Sii Whitelist of Taxpayers

SAP Fiori Application

Mateusz Skadorwa

1. Table of content

1. Table of content 1
2. Protocol 1
3. About the product 2
4. Architecture of solution 3
4.1 Frontend layer 4
5. Limitations 4

2. Protocol

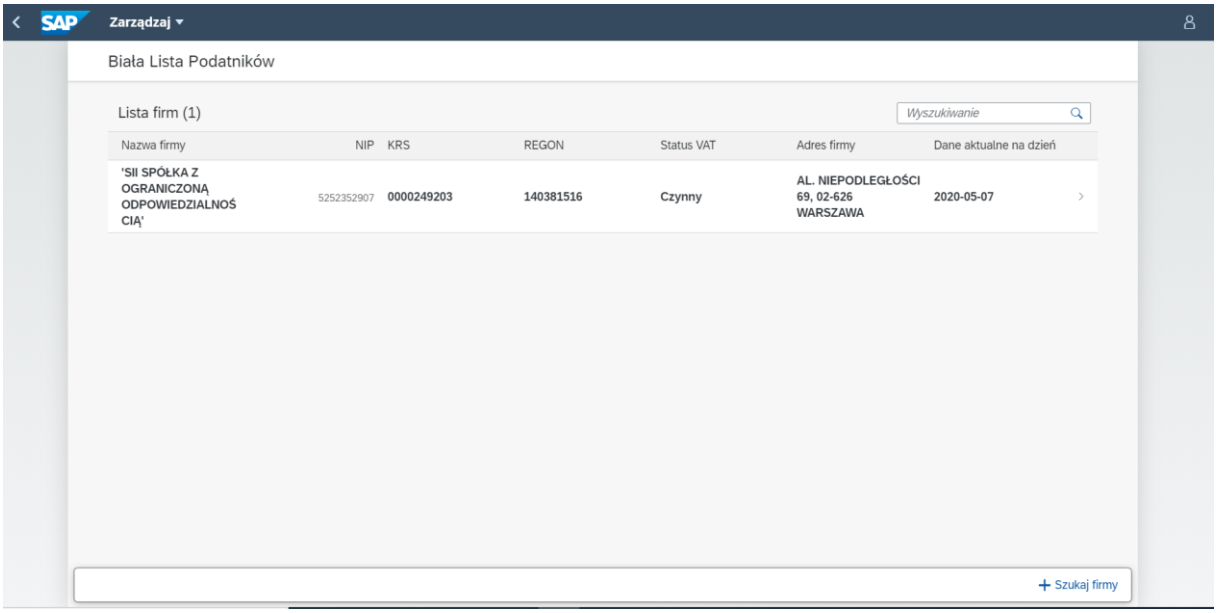
Date	Responsible for	Change
08.05.2020	Mateusz Skadorwa	Initial document

3. About the product

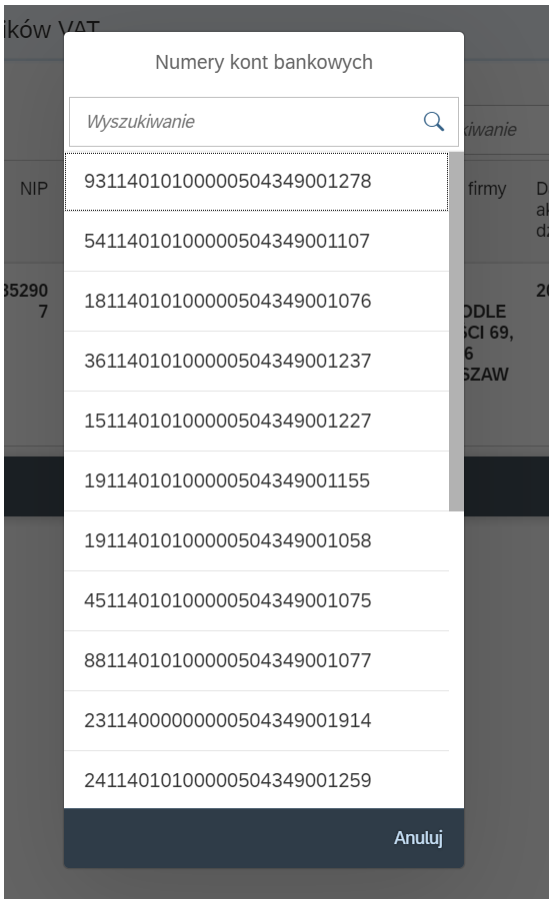
Sii Whitelist of Taxpayer is a Fiori Application, which help the polish customers to accelerate the business. The product helps end-users to check, if the cooperating company is registered as a VAT Tax payer. Application enables to check, if the invoice data are correctly and if the bank accounts has been correctly assigned. To prove it, we established connection with API of polish Government, which return us the most important information about selected company.

The product provides a high quality of development. It has been built as a Fiori Launchpad Component, so you can use it as a Standalone application, or you can make Cross Navigation from you existing Application.

The UX of application is in accordance with SAP Fiori Guidelines. Your users will not be surprised, because the application looks like any Fiori products.



Picture 1 - Main Page of Application. List of companies

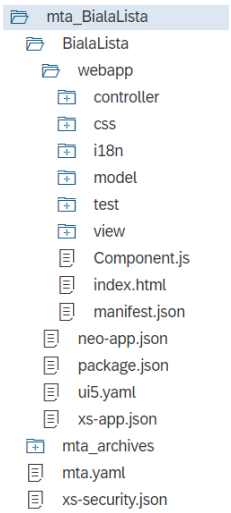


Picture 2 - List of bank accounts

4. Architecture of solution

Sii Whitelist of Taxpayer is Fiori Application, which based on SAPUI5 Framework. It has been built as a Multi Target Application. For the customers the solution is offed as SaaS.

The structure of project looks as follows:



Folder `BialaLista` has all source codes, responsible for the UI layer and automatic testing of UI. There is no database, because the version allows only to display current data from API of polish Government.

4.1 Frontend layer

UI layer contain 3 view:

- Main view (ListView)
- Dialog1 (AddCompanyDialog)
- Dialog2 (AccountsDialog)

Main View displays particular information about selected company. There is navigation on the particular item, which allows to display all assigned bank accounts.

5. Limitations

API of polish Government allows only on 20 Calls of API each day. These limit is handled at Application. Furthermore, each of API issue is displayed for the users.

6. Security

Application uses AJAX Calls, but the headers of calls has been limited only to the API of polish Government. So it allows to avoid CORS issues, but limitation of headers secure the APP.