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Kom : A

1. How To Create Modeling Data With Out System

Petama sekali download file modelings data pada kotak merah tersebut. Lalu extract file pada direktori yang sudah kita sediakan sebagai tempat penyimpanan.

The screenshot shows the OutSystems Community interface. The main content area is titled 'Data Modeling Exercise' and includes instructions on creating entities. A red box highlights the 'Lesson Materials' download button. To the right, a sidebar lists 'Course Lessons' including 'Modeling Data', 'Database Entities', 'Static Entities', and 'Exercise'. A chatbot icon is visible in the bottom right corner.

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Exercise

Data Modeling Exercise

In this exercise, we will focus on creating the first entities in OutSystems. To do so, we will perform the following actions:

- Bootstrap an Entity and its data from an Excel file
- Create an Entity and its attributes
- Bootstrap data into an existing entity

Upon completion, we will end up with two entities and both will contain data that was bootstrapped from Excel files.

You can download a ZIP file of the **Exercise Materials** by clicking the button below (login required). It contains all the resources needed for this Lesson, including the Exercise Guide PDF.

[Lesson Materials](#)

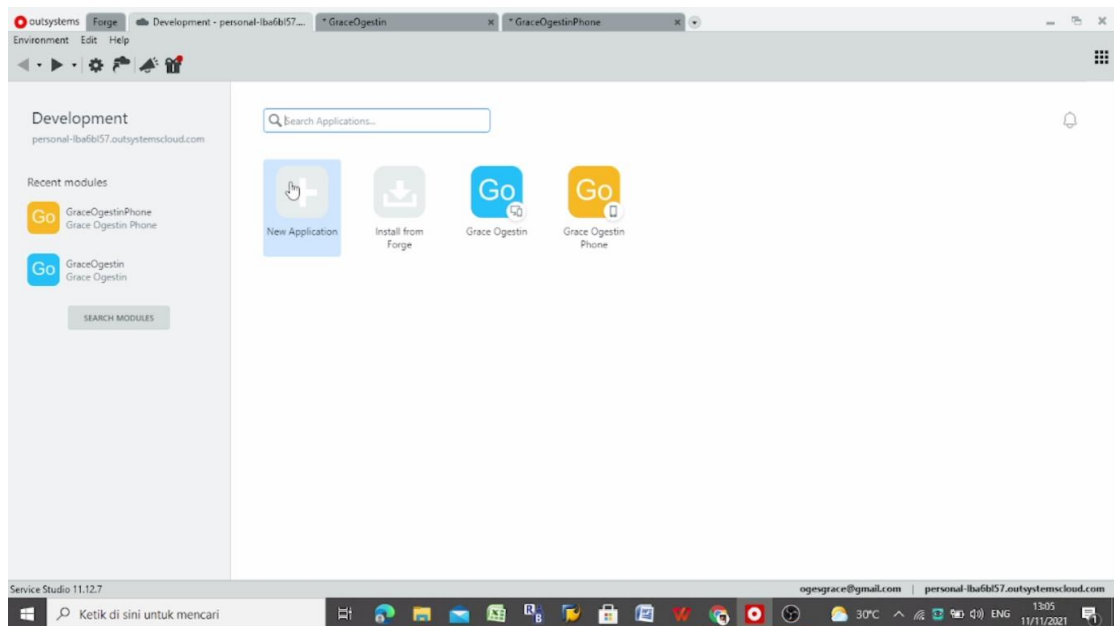
Need help with this course? Ask in our Forums.
Have an idea to improve your learning experience? Share in Ideas.

Have any questions? I can answer them!

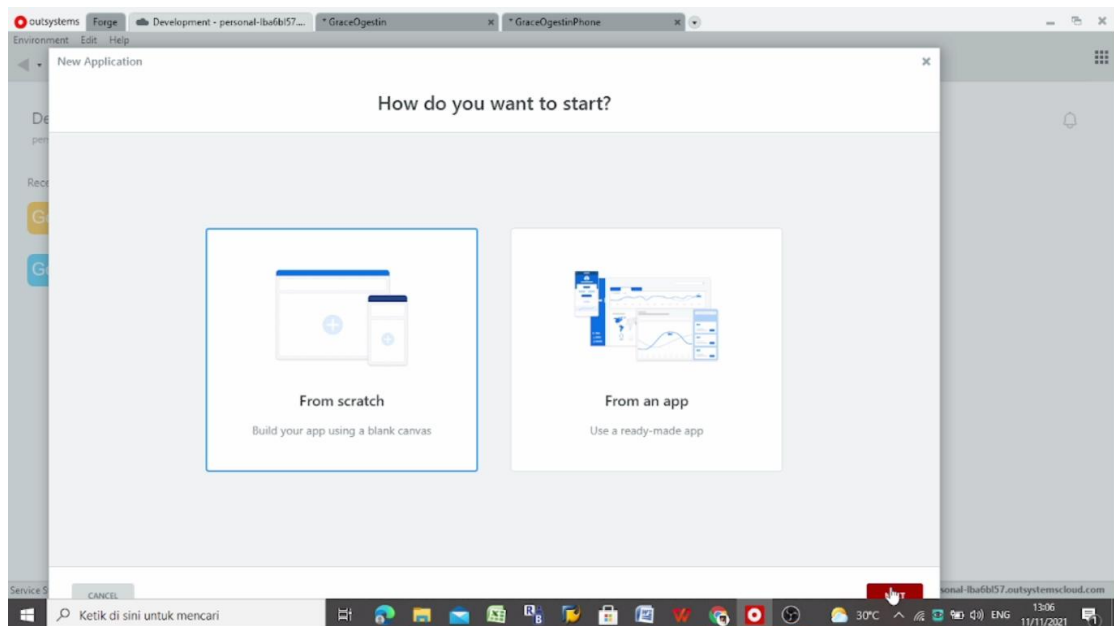
Setelah di ekstrak maka file akan berisikan data seperti berikut

The screenshot shows a Windows File Explorer window with the path 'This PC > Data (D:) > Semester 5 > EDS > Resources'. The folder contains three items: 'Data-Modeling-Exercise-Icon.png' (9 KB), 'Departments.xlsx' (10 KB), and 'Employee.xlsx' (10 KB). A tooltip is visible over the 'Employee.xlsx' file, showing its properties: 'Item type: PNG File', 'Dimensions: 600 x 600', and 'Size: 8.01 KB'.

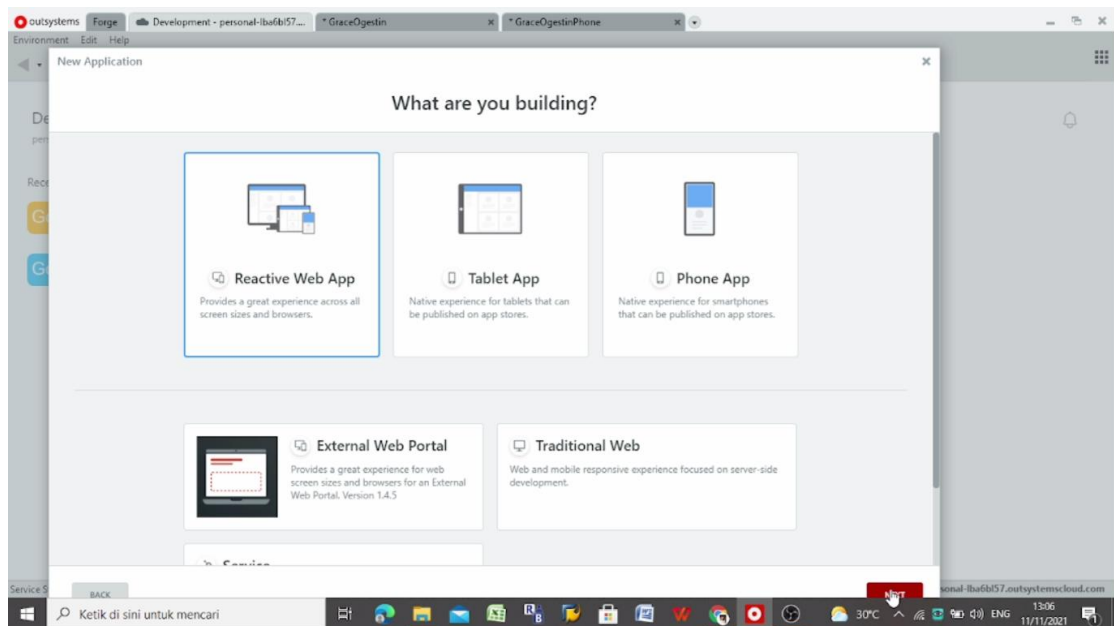
Name	Date modified	Type	Size
Data-Modeling-Exercise-Icon	01/10/2019 19:37	PNG File	9 KB
Departments	01/10/2019 19:37	XLSX Worksheet	10 KB
Employee	01/10/2019 19:37	XLSX Worksheet	10 KB



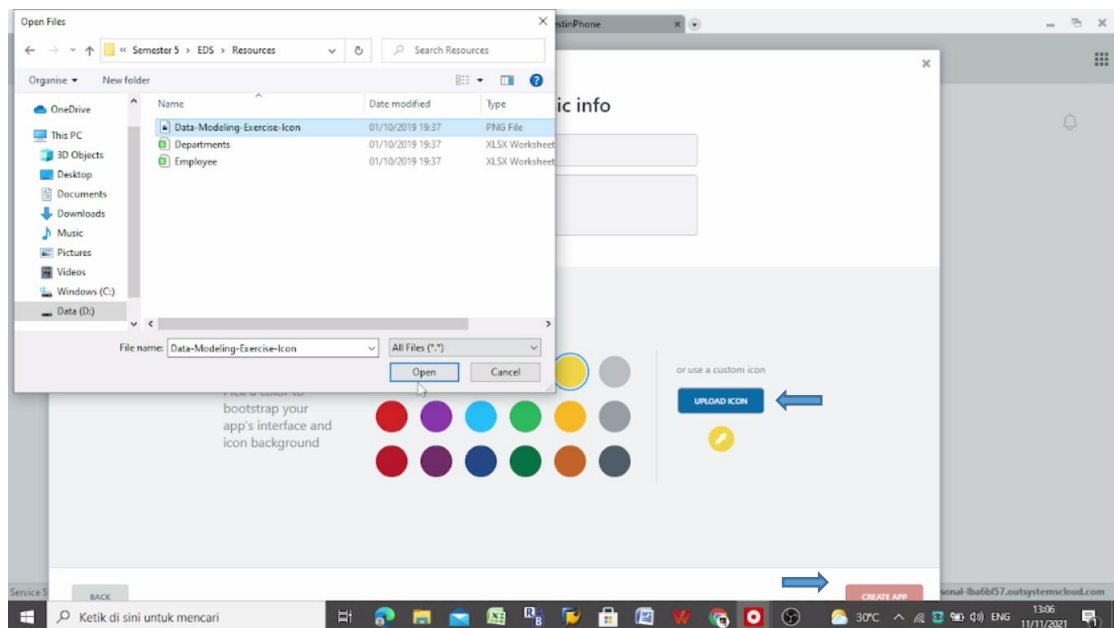
Selanjutnya login ke dalam aplikasi outsystem dan click *new application*.



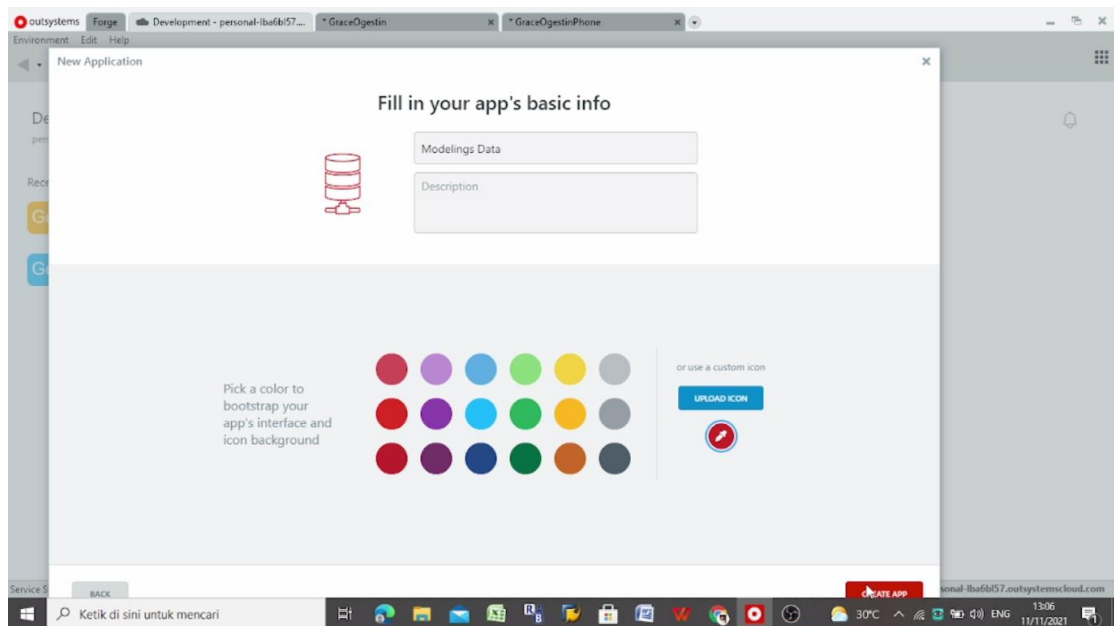
Setelah itu pilih from scratch dan klik next



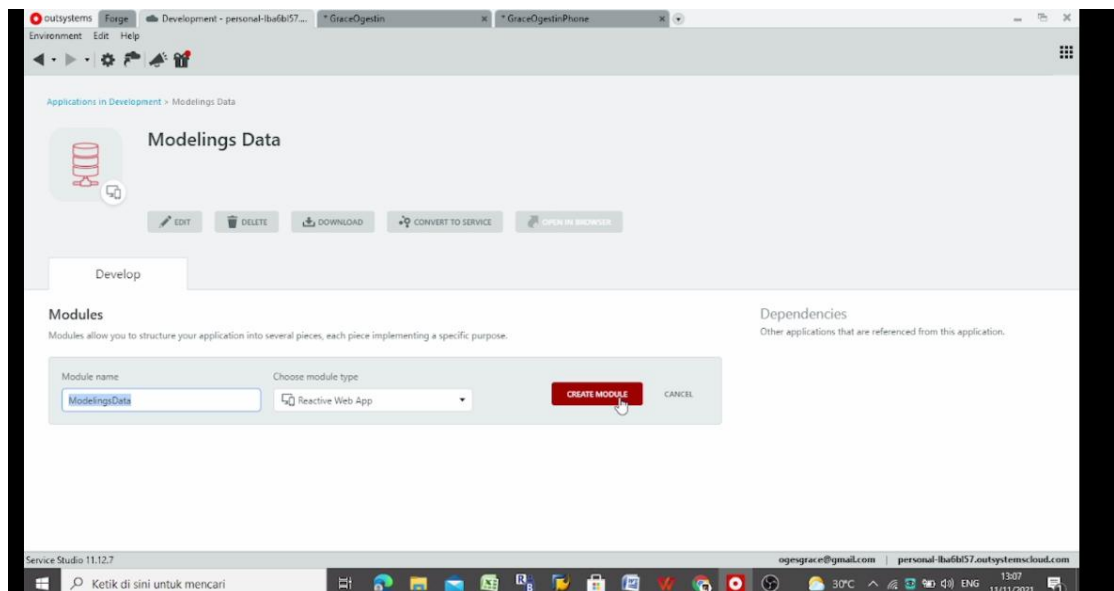
Setelah itu reactive web app, lalu next.



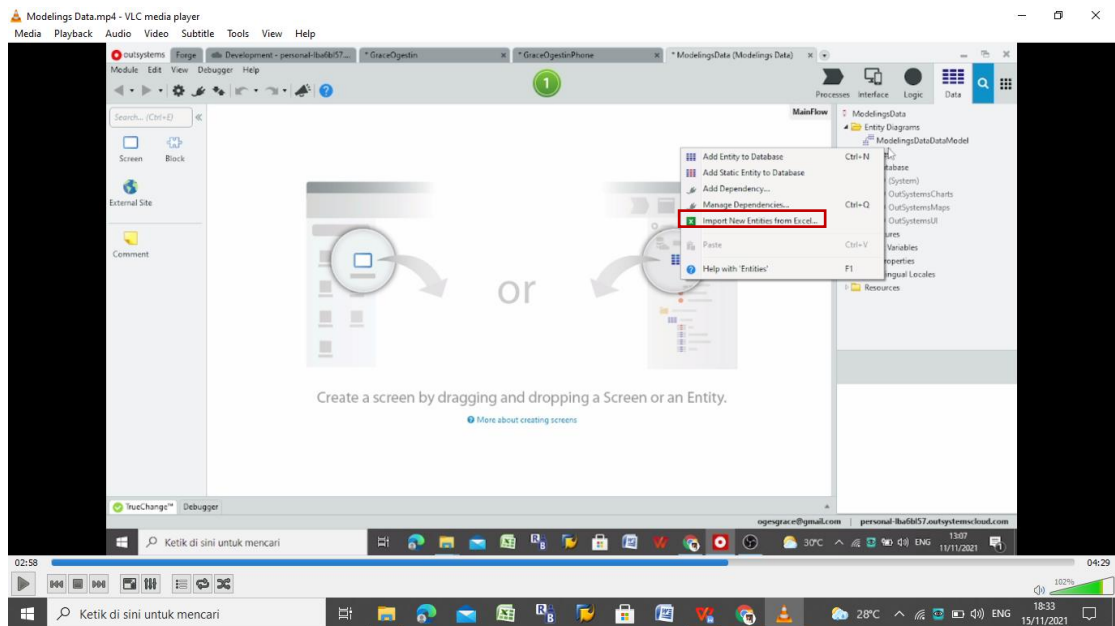
Lalu upload icon, lalu klik open.



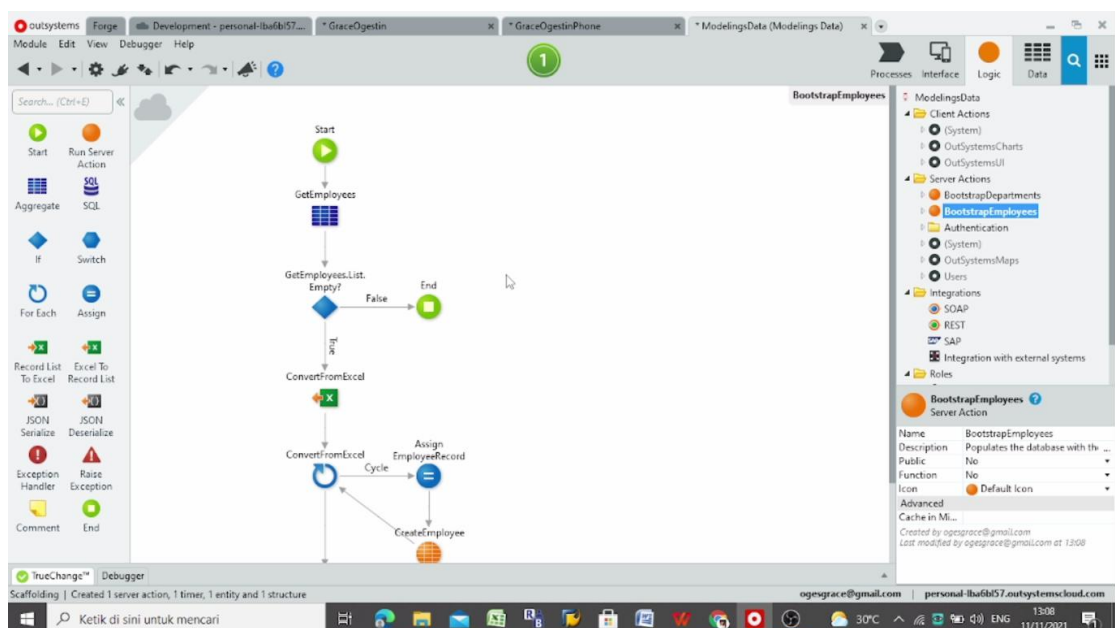
Masukkan nama data dan klik create app



Create module

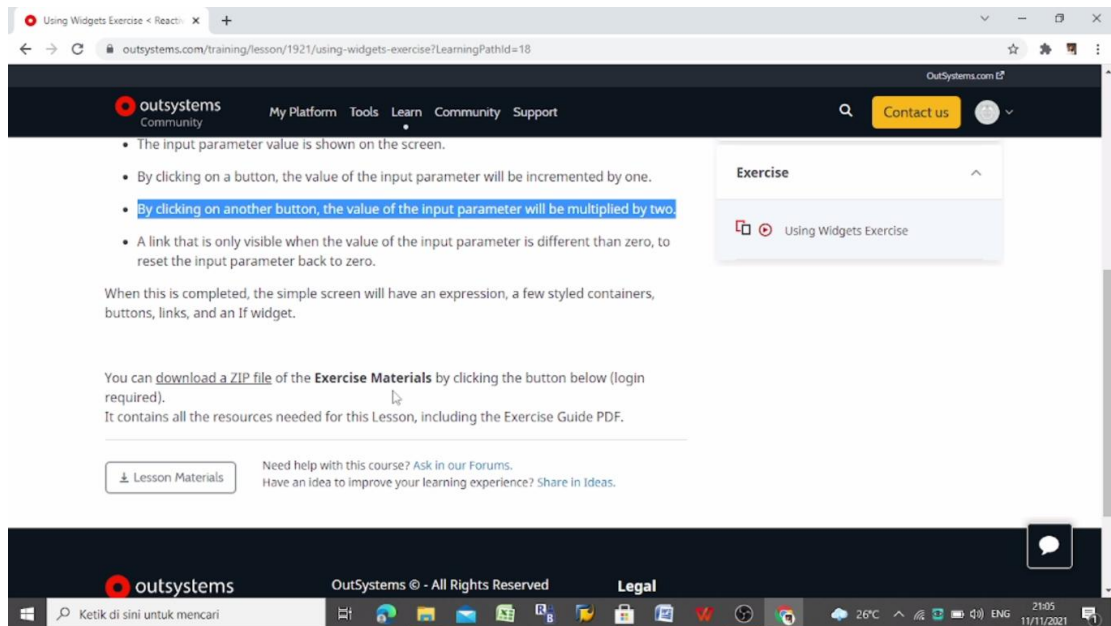


Klik data, lalu pada modeling data klik kanan, pilih import excel.
Lalu masukkan data yang sudah kita extract tadi.

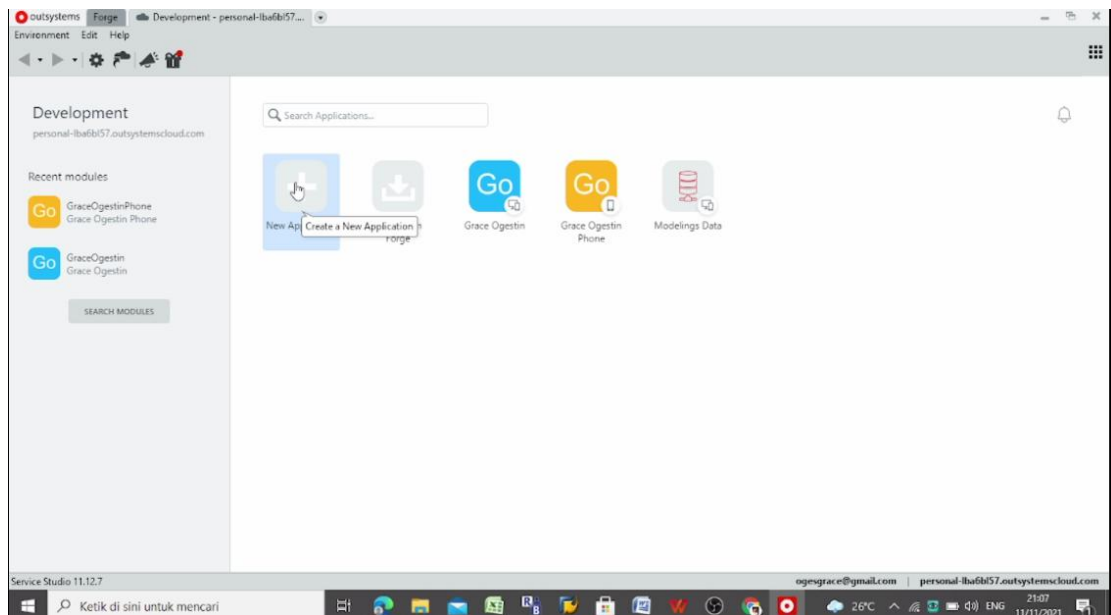


Klik logic, lalu klik server action dan pilih bootstrap mana yang ingin kita cek datanya sudah masuk atau belum.

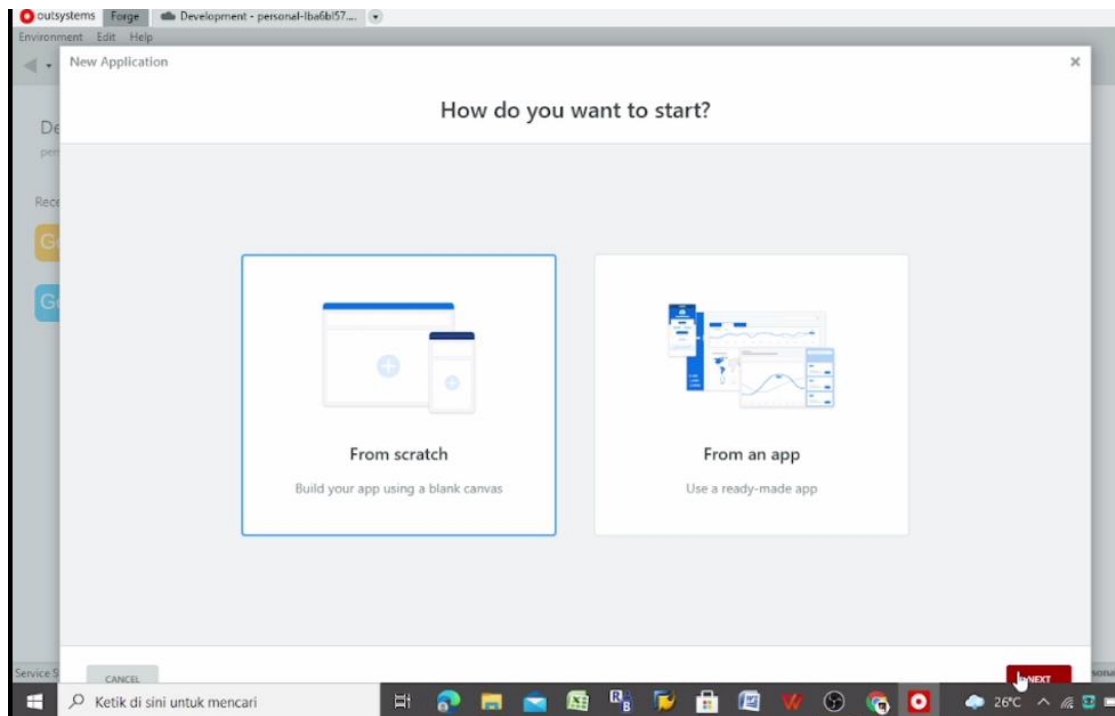
2. How to create using widget exercise



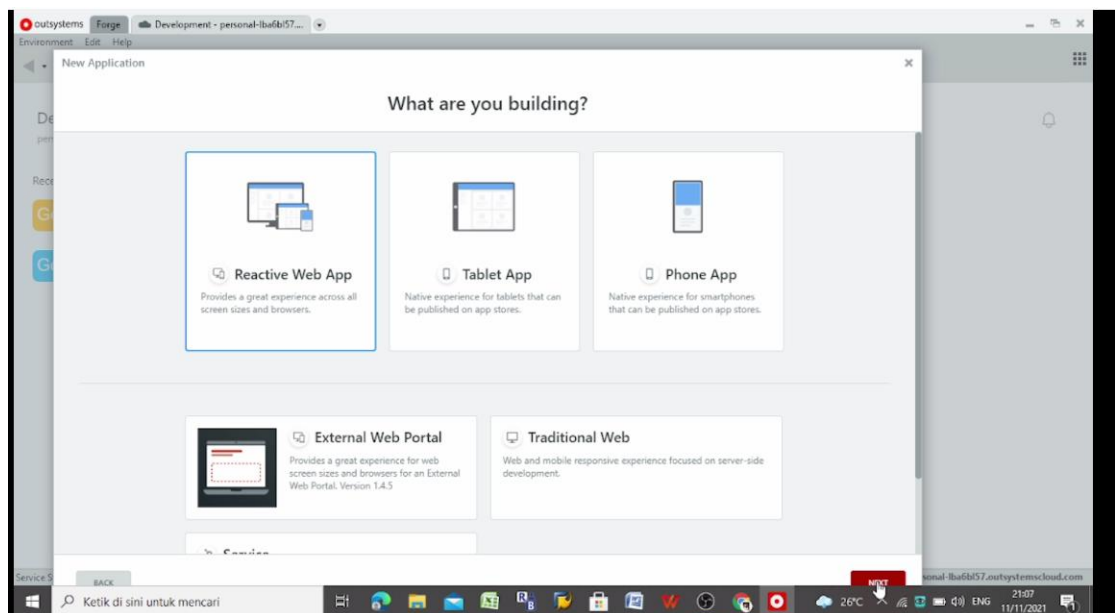
Download file lesson material.



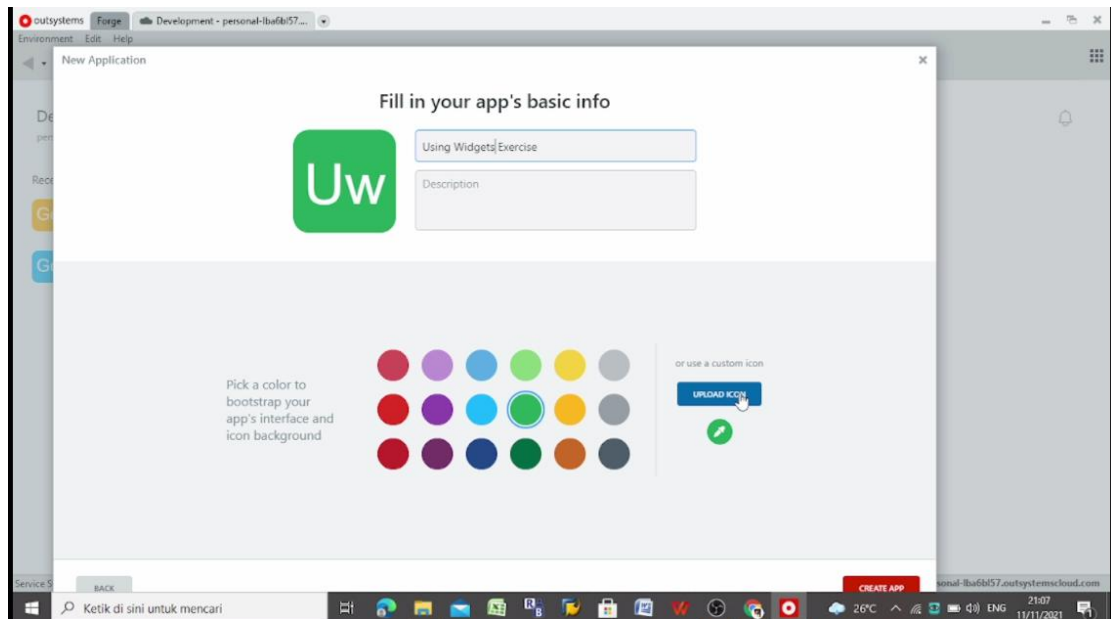
Create new application



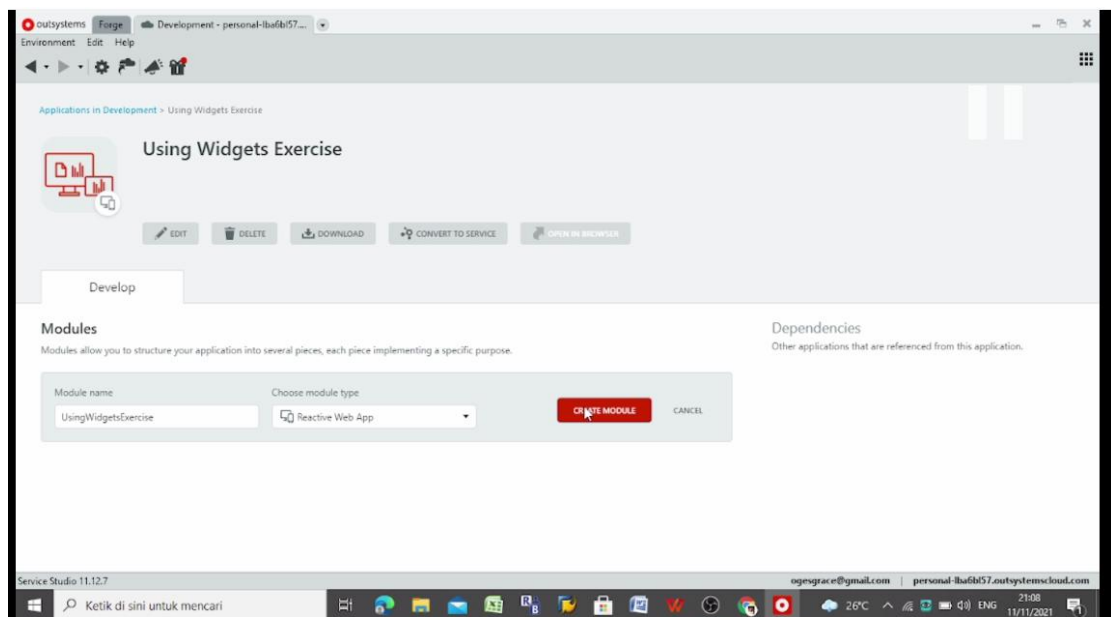
Klik from scracth dan next



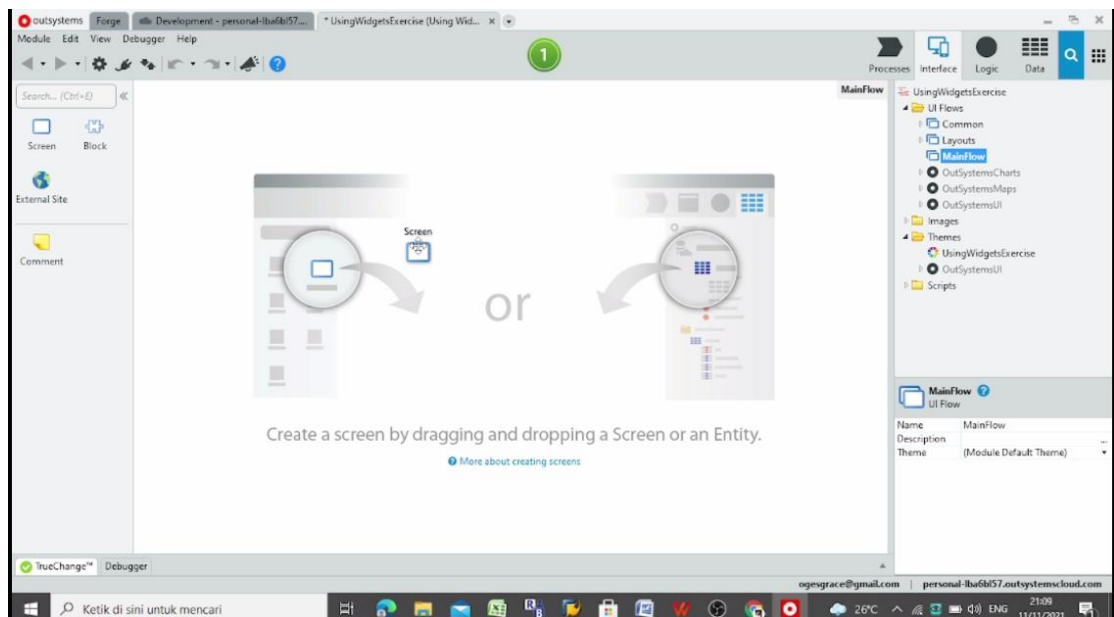
selanjutnya klik reactive web app, lalu next



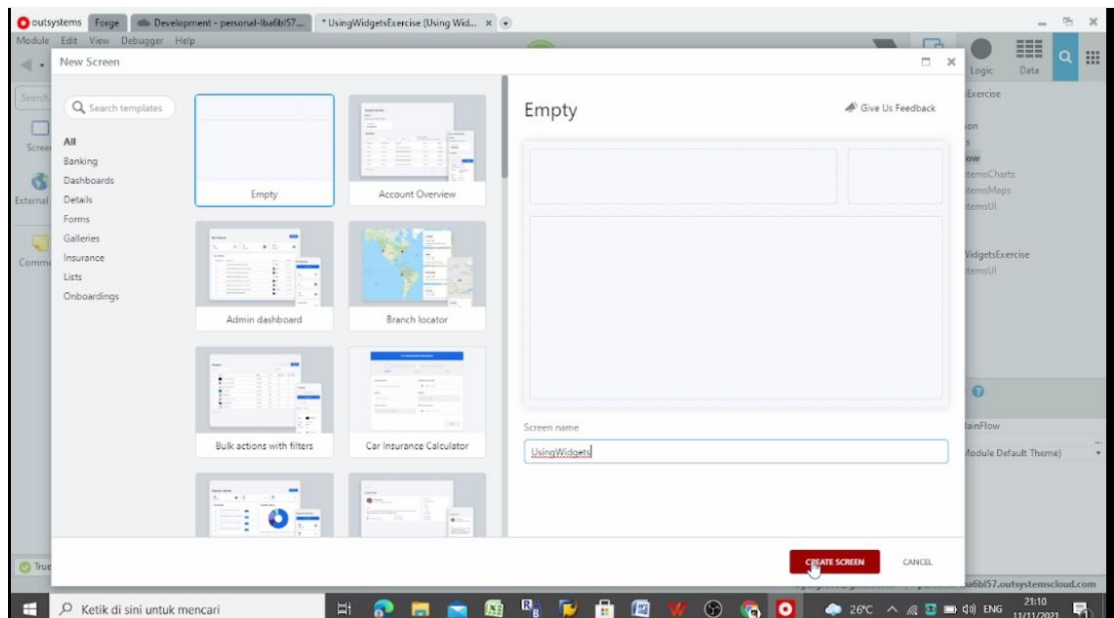
Ganti nama aplikasi, lalu upload icon dari data yang sudah kita download tadi dan create app



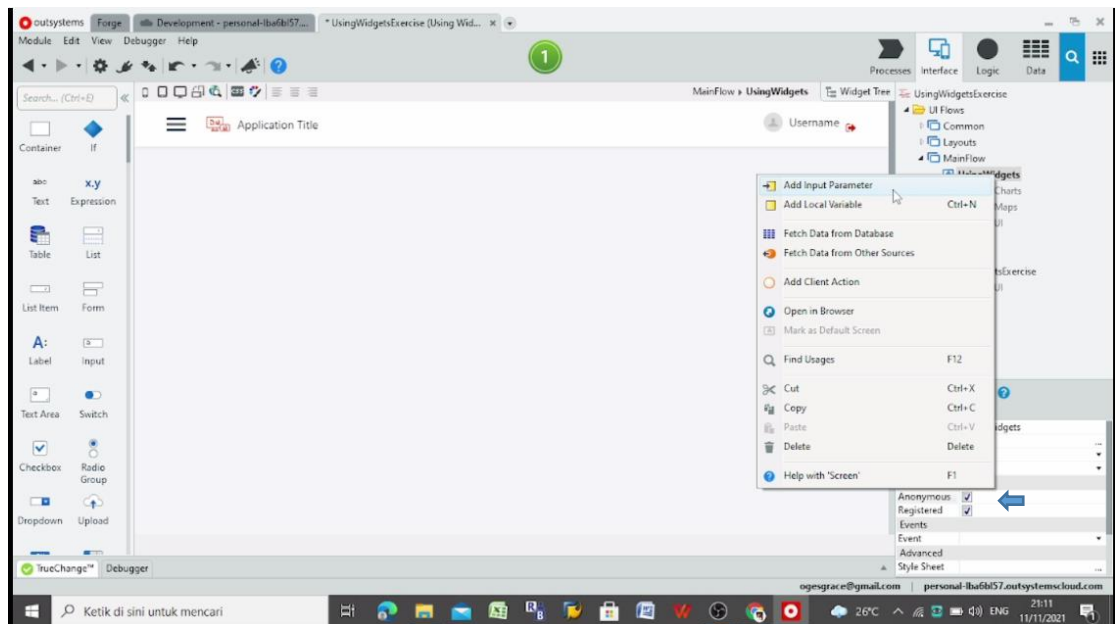
Klik create modul



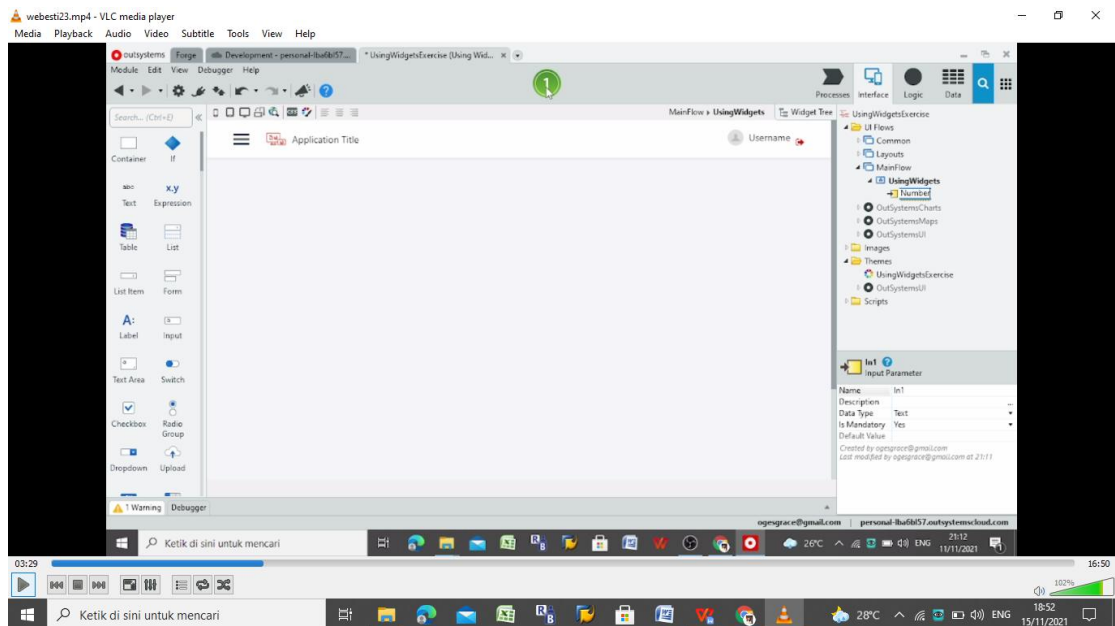
Tarik screen yang ada di sebelah kiri atas ke tengah



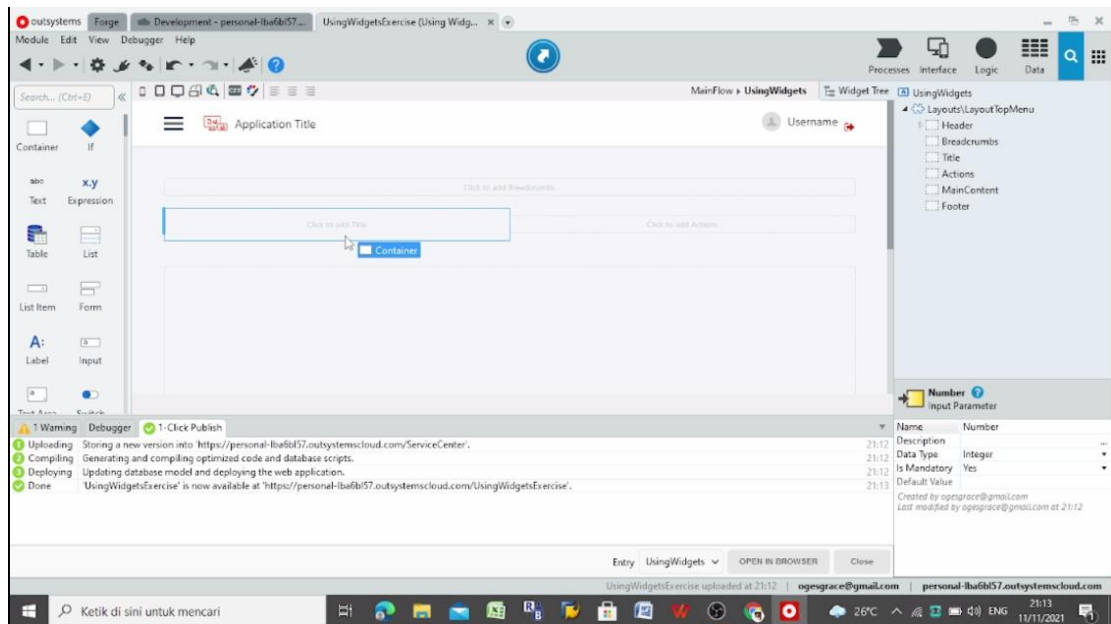
Pilih empty, isikan screen name dan create screen



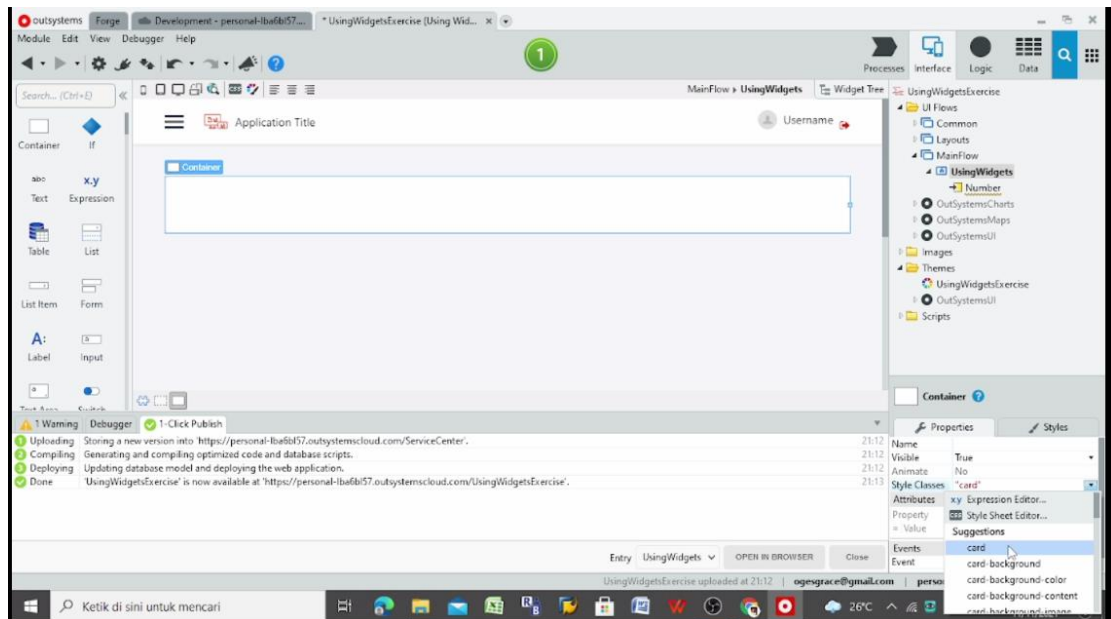
Ceklist anonymous, klik kanan using widgets dan pilih add input parameter



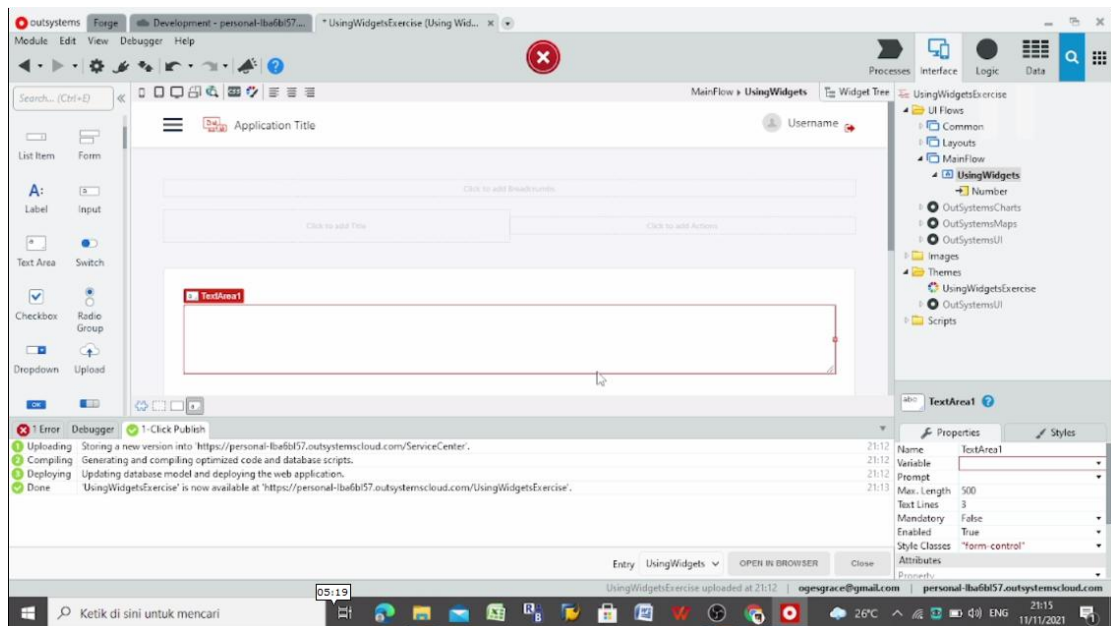
Buat folder bernama number dan publish dengan mengklik tombol hijau di tengah atas



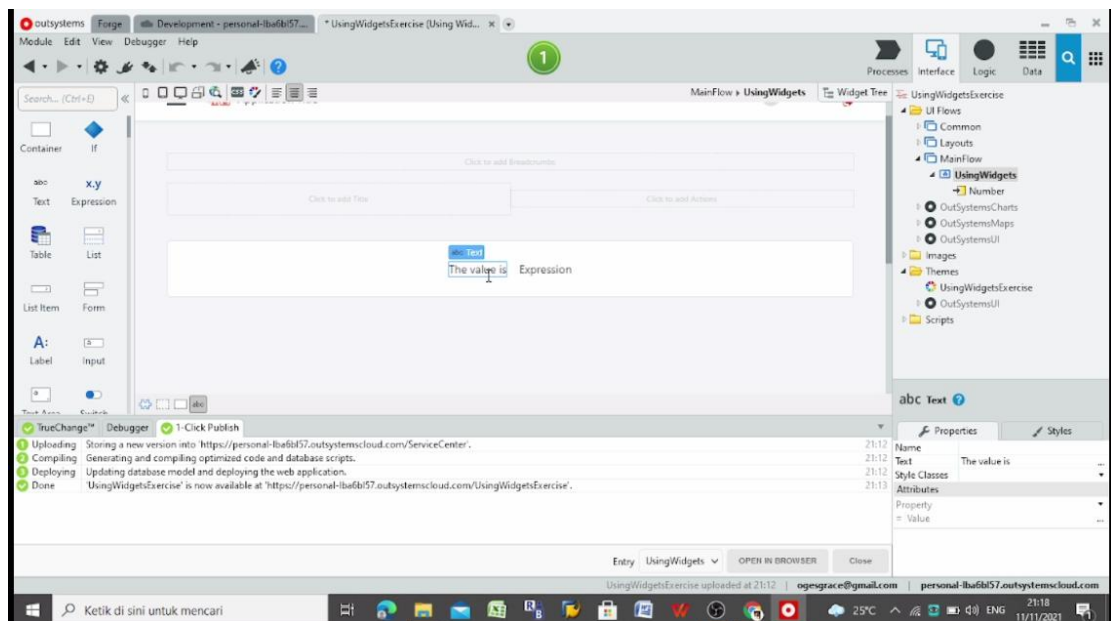
Klik container, dan tarik ke tengah



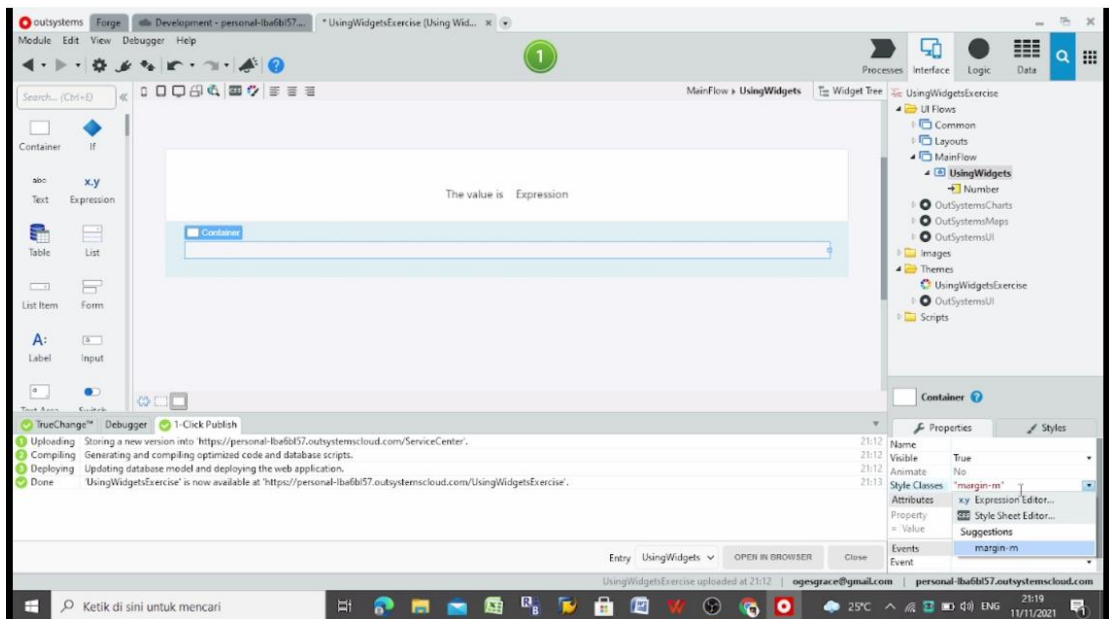
lalu pilih style classes menjadi card



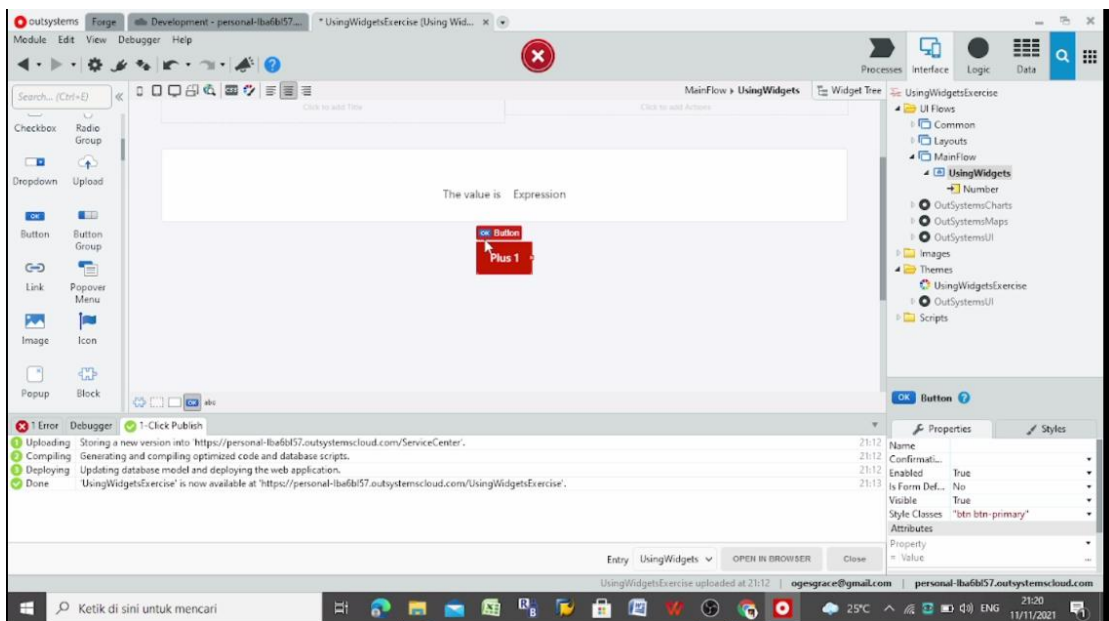
Masukkan number ke tengah, dan juga text area ke tengah.



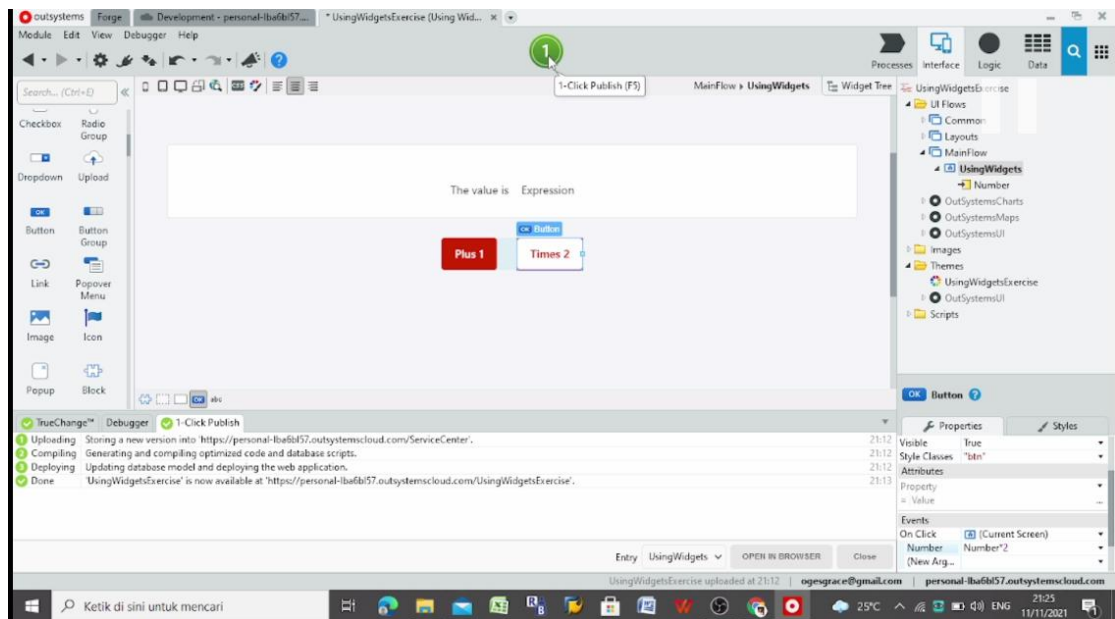
Tarik text ke tengah dan isi text.



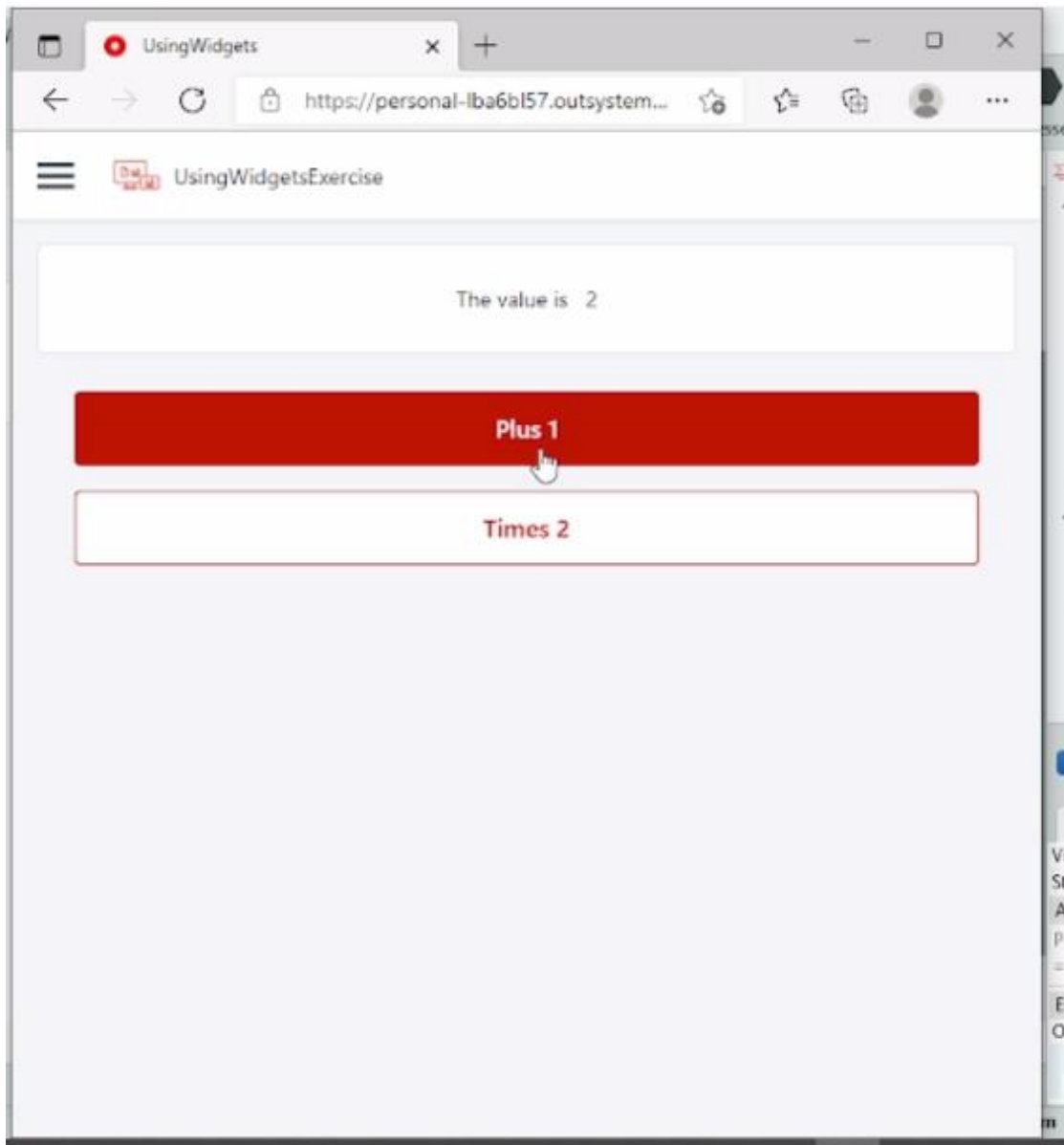
Tarik container baru dan posisikan d bawah container yang sebelumnya. Ganti style menjadi margin-m



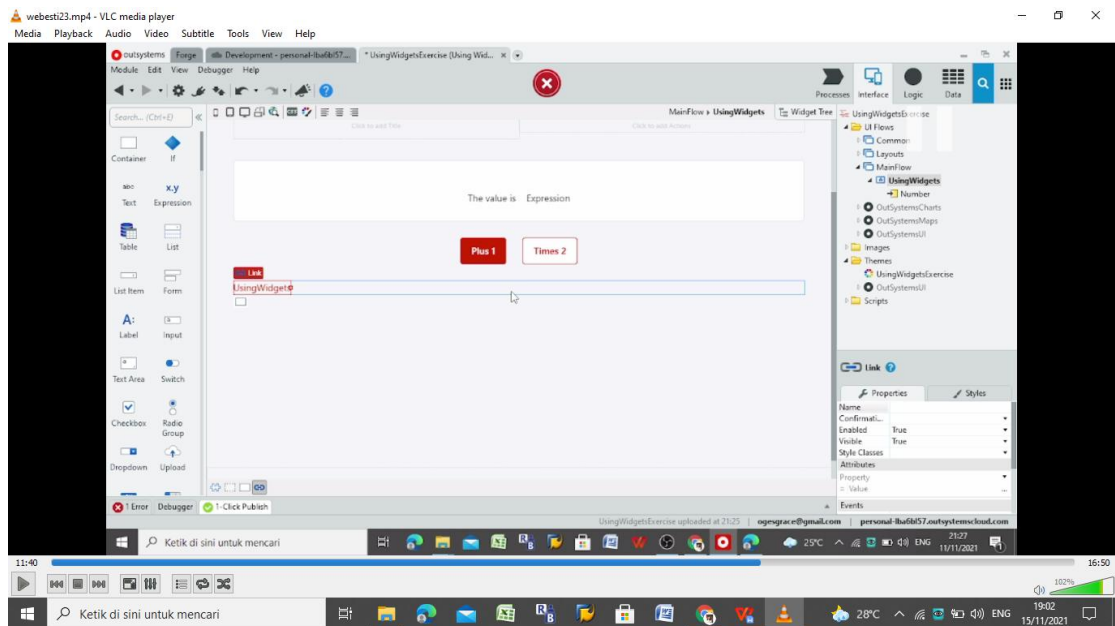
Tarik button ke tengah dan ubah nama button menjadi plus 1.



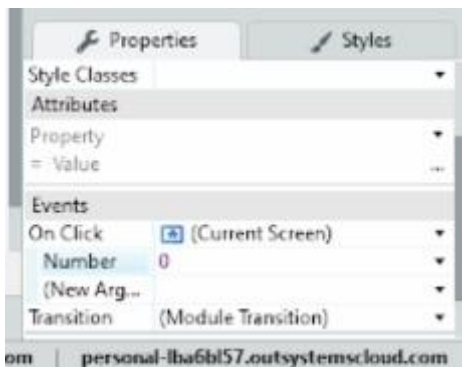
Lalu tambahkan satu button lagi dan publikasikan



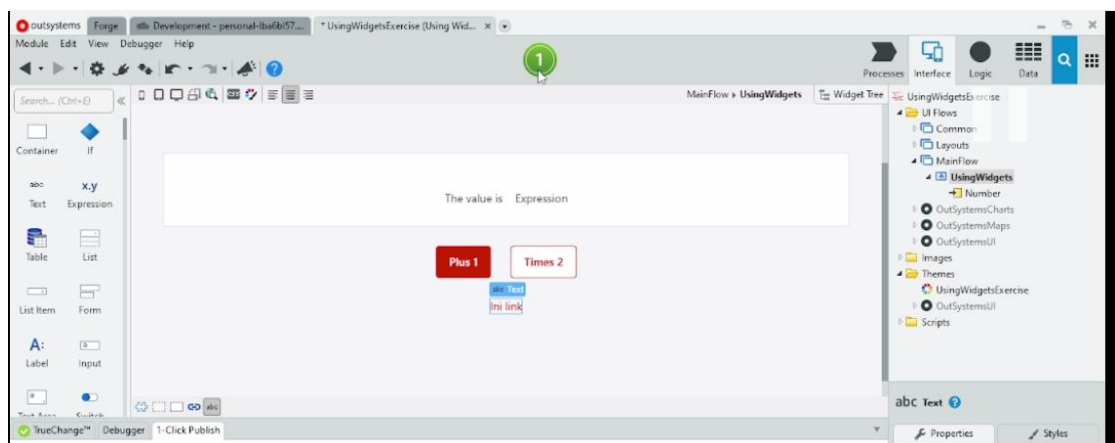
setelah di publish, hasil pada browser akan seperti ini.



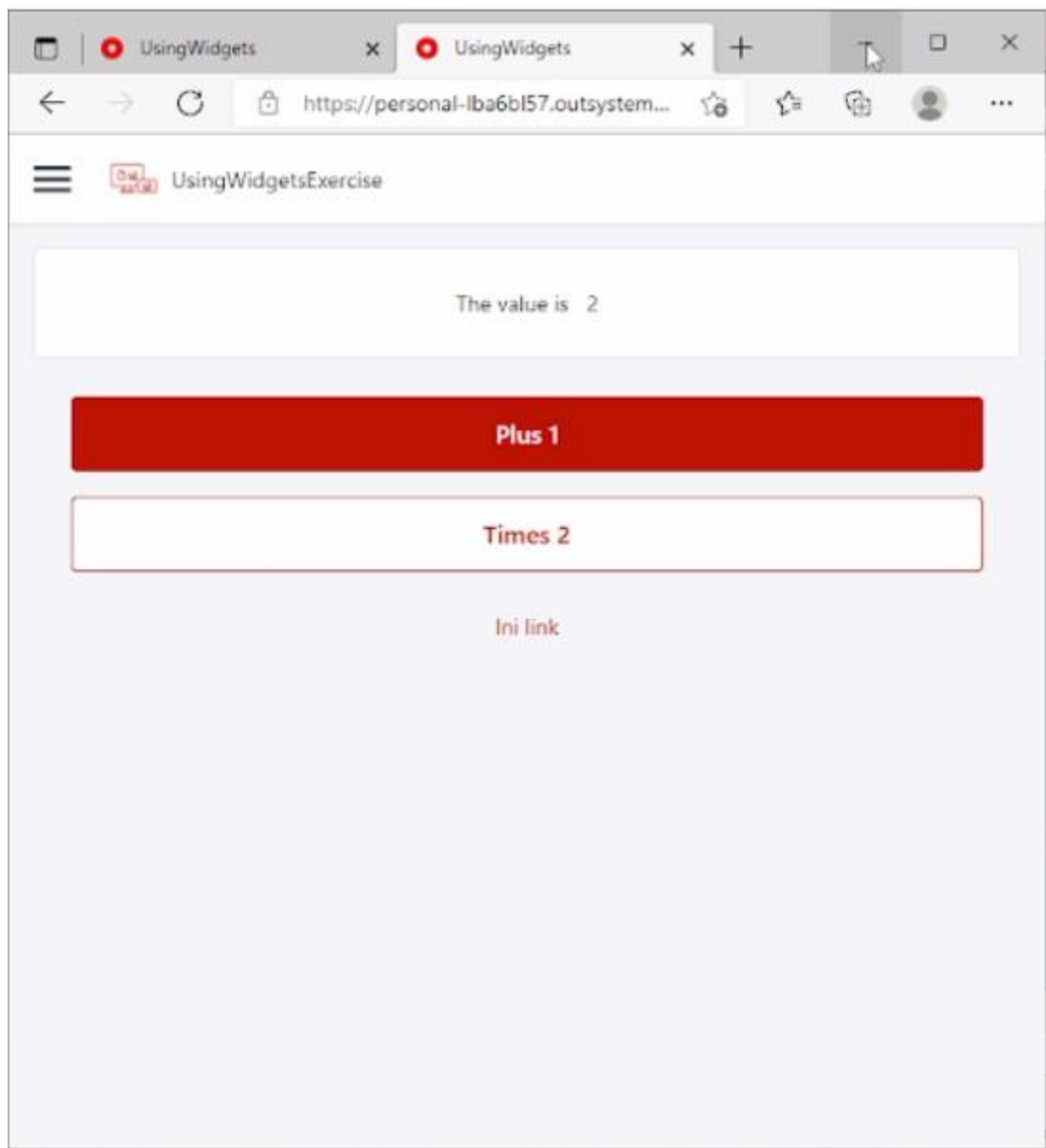
Buat container baru kembali di bawah container sebelumnya dan tarik using widgets nya ke tengah.



Ganti number dan onclick pada button serta rename button tersebut



setelah itu publish



Setelah di publish akan seperti ini hasilnya di browser, diman nilai ini dapat d hapus pada button yg bertuliskan ini link.