyświetla się na stronie głównej.

