

Front-end Builder

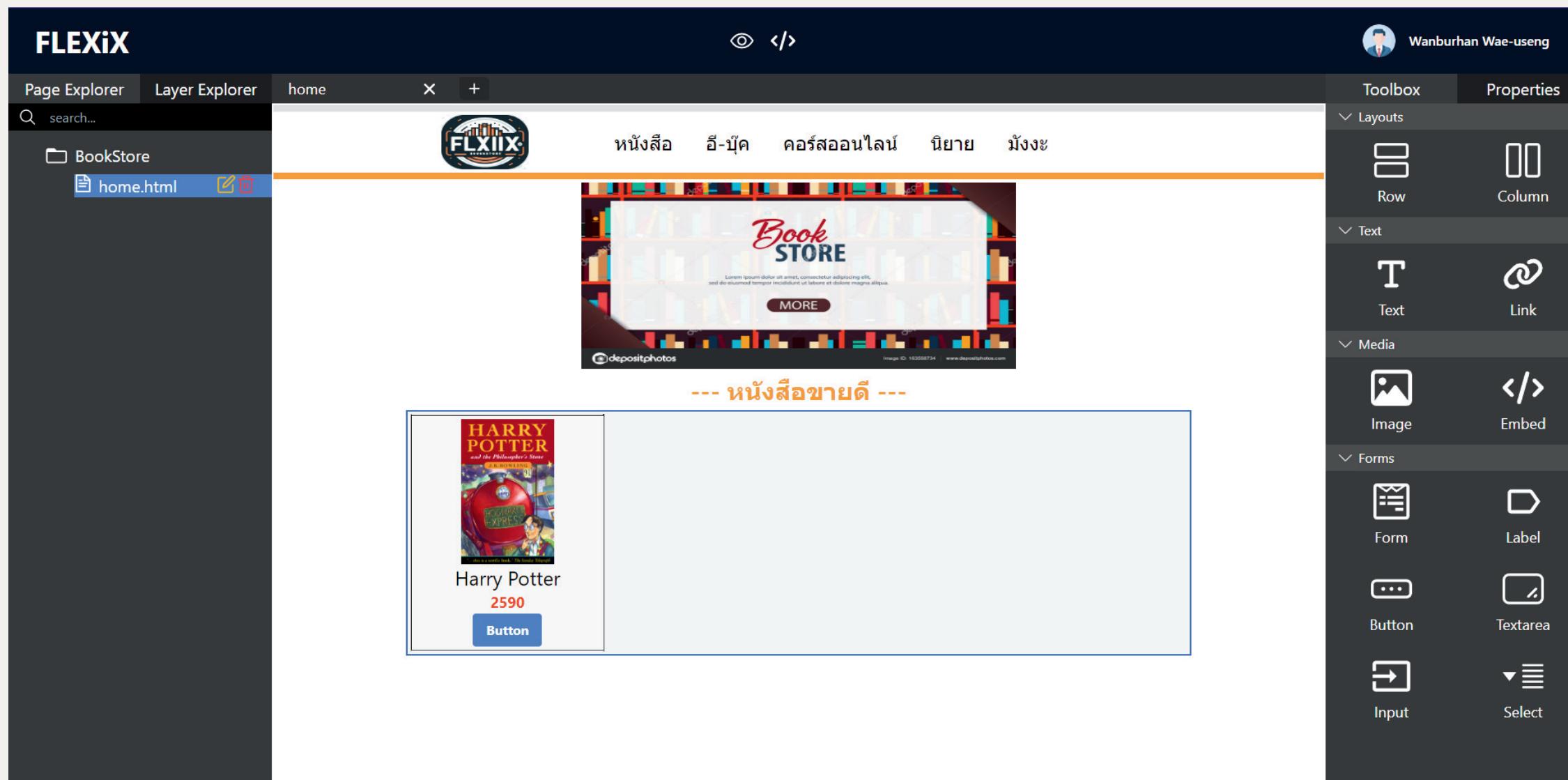
โปรแกรมสร้างเว็บไซต์ส่วนหน้า

จัดทำโดย
นาย วันบุรุษาน แวงอุเชิง
นาย วรรณพ ธรรมเกียงธรรม
นาย เอกธิบดี องอาจ

รหัสนักศึกษา 64015130
รหัสนักศึกษา 64015166
รหัสนักศึกษา 64015172

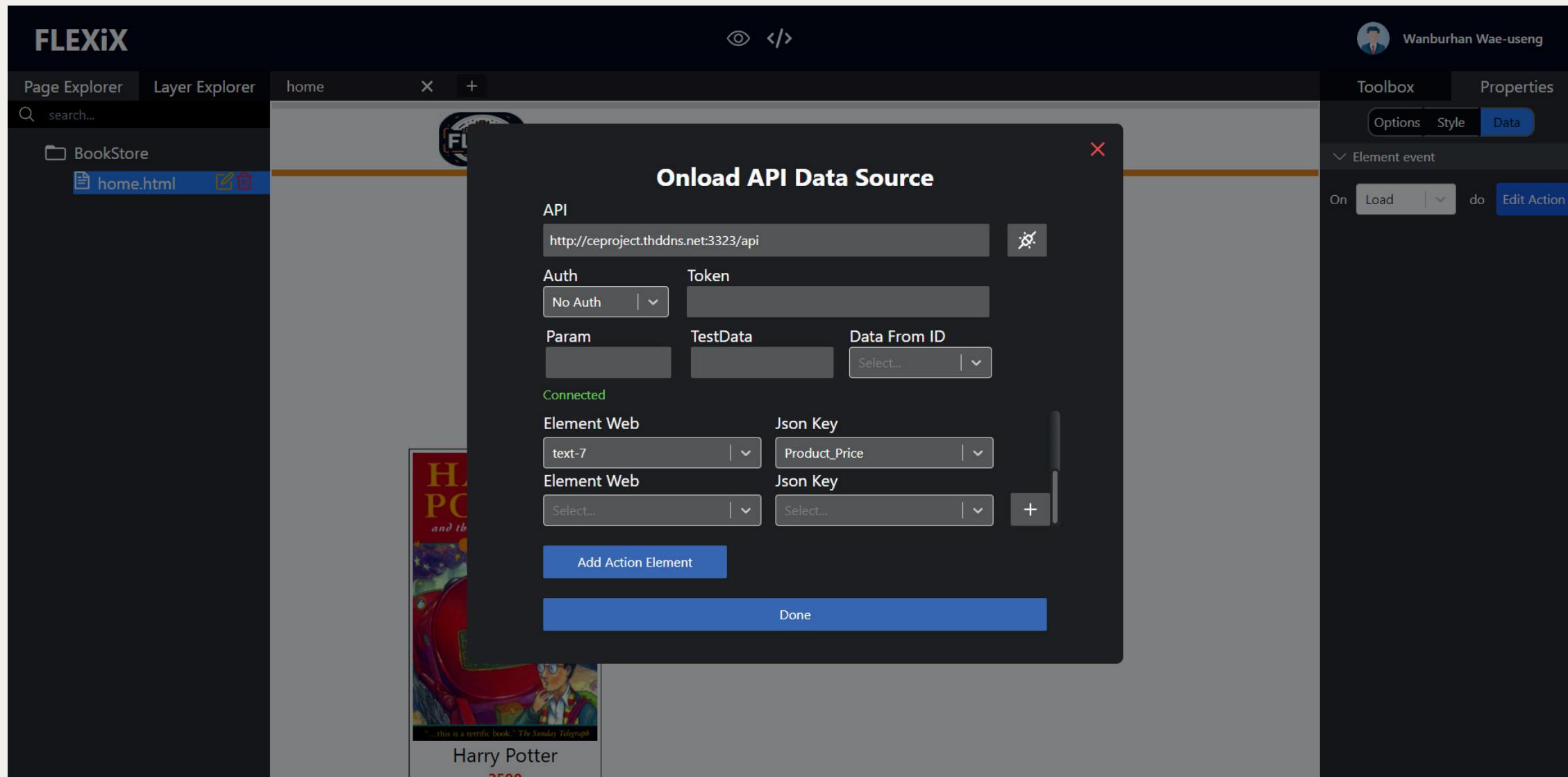
อาจารย์ที่ปรึกษา
ผศ. รนา วงศ์สุวรรณ
ผศ. ดร. ชมพูนก เต็งเจริญ

Front-end Builder คืออะไร



เป็นเครื่องมือสำหรับใช้สร้างหน้า Front-end ในรูปแบบ Low code
ซึ่งจะช่วยให้ผู้ใช้สามารถสร้างและปรับแต่งหน้าเว็บได้อย่างรวดเร็ว

Front-end Builder គីឡូវេត្ត



เพิ่มความสะดวกในการเชื่อมต่อ API

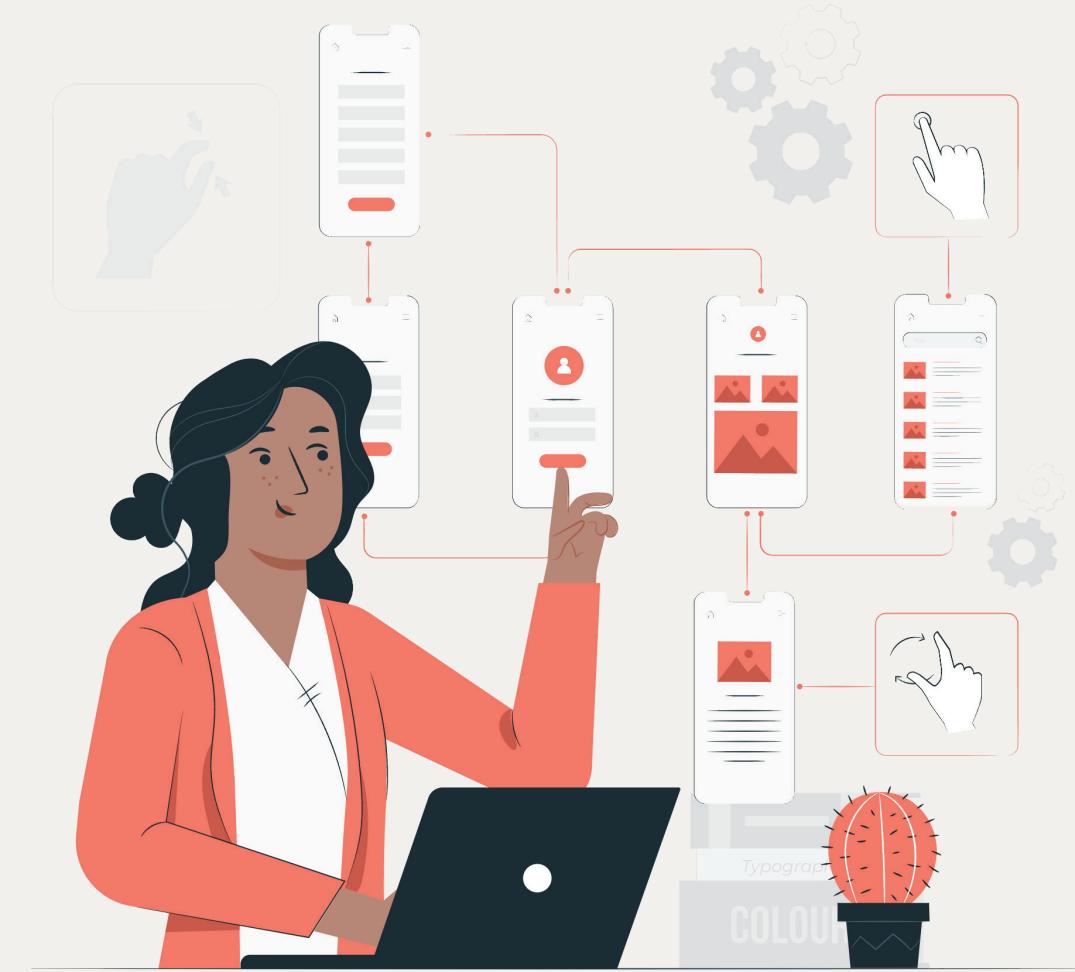
Front-end Builder คืออะไร

The screenshot shows a website header with the logo 'FLXIIX BOOKSTORE' and navigation links for 'หนังสือ', 'อี-บุ๊ค', 'คอร์สสอนออนไลน์', 'นิยาย', and 'มังงะ'. Below the header is a large orange banner featuring a 'Book STORE' modal window with a 'MORE' button and a 'depositphotos' watermark. The main content area displays four Harry Potter book covers in a grid:

<p>Harry Potter and the Philosopher's Stone 2000 Button</p>	<p>Harry Potter and the Chamber of Secrets 2590 Button</p>	<p>Harry Potter and the Prisoner of Azkaban 1590 Button</p>	<p>Harry Potter and the Goblet of Fire 3590 Button</p>
---	--	---	--

ทำให้เห็นภาพของผลลัพธ์ API นั้นได้ง่ายมากขึ้น

ວັດຖຸປະສົງຄໍ



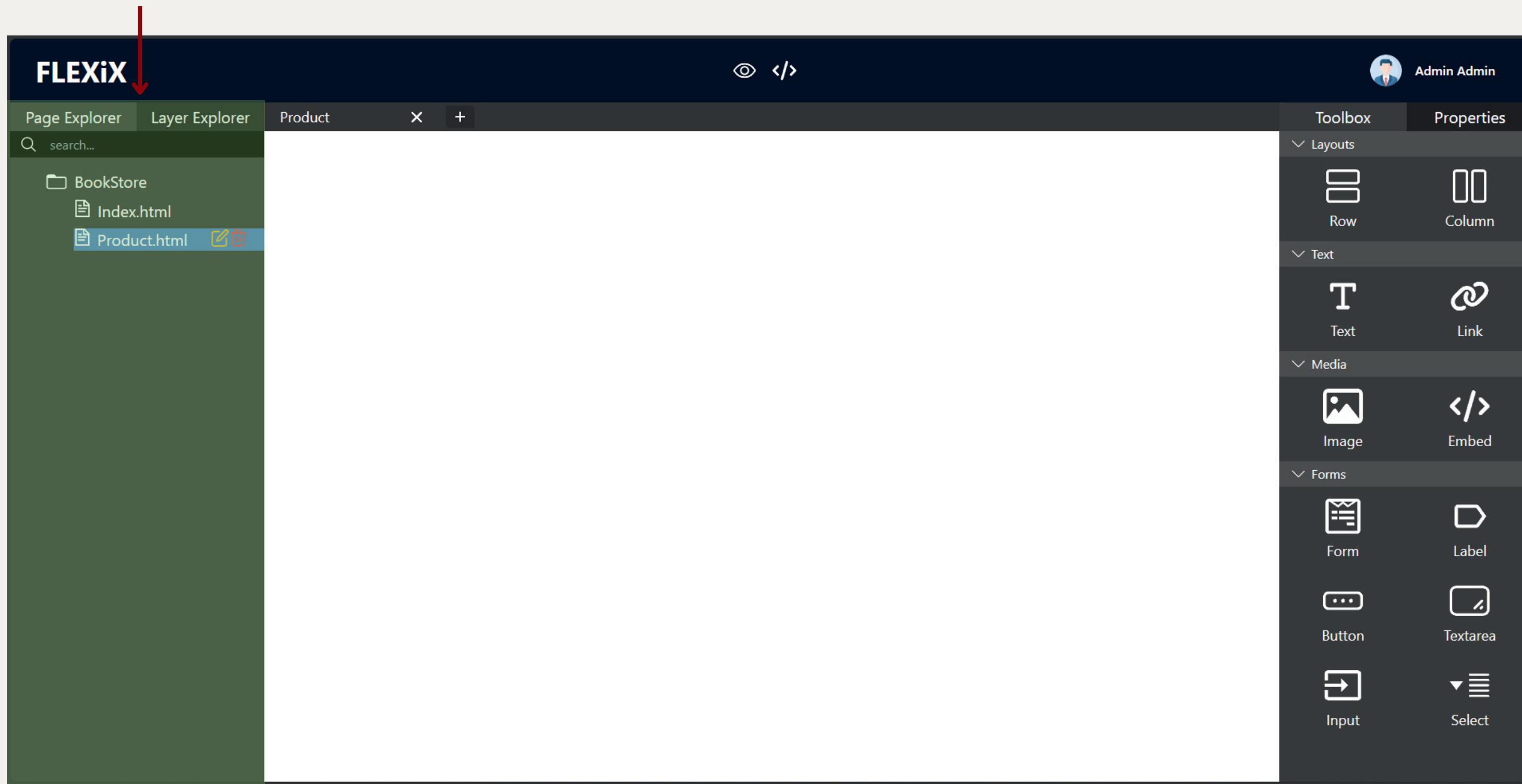
ระบบນີ້ຖືກສ້າງขື້ນມາເພື່ອຮອງຮັບກັບຜູ້ໃຊ້ທີ່ກຳລັງສຶກເຫາດ້ານ Back-end ກຳໃຫ້ຜູ້ໃຊ້ຈະໄມ້ມີເວລາໃນການສຶກເຫາດ້ານ Front-end ໂດຍມີແນວຄິດທີ່ຈະສ້າງເຄື່ອງມືອກທີ່ໃຊ້ສ້າງ Front-end ທີ່ສະດວກແລະ ລວດເຮົວ

องค์ประกอบ
ของเว็บไซต์

បង្កើតការងារលក្ខណ៍ ដំបូងទិន្នន័យ 3 ស៊ុន

Page Explorer & Layer Explorer

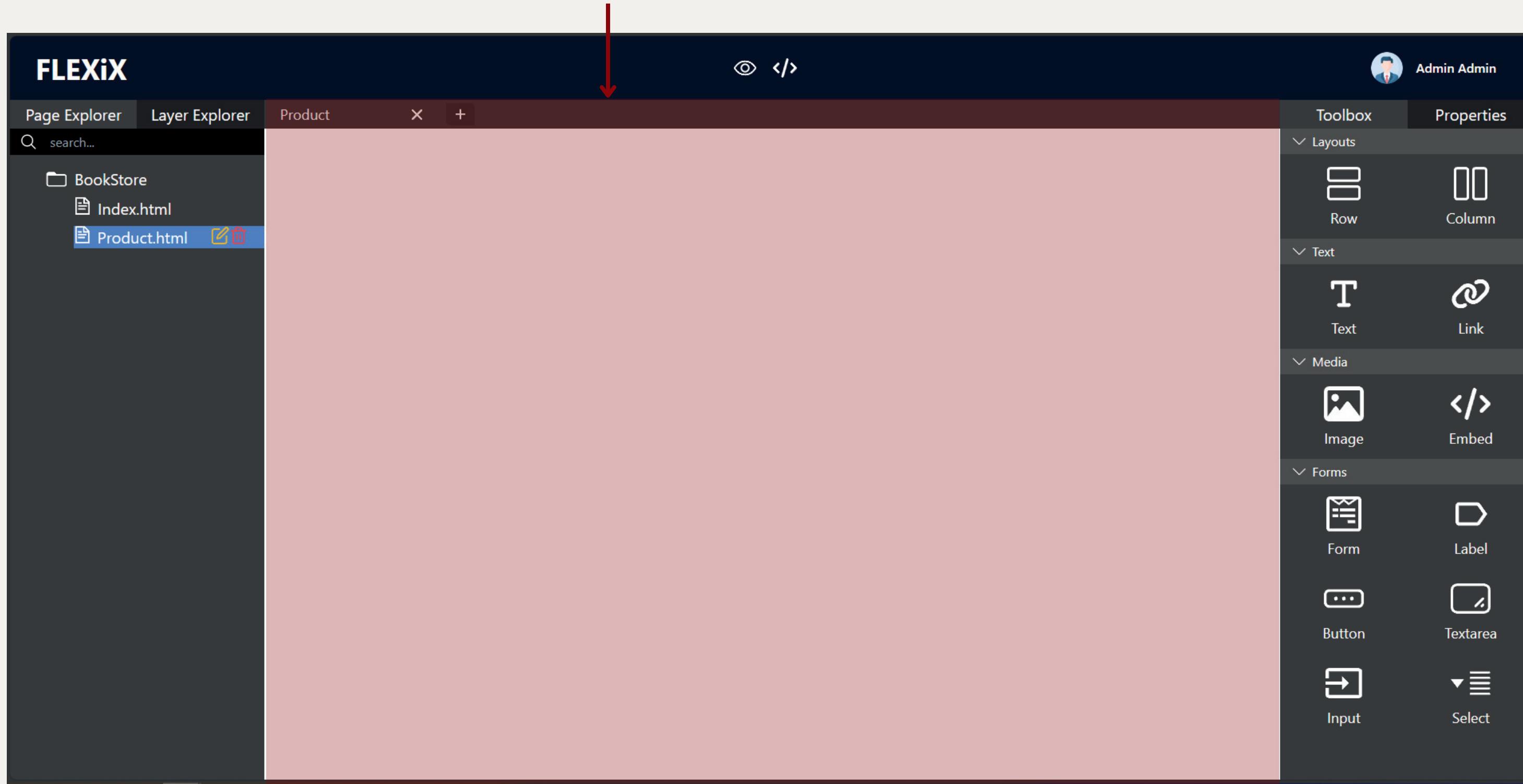
ឱ្យចិត្តការ Page និង Layer ព័ត៌ម្ភ



បង្កើតការងារលក្ខណ៍ ដំបូងទៅជា 3 ស៊ុន

Design workspace

ឱ្យក្នុងការរោចរាល់
ការកំងារ

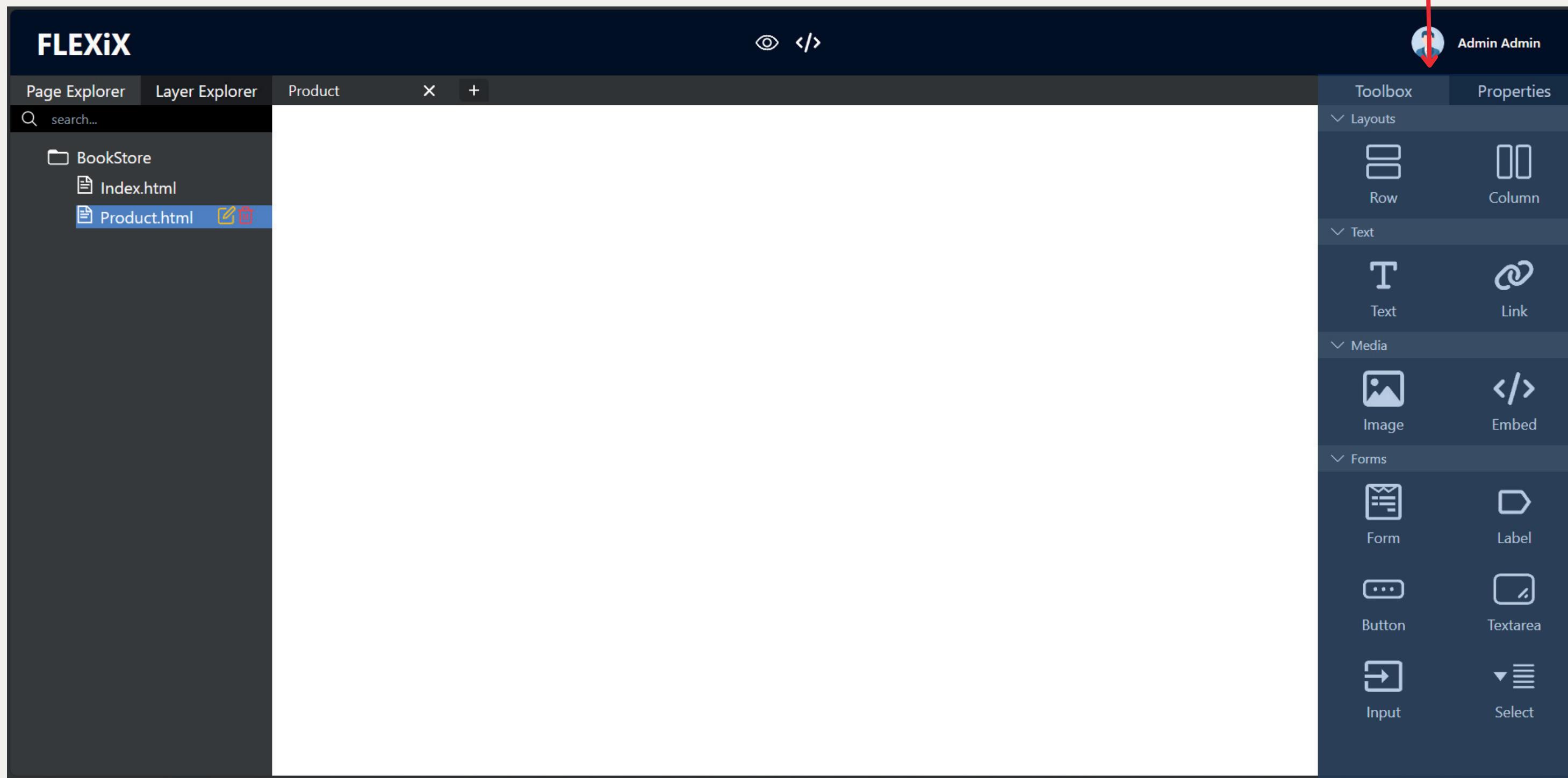


បង្កើតការងារលក្ខណ៍ ដំបូងទិន្នន័យ 3 ស៊ុន

Toolbox & Properties

ឱ្យសរាង និងប្រើប្រាស់

Elements



ข้อจำกัดของการใช้งาน

01

สร้างเว็บที่ซับซ้อนมากไม่ได้
 เช่น เว็บไซต์ขายของที่มีระบบ login

02

ไม่มีระบบเก็บ Session
 หรือ Local Storage
 การที่ login จำเป็นต้องมีการเก็บข้อมูล
 user ลงใน Session หรือ Local
 Storage

03

การแก้ไข CSS มีข้อจำกัด
 เมื่อongจากเว็บไซต์ใช้ template ที่มา
 จาก TailwindCSS

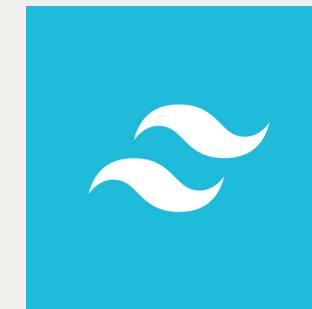
04

การเข้าถึงข้อมูลใน API
 ที่ล็อกเกินไป
 เช่น API ที่เก็บข้อมูลแบบ List ใน List

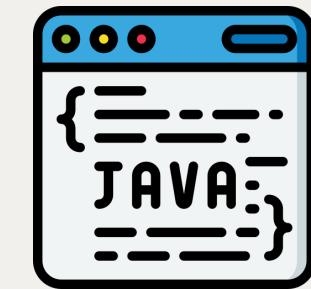
Function Front-end Builder



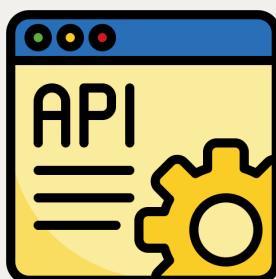
สร้างเว็บไซต์



ปรับแต่ง CSS
(Tailwind)



แก้ไขโค้ด



เชื่อมต่อ API



แสดงผลลัพธ์



Export Project

ผลลัพธ์ที่ต้องการหน้าเว็บไซต์

The screenshot displays a website template for a book store. At the top left is the logo 'FLXIIX BOOKSTORE'. The top navigation bar includes links for Home, Fiction, Mystery, Fantasy, and Science, along with a shopping cart icon. A large yellow banner in the center promotes a 'Special Offer super SALE Up to 50% off' with an illustration of a person reading a book. Below the banner, a section titled '--- Best Seller ---' features a placeholder image with dimensions '150 x 150' and fields for 'Book_Name' and 'Book_Price\$'. A yellow button labeled 'Button' is also present.

Home Fiction Mystery Fantasy Science

Special Offer
super
Up to 50% off
SALE

--- Best Seller ---

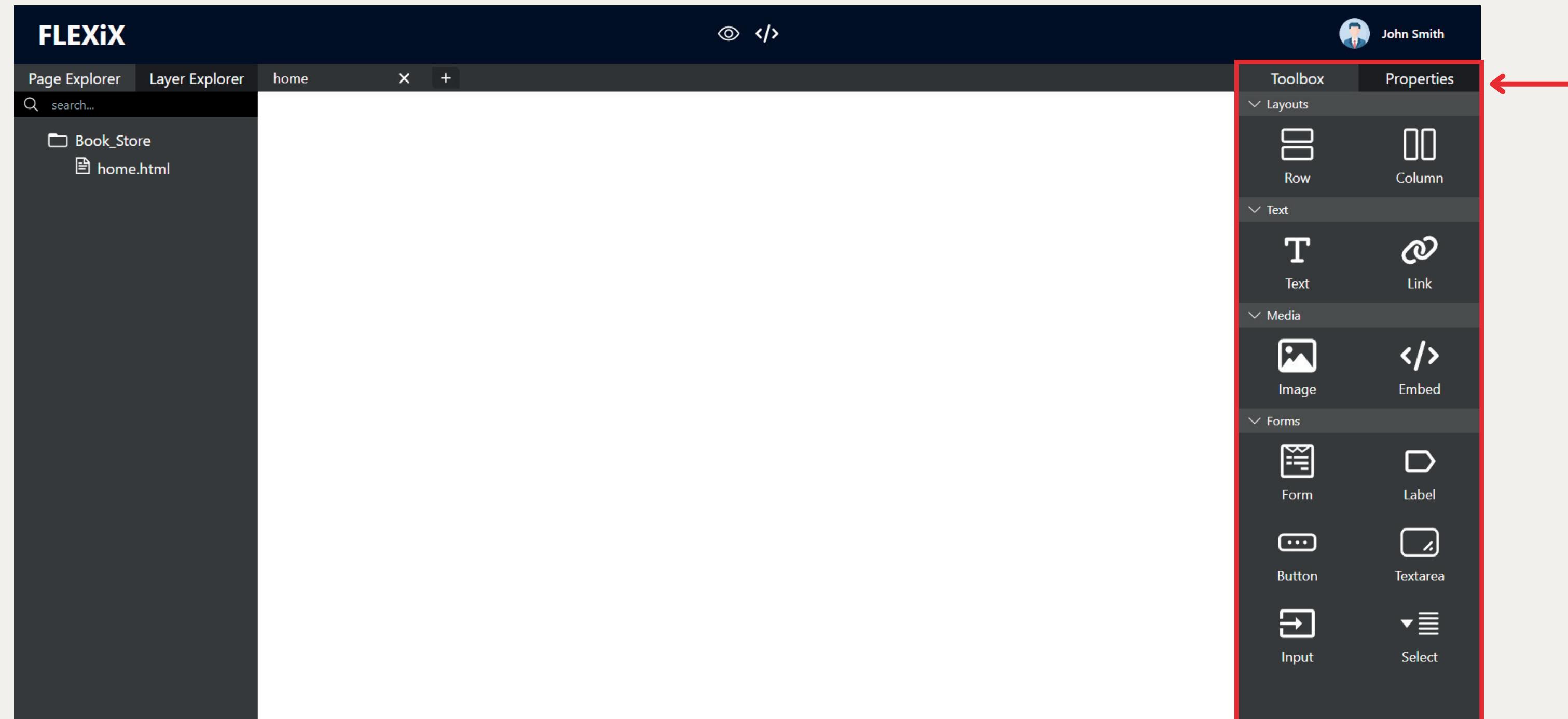
150 x 150

Book_Name

Book_Price\$

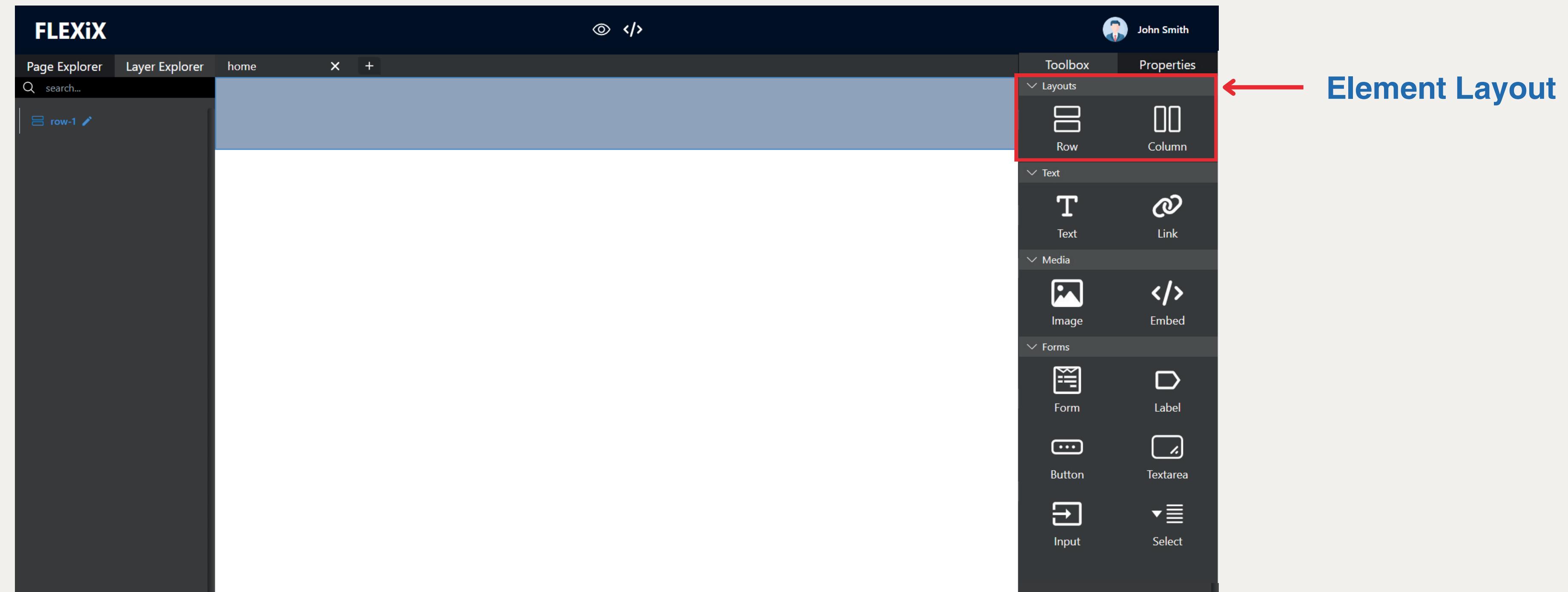
Button

การสร้างเว็บไซต์

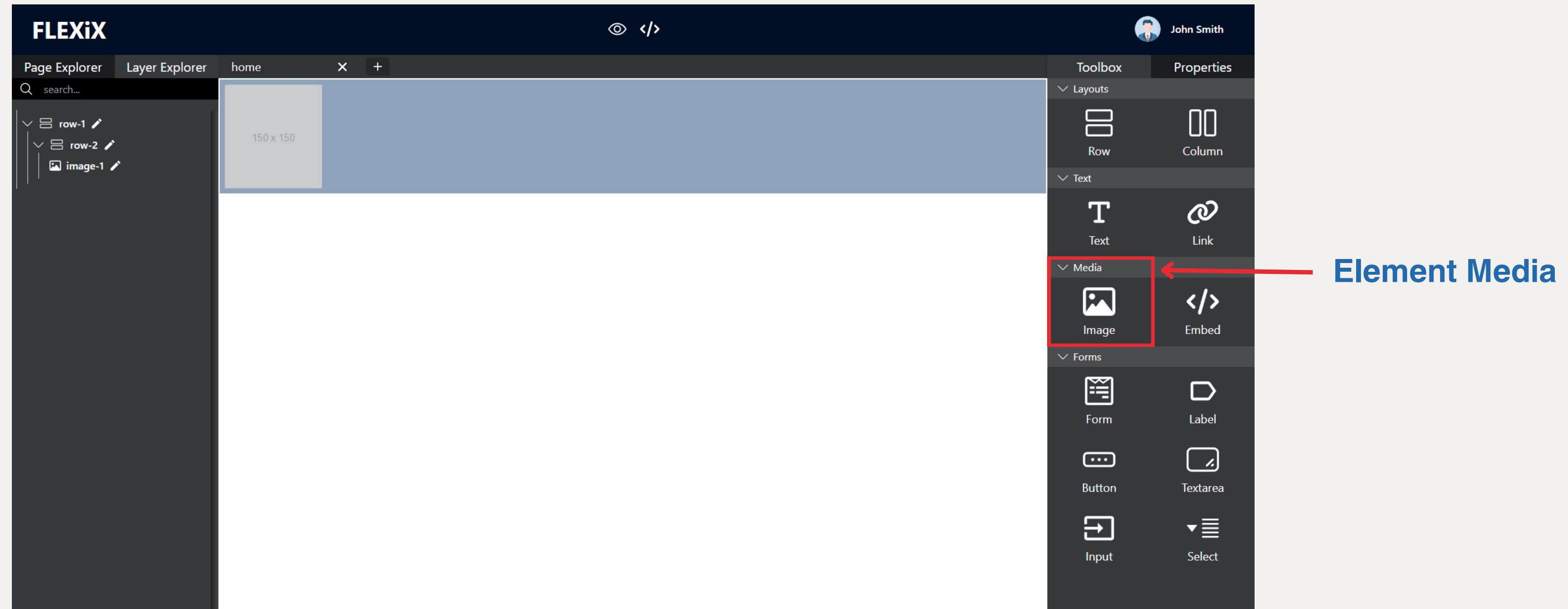


แบบเครื่องมือ
ในการสร้าง Elements

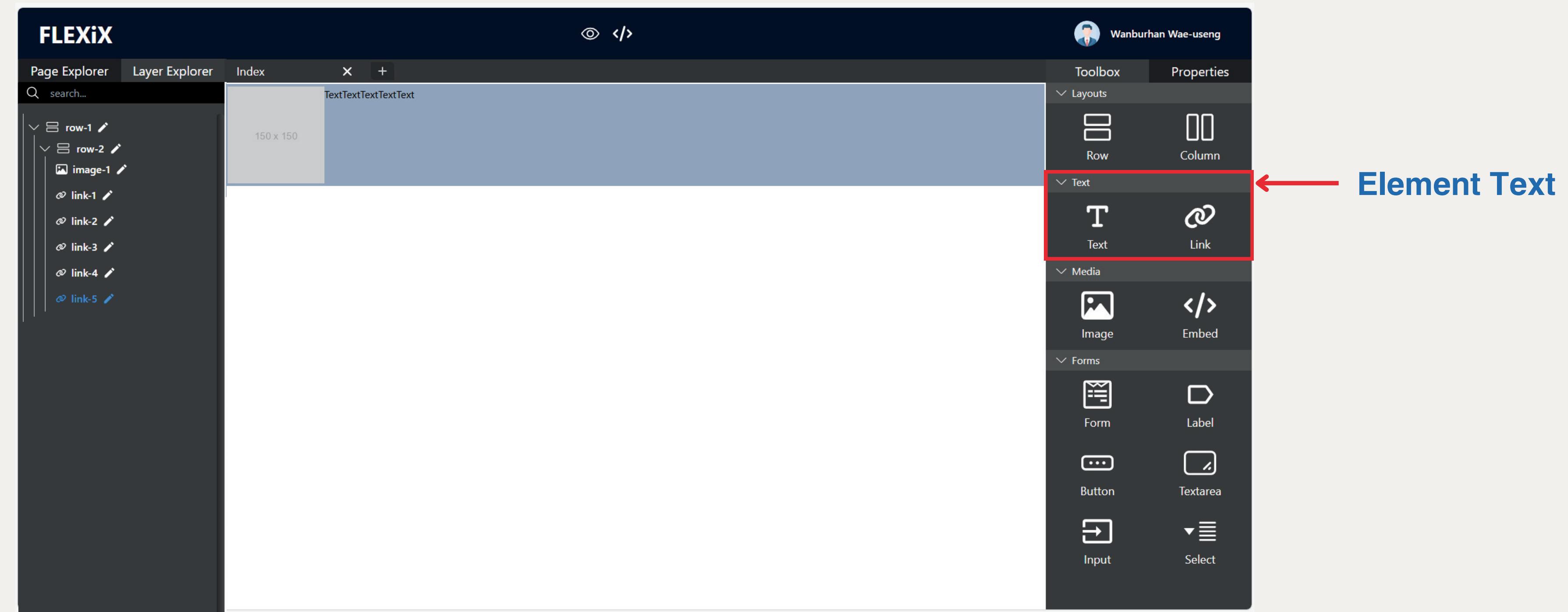
การគาง Layout ເວີບໄຊຕ່



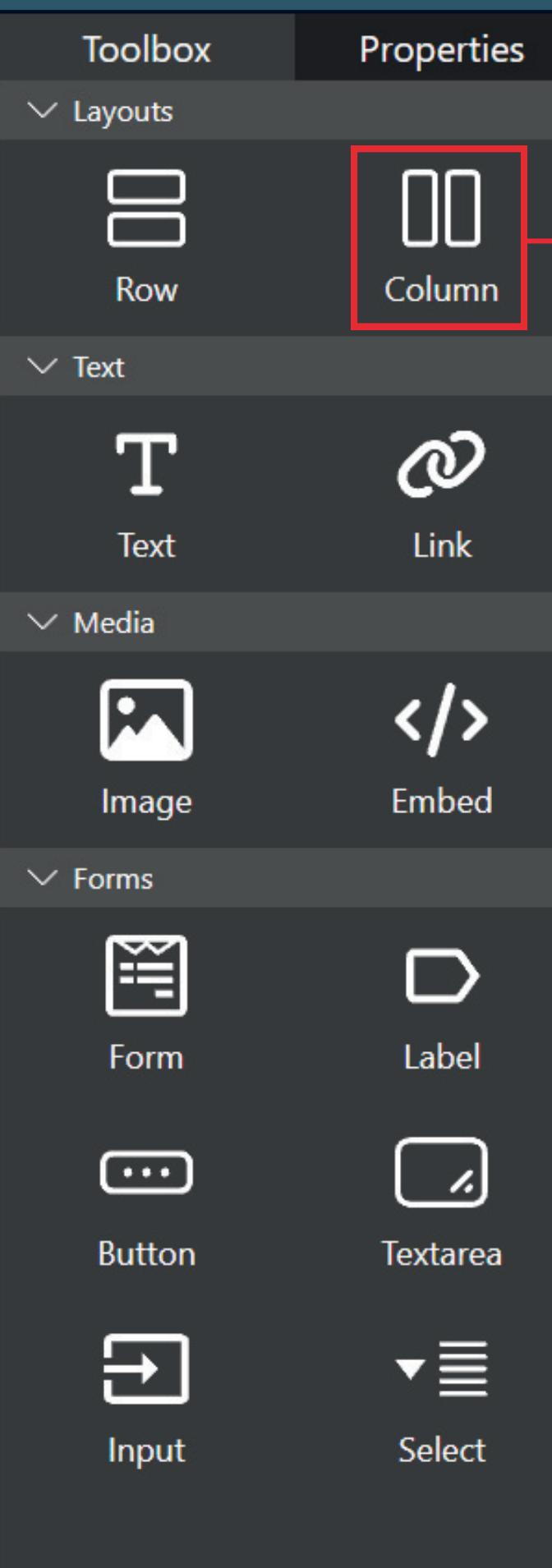
การគาง Layout ເວີບໄຊຕ່



การគาง Layout ເວີບໄຊຕ່



การทำงานหลังบ้าน



เมื่อคลิก Icon Element ระบบจะเรียกใช้
ฟังชั่นของการสร้าง Element นั้น ๆ

```
addCol: (state) => {
  appendElement(
    state,
    "Col",
    `<div id="col-${state.currentColNumber}" class="flex flex-col></div>`
  );
},
```

ผลลัพธ์หลังบ้านในไฟล์ HTML

```
app_golang > user_project_path > 1 > 5 > Index.html > ...
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta charset="UTF-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Index</title>
8      <style>
9          body {
10              margin: 0;
11              padding: 0;
12          }
13      </style>
14      <script src="https://cdn.tailwindcss.com"></script>
15  </head>
16
17  <body>
18      <div id="main">
19          <div id="col-1" class="flex flex-col">
20              </div>
21          </div>
22      </div>
23      <script src="Index.js"></script>
24      <script src="scripts.js"></script>
25  </body>
26
27  </html>
```

ระบบจะเพิ่ม Element เข้าไปในไฟล์ HTML
ทันทีหลังจากผู้ใช้คลิก Icon Element

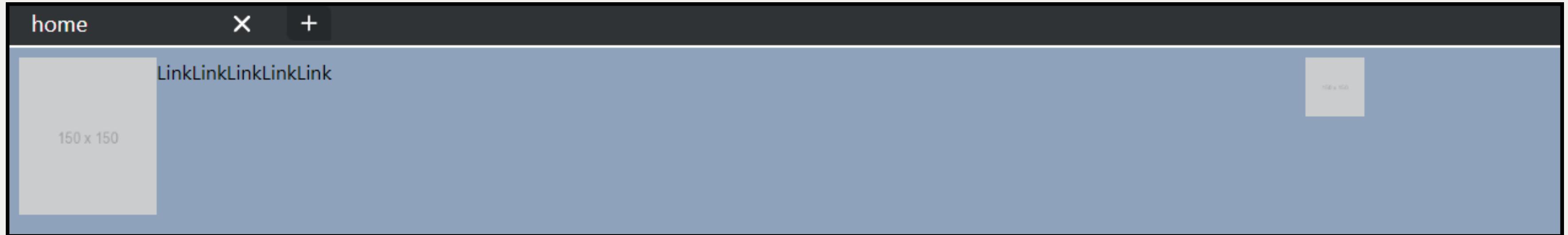
ผลลัพธ์การวาง Layout

The screenshot shows the FLEXiX web editor interface with the following components:

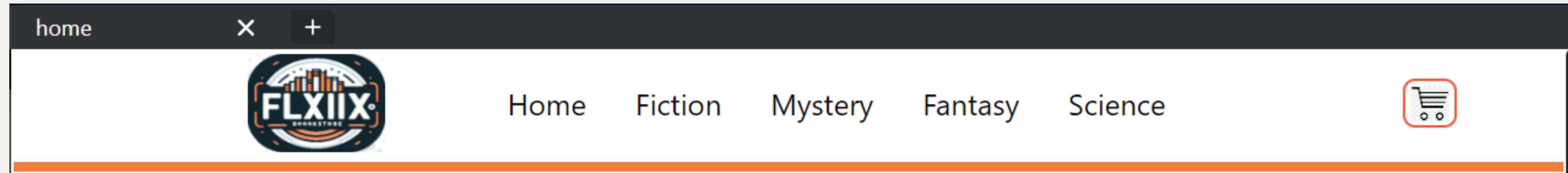
- Header:** FLEXiX logo, search bar, and user profile for John Smith.
- Toolbar:** Includes icons for eye (Preview), code (Code View), and other common tools.
- Page Explorer:** Shows a tree view of the page structure:
 - row-1
 - row-2
 - image-1
 - link-1
 - link-2
 - link-3
 - link-4
 - link-5
 - row-10
 - link-6
 - image-4
 - row-3
 - row-4
 - image-2
 - row-5
 - col-1
 - text-1
 - row-6
 - row-7
 - col-2
- Layer Explorer:** Shows the current layer structure: home.
- Content Area:** Displays the visual representation of the layout. It includes a large central area with a "150 x 150" placeholder, a top row with five "Link" placeholders, and a bottom row with a "Text" placeholder containing "150 x 150". A smaller "Text" placeholder is also present at the bottom.
- Toolbox:** Categories include:
 - Layouts:** Row (2 columns), Column (2 columns).
 - Text:** Text, Link.
 - Media:** Image, Embed.
 - Forms:** Form, Label, Button, Textarea, Input, Select.
- Properties:** Not visible in the screenshot.

ប្រើប្រាស់ Option & CSS

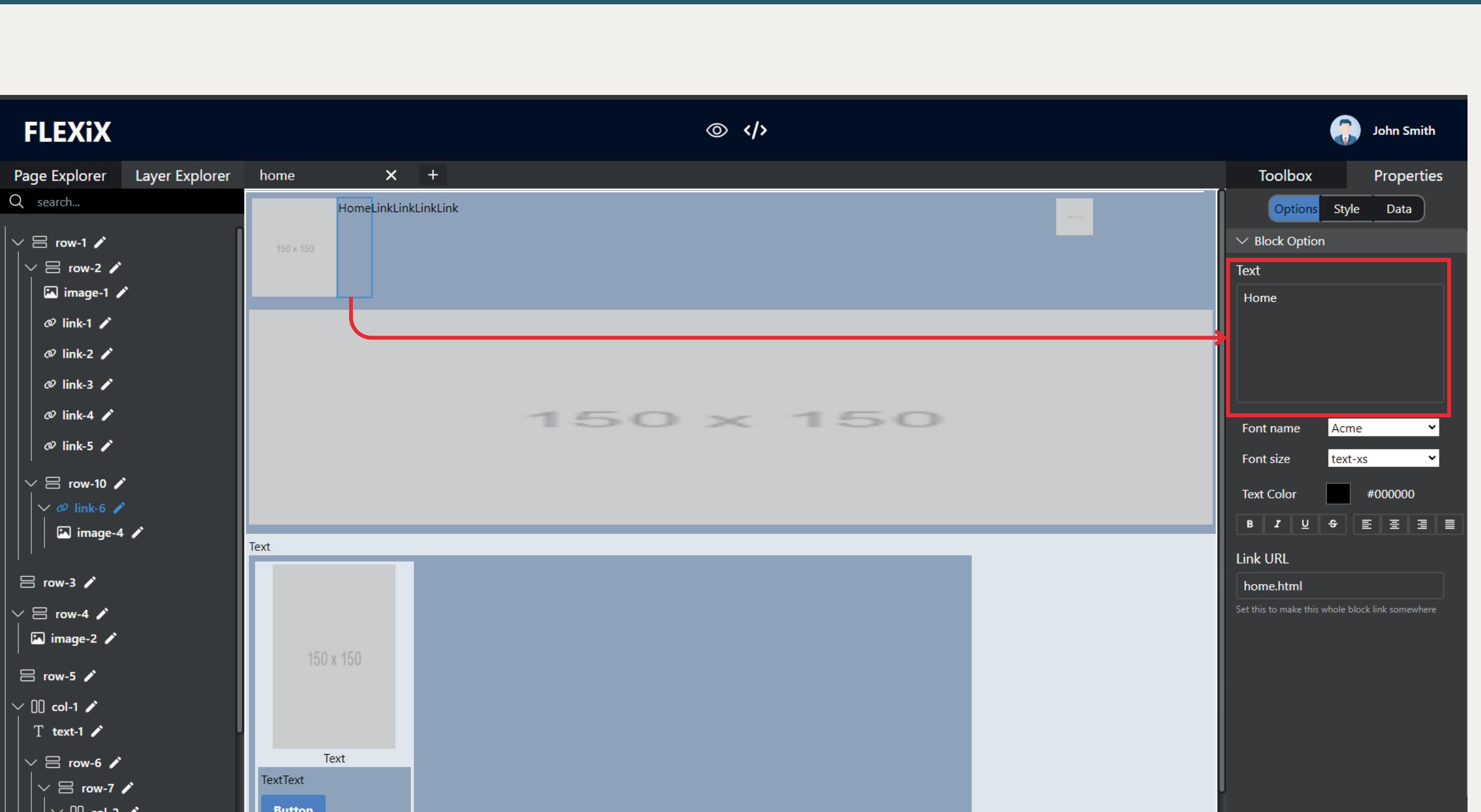
No Style



Style added



แก้ไขข้อความผ่าน Option



The screenshot shows the FLEXiX web editor interface. On the left, the **Page Explorer** and **Layer Explorer** are visible, displaying a page structure with various components like rows, images, and links. In the center, a **home** page is previewed with a large placeholder for an image labeled "150 x 150". To the right, the **Properties** panel is open, specifically the **Block Option** tab for a **Text** block. The text content "Home" is displayed, and the properties are set to **Font name: Acme**, **Font size: text-xs**, and **Text Color: #000000**. A red arrow points from the text content area in the preview to the corresponding "Text" section in the properties panel, highlighting the connection between the visual representation and the configuration options.

Toolbox **Properties**

Options **Style** **Data**

Block Option

Text

Home

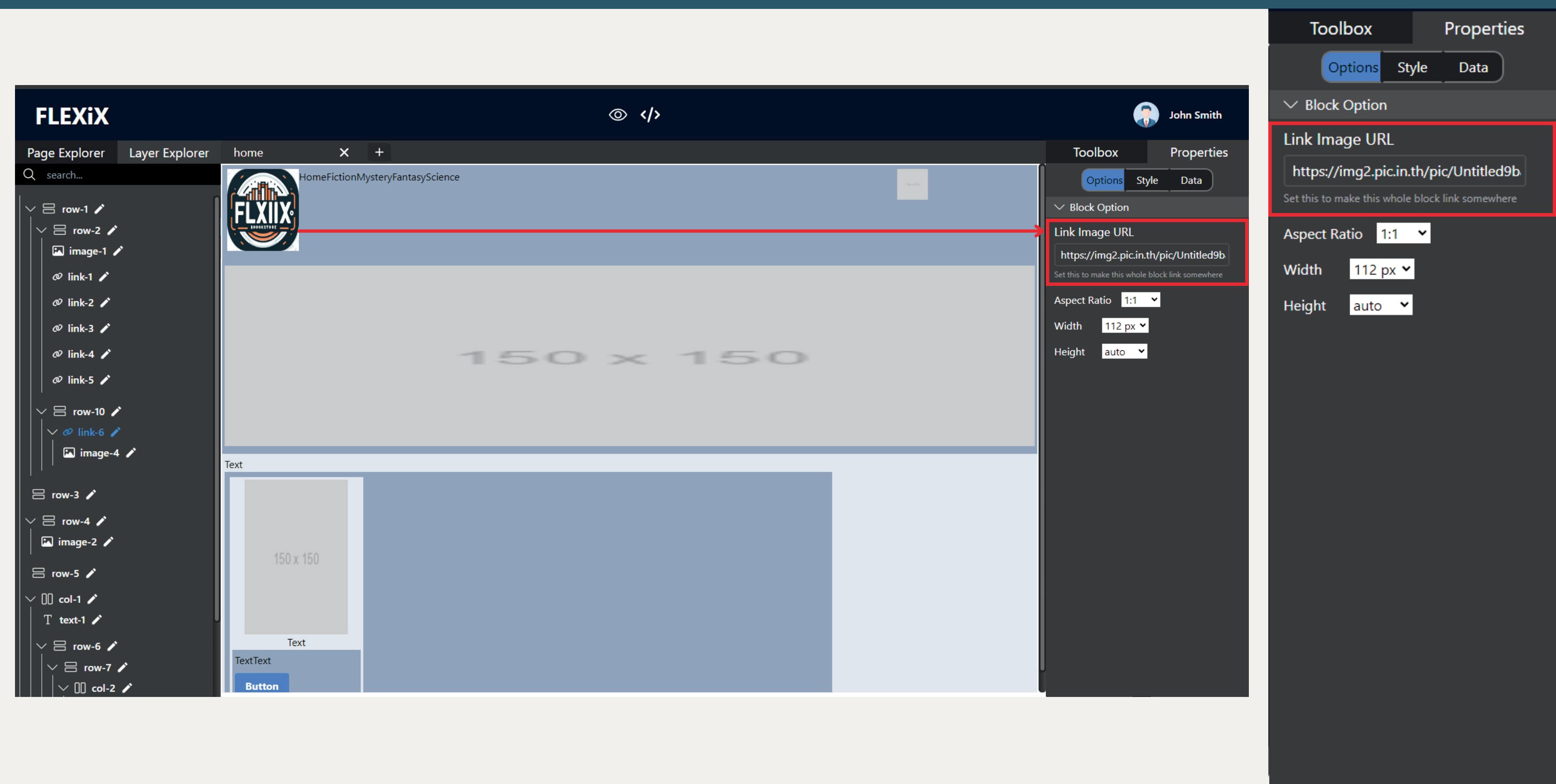
Font name: Acme

Font size: text-xs

Text Color: #000000

Link URL: home.html

แก้ไขลงกรุปผ่าน Option



The screenshot shows the FLEXiX web editor interface. On the left, the **Page Explorer** and **Layer Explorer** panels are visible, displaying a site structure with various rows, links, and images. In the center, a preview window shows a logo for "FLXIIX BOOKSTORE" with dimensions "150 x 150". On the right, the **Properties** panel is open, showing the **Block Option** tab selected. A specific section, **Link Image URL**, is highlighted with a red box and a red arrow pointing from the preview window to this section. The URL listed is <https://img2.pic.in.th/pic/Untitled9b>. Below this, there are settings for **Aspect Ratio** (set to 1:1), **Width** (set to 112 px), and **Height** (set to auto). The **Properties** tab is also visible in the Properties panel.

ปรับแต่ง CSS (ตำแหน่ง)

The screenshot shows a web page editor interface for FLEXiX, demonstrating how to use the Properties panel to adjust CSS styles.

Properties Panel:

- Layouts:** Align setting is highlighted with a red box and arrow, showing the "Center" option selected.
- Background:** Fill color is set to #FFFFFF (white) and Height is set to 100%.
- Typography:** Font name is set to Acme and Font size is set to text-xs.
- Margin & Padding:** Margin and Padding values are all set to 0px.
- Border:** Border style is set to none, border size is 0px, and border radius is 0px.

Page Preview:

The preview shows a header bar with a logo and navigation links (Home, Fiction, Mystery, Fantasy, Science). Below the header is a large gray area with a placeholder image (150 x 150) and text "--- Best Seller ---". A smaller gray box contains "Book_Name" and "Book_Price\$". At the bottom is a blue button labeled "Button".

Page Explorer:

- row-1: Contains a logo image and navigation links.
- row-2: Contains image-1 and link-1 through link-5.
- row-10: Contains link-6 and image-4.
- row-3: Empty row.
- row-4: Contains image-2.
- row-5: Empty row.
- col-1: Contains text-1.
- row-6: Contains row-7 and col-2.
- row-7: Contains Book_Name and Book_Price\$.
- col-2: Contains the "Button" element.

ปรับแต่ง CSS (สีพื้นหลัง)

The screenshot shows a web page editor interface for FLEXiX, demonstrating how to change the background color of a specific element.

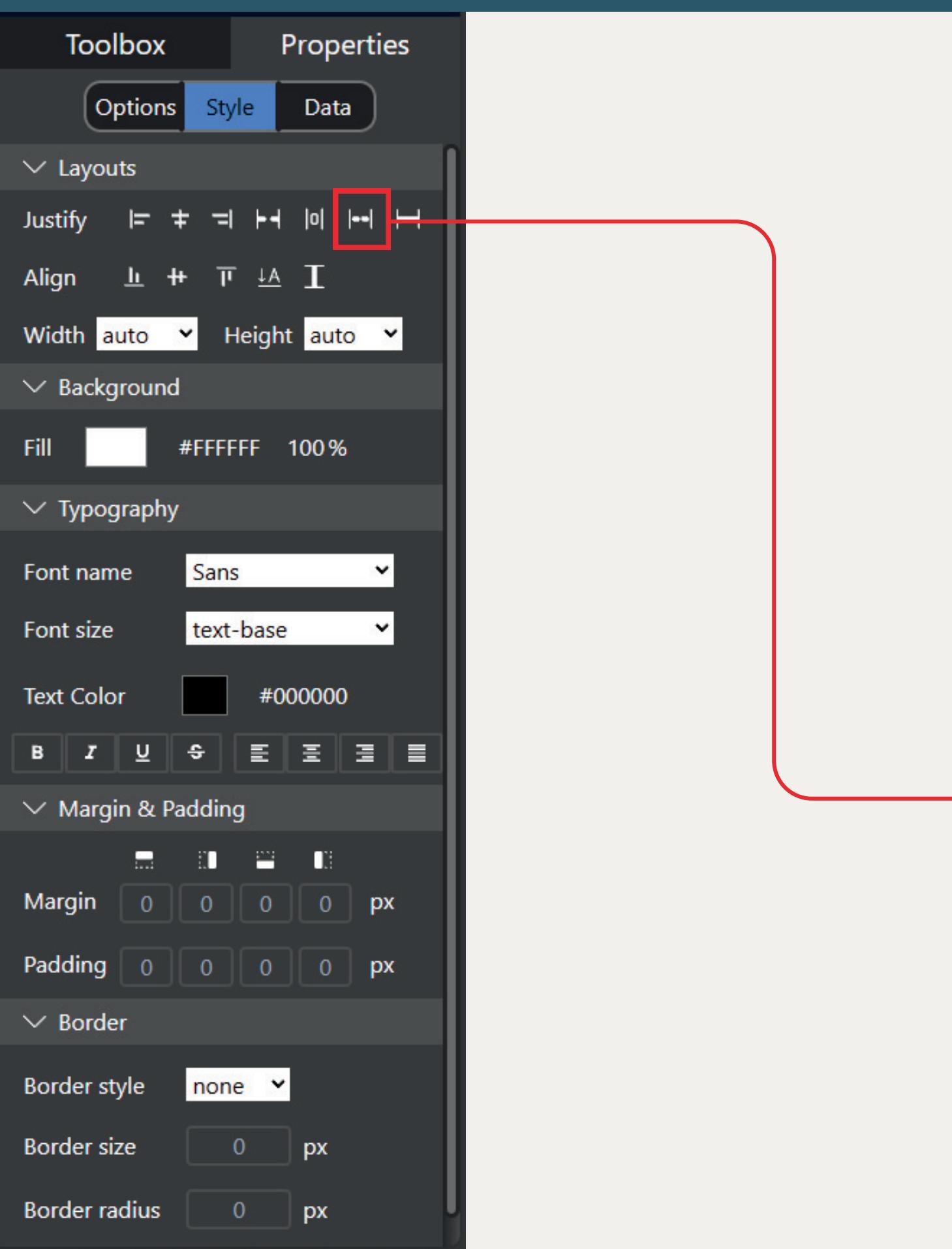
Page Explorer: On the left, it shows the page structure with various rows, columns, and components like the logo, navigation menu, and a central banner.

Properties Panel: On the right, the **Style** tab is selected. The **Background** section is highlighted with a red border. It shows the current fill color as `#F57A33` and 100% opacity. A red arrow points from the banner area to this section.

Properties:

- Background:**
 - Fill:** #F57A33 (100%)
 - Type:** Solid
 - Color:** #F57A33
 - RGB:** R: 245, G: 122, B: 51
- Margin:** 0px
- Padding:** 0px
- Border:**
 - Border style:** none
 - Border size:** 0px
 - Border radius:** 0px
 - Border Color:** #000000

ผลลัพธ์หลังบ้านการปรับ CSS



เมื่อคลิก Icon CSS หรือ Style ต่างๆ ระบบจะเรียกใช้ฟังction ของการปรับแต่งให้กับ Elements นั้น ๆ

```
AlignHorizontalCenter: (state) => {
  const targetNode = root.querySelector(state.currentFocus);
  targetNode.classList.remove("justify-start");
  targetNode.classList.remove("justify-end");
  targetNode.classList.remove("justify-between");
  targetNode.classList.remove("justify-around");
  targetNode.classList.remove("justify-evenly");
  targetNode.classList.remove("justify-stretch");
  targetNode.classList.toggle("justify-center", true);
  state.value = root.toString();
  SavePage(state, root.toString());
},
```

ผลลัพธ์หลังบ้านการปรับ CSS

app_golang > user_project_path > 1 > 5 > 5 Index.html > ...

```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta charset="UTF-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Product</title>
8      <style>
9          body {
10              margin: 0;
11              padding: 0;
12          }
13      </style>
14      <script src="https://cdn.tailwindcss.com"></script>
15  </head>
16
17 <body>
18     <div id="main">
19         <div id="col-1" class="flex flex-col justify-center">
20
21             </div>
22         </div>
23         <script src="Index.js"></script>
24         <script src="scripts.js"></script>
25     </body>
26
27 </html>
```

Style ที่ระบุเพิ่มเข้าไป
ใน Element

Build in Editor

FLEXiX

Page Explorer Layer Explorer

search...

Book_Store home.html

HTML JS

```
<div id="main">
  <div id="row-1" class="flex flex-row flex-wrap p-1 w-full bg-slate-400 justify-center items-center h-24" draggable="true" style="background-color: #F557A3; border: 1px solid #F557A3; border-radius: 10px; padding: 10px; margin-bottom: 10px;">
    <div id="row-2" class="flex flex-row flex-wrap p-1 max-h-full bg-slate-400 w-10/12 items-center" draggable="true" style="background-color: #FFFFFF; border: 1px solid #F557A3; border-radius: 10px; padding: 10px; margin-bottom: 10px;">
      <div id="row-3" class="flex flex-row flex-wrap p-1 w-full max-h-full bg-slate-400" draggable="true" style="background-color: #F557A3; border: 1px solid #F557A3; border-radius: 10px; padding: 10px; margin-bottom: 10px;">
        <div id="row-4" class="flex flex-row flex-wrap p-1 bg-slate-400 w-auto h-72" draggable="true" style="background-color: #FFFFFF;">
        <div id="row-5" class="flex flex-row flex-wrap p-1 w-full max-h-full bg-slate-400" draggable="true" style="background-color: #F557A3; border: 1px solid #F557A3; border-radius: 10px; padding: 10px; margin-bottom: 10px;">
          <div id="col-1" class="flex flex-col flex-wrap p-1 w-full max-h-full bg-slate-200 items-center" draggable="true" style="background-color: #FFFFFF; border: 1px solid #F557A3; border-radius: 10px; padding: 10px; margin-bottom: 10px;">
            <p id="text-1" class="text-black" draggable="true" style="color: #F557A3; font-weight: bold;">--- Best Seller ---
          <div id="row-6" class="flex flex-row flex-wrap p-1 max-h-full bg-slate-400 w-9/12" draggable="true" style="background-color: #FFFFFF; border: 1px solid #F557A3; border-radius: 10px; padding: 10px; margin-bottom: 10px;">
            <div id="row-7" class="flex flex-row flex-wrap p-1 max-h-full bg-slate-400 w-3/12 justify-center" draggable="true" style="background-color: #FFFFFF; border: 1px solid #F557A3; border-radius: 10px; padding: 10px; margin-bottom: 10px;">
              <div id="col-2" class="flex flex-col flex-wrap p-1 max-h-full bg-slate-200 w-11/12 items-center" draggable="true" style="background-color: #FFFFFF; border: 1px solid #F557A3; border-radius: 10px; padding: 10px; margin-bottom: 10px;">
                <p id="text-2" class="text-black" draggable="true" style="font-weight: bold;">Book_Name
                <div id="row-8" class="flex flex-row flex-wrap p-1 w-full max-h-full bg-slate-400 justify-center" draggable="true" style="background-color: #FFFFFF; border: 1px solid #F557A3; border-radius: 10px; padding: 10px; margin-bottom: 10px;">
                  <p id="text-3" class="text-black" draggable="true" style="background-color: #FFFFFF; color: #F557A3; font-weight: bold;">Book_Price
                  <p id="text-4" class="text-black" draggable="true" style="color: #F557A3; font-weight: bold;">$
                
```

Toolbox Properties

Layouts

Row Column

Text

Link

Media

Image Embed

Forms

Form Label

Button

Textarea

Select

Close

การทำงานกับบ้าน

HTML JS

```
<div id="row-2" class="flex flex-row flex-wrap p-1 max-h-full bg-slate-400 w-10/12 items-center" draggable="true" style="background-color: #F5CB33; border-style: solid; border-width: 2px; border-radius: 10px; padding: 10px; margin-bottom: 10px;">
</div>
<div id="row-10" class="flex flex-row flex-wrap p-1 bg-slate-400 w-11 h-10" draggable="true" style="background-color: #FFFFFF; border-style: solid; border-width: 2px; border-radius: 10px; padding: 10px; margin-bottom: 10px;">
<div id="row-3" class="flex flex-row flex-wrap p-1 w-full max-h-full bg-slate-400" draggable="true" style="background-color: #F57A33; "></div>
<div id="row-4" class="flex flex-row flex-wrap p-1 bg-slate-400 w-auto h-72" draggable="true" style="background-color: #FFFFFF; "><img id="image-1" alt="Image placeholder" style="width: 100%; height: 100%; object-fit: cover;" /></div>
<div id="row-5" class="flex flex-row flex-wrap p-1 w-full max-h-full bg-slate-400" draggable="true" style="background-color: #F57A33; "></div>
<div id="col-1" class="flex flex-col flex-wrap p-1 w-full max-h-full bg-slate-200 items-center" draggable="true" style="background-color: #F5CB33; border-style: solid; border-width: 2px; border-radius: 10px; padding: 10px; margin-bottom: 10px;">
<p id="text-1" class="text-black" draggable="true" style="color: #F59B33; ">--- Best Seller ---</p>
<div id="row-6" class="flex flex-row flex-wrap p-1 max-h-full bg-slate-400 w-9/12" draggable="true" style="background-color: #FFFFFF; ">
<div id="row-7" class="flex flex-row flex-wrap p-1 max-h-full bg-slate-400 w-3/12 justify-center" draggable="true" style="background-color: #F5CB33; border-style: solid; border-width: 2px; border-radius: 10px; padding: 10px; margin-bottom: 10px;">
<div id="col-2" class="flex flex-col flex-wrap p-1 max-h-full bg-slate-200 w-11/12 items-center" draggable="true" style="background-color: #F5CB33; border-style: solid; border-width: 2px; border-radius: 10px; padding: 10px; margin-bottom: 10px;">
<p id="text-2" class="text-black" draggable="true" style="color: #F59B33; ">Book_Name</p>
<div id="row-8" class="flex flex-row flex-wrap p-1 w-full max-h-full bg-slate-400 justify-center" draggable="true" style="background-color: #F5CB33; border-style: solid; border-width: 2px; border-radius: 10px; padding: 10px; margin-bottom: 10px;">
<p id="text-3" class="text-black" draggable="true" style="background-color: #FFFFFF; color: #F55733; ">Book_Price</p>
<p id="text-4" class="text-black" draggable="true" style="color: #F55733; ">$</p>
</div>
<div id="row-9" class="flex flex-row flex-wrap p-1 w-full max-h-full bg-slate-400 justify-center" draggable="true" style="background-color: #F5CB33; border-style: solid; border-width: 2px; border-radius: 10px; padding: 10px; margin-bottom: 10px;">
<button id="button-1" class="bg-blue-500 text-white font-bold py-2 px-4 rounded" type="button" draggable="true" style="background-color: #F5CB33; border-style: solid; border-width: 2px; border-radius: 10px; border-color: #F55733; color: #2169AC; ">Button</button>
</div>
</div>
</div>
</div>
</div>
```



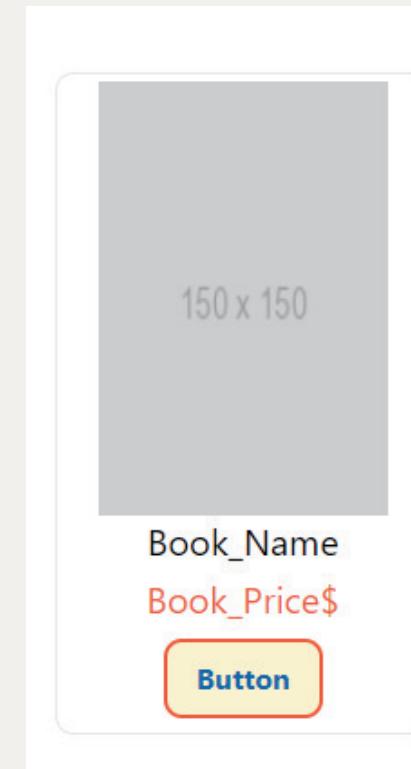
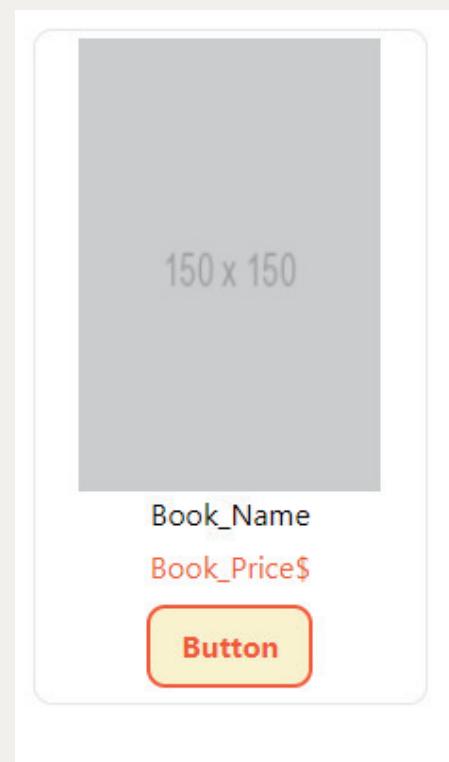
Close

Build in HTML Editor

```
<button
  id="button-1"
  class="bg-blue-500 text-white font-bold py-2 px-4 rounded"
  type="button"
  draggable="true"
  style="background-color: #f5cb33; border-style: solid; border-width: 2px; border-radius: 10px; border-color: #f55733; color: #2169ac; ">
  Button
</button>
```

ໄວ້ HTML

ผลลัพธ์การใช้ HTML Editor



ก่อนเปลี่ยน

หลังเปลี่ยน

FLXIIX BOOKSTORE

Home Fiction Mystery Fantasy Science

Special Offer
super
Up to 50% off
SALE
--- Best Seller ---

ผลลัพธ์ที่ต้องการหลังเชื่อมต่อ API (onLoad)

Frontend Builder home coproject.thddns.net:3320 / db

cepject.thddns.net:3322/run/7/25/home.html

FLXIX Bookstore

Home Fiction Mystery Fantasy Science

Special Offer
super Up to 50% off SALE

BookStore

--- Best Seller ---

The Emperor of All Maladies
178.59\$

Cosmos (Sagan book)
4.59\$

Nineteen Eighty-Four
4.89\$

Button

HARRY POTTER and the Deathly Hallows
159.59\$

Button

George Orwell
Nineteen Eighty-Four
a novel

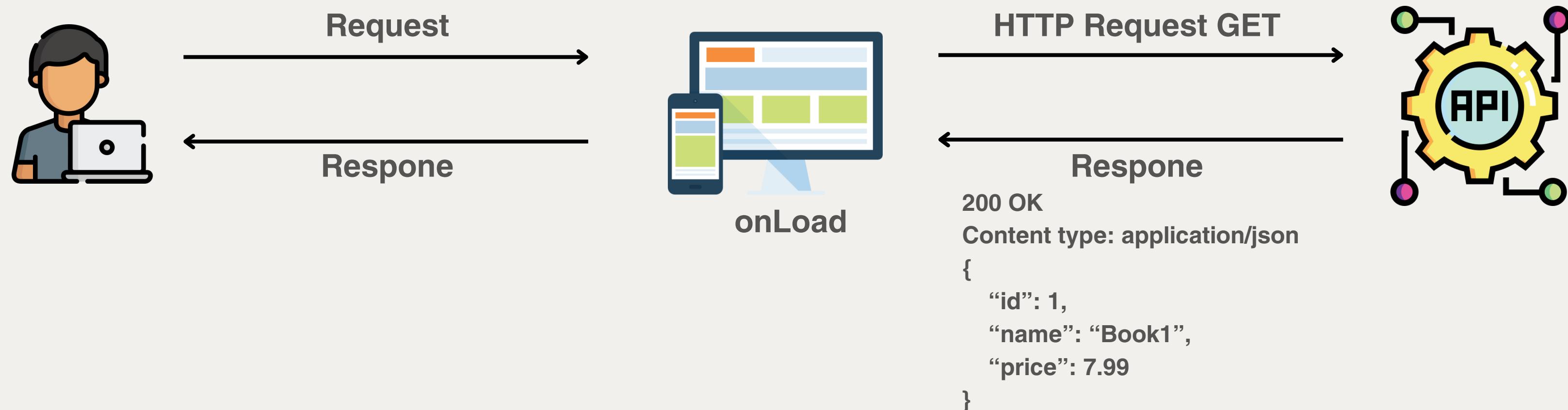
1984

Ronald Dworkin

The CATCHER IN THE RYE

Jack London

เชื่อมต่อ API (onLoad)



ใช้เหตุการณ์นี้เพื่อกำหนดต่าง ๆ หลังจากที่เว็บได้โหลดขึ้นมาแล้ว

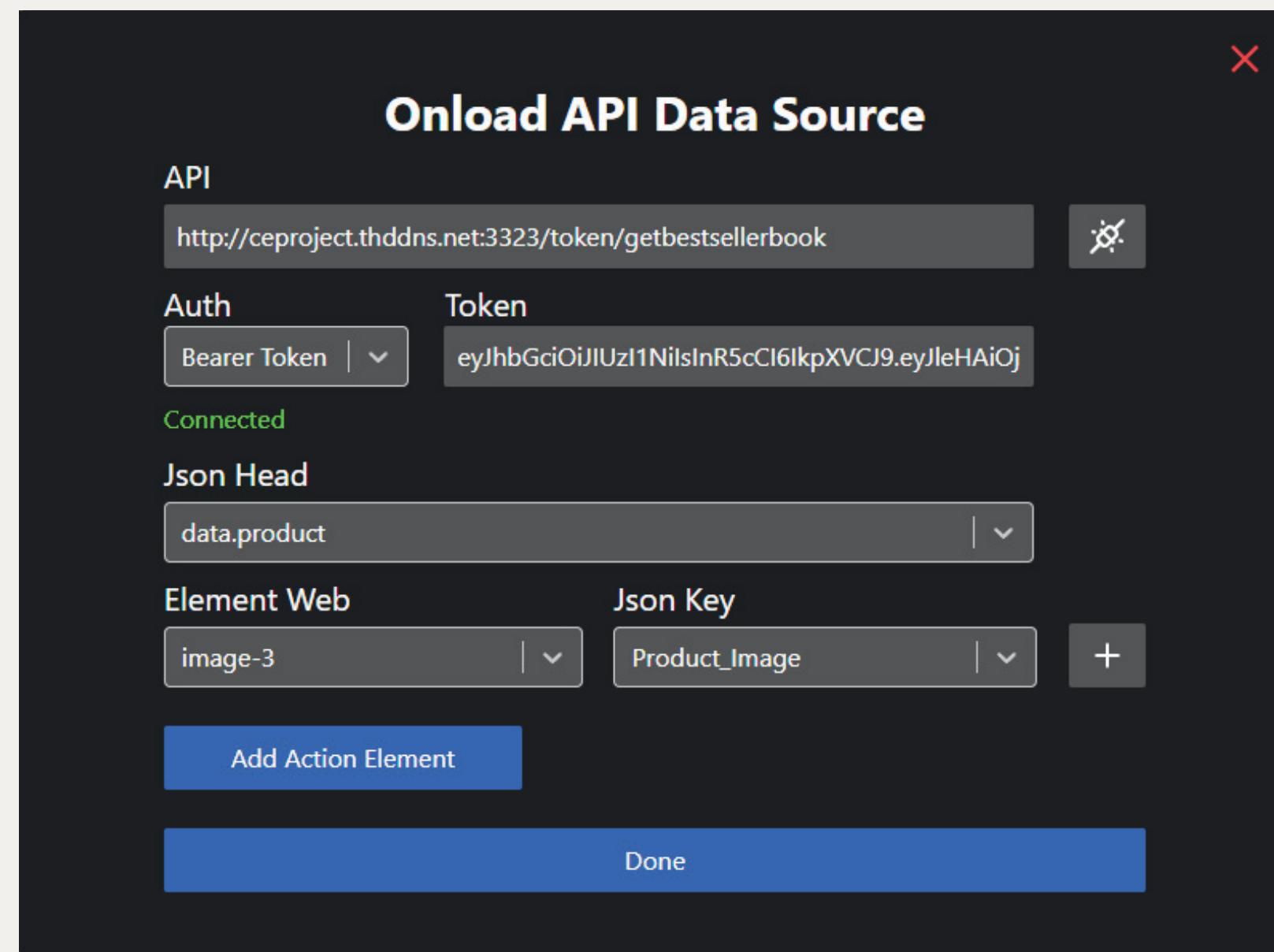
ເຊື່ອນຕ່າ API (onLoad)

The screenshot shows the FLEXiX application interface with the following elements:

- Header:** FLEXiX, search bar, eye icon, code editor icon.
- Left Sidebar:** Page Explorer (Book_Store, home.html), Layer Explorer.
- Central View:** Bookstore page with categories: Home, Fiction, Mystery, Fantasy, Science, and a shopping cart icon.
- Dialog Box:** Onload API Data Source dialog box with fields:
 - API: Placeholder field.
 - Auth: No Auth dropdown.
 - Token: Placeholder field.
 - Wait...: Placeholder field.
 - Json Head: Select... dropdown.
 - Element Web: Select... dropdown.
 - Json Key: Select... dropdown.
- Bottom Panel:** Book_Name, Book_Price\$, Button.
- Properties Panel:** Toolbox, Properties, Options, Style, Data tab selected. Under Data tab, Element event section is expanded, showing On Load do Edit Action.

A red arrow points from the "Edit Action" button in the Properties panel to the "Onload API Data Source" dialog, indicating the configuration path for the "onLoad" event.

ເຊື່ອມຕ່າ API (onLoad)



การทำงานหลังบ้าน

```

app_golang > user_project_path > 7 > 25 > js home.js > ...
1 window.onload = function () {
2   fetch("http://ceproject.thddns.net:3323/token/getbestsellerbook"
3 , {
4   method: "GET", // สามารถเปลี่ยนเป็น 'POST', 'PUT', ถ้ามีความจำเป็น
5   headers: { 'Authorization': 'Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJleHAiOjE3MDc3MzQyNzUsInVzZXJJZCI6MX0.vZCgeTAFcwyRsvRRy-cL7zTxUxokucy9gtLHAviwEkI' },
6 })
7 .then((response) => response.json())
8 .then((data) => {
9   const APIData = data.product
10  const sourceElement = document.getElementById("row-7");
11  const container = sourceElement.parentNode;
12  container.innerHTML = ""; // Clear the container to prepare for new elements
13  APIData.forEach((item, i) => {
14    const clonedElement = sourceElement.cloneNode(true);
15    clonedElement.id = `${sourceElement.id}`; // No need to escape backticks here
16    // Customize the clonedElement as necessary
17    clonedElement.querySelectorAll("*").forEach((child, index) => {
18
19      const newId = `${child.id}`; // No need to escape backticks here
20      child.id = newId; // Set the new id
21      // Check and change src for images
22
23 // // Check and change src for image-3
24 if (child.tagName === "IMG" && child.id.includes("image-3")) {
25   child.src = item.Product_Image; // Set the new src
26 }
27
28
29
30   });
31   container.appendChild(clonedElement); // Add the clonedElement to the container
32 });
33 })
34 .catch((error) => console.error("Error:", error));
35 };

```

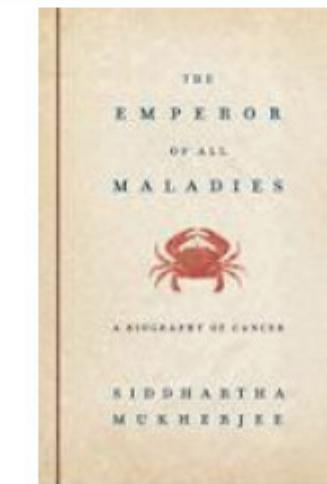
ພລກວົງ API onLoad



Home Fiction Mystery Fantasy Science



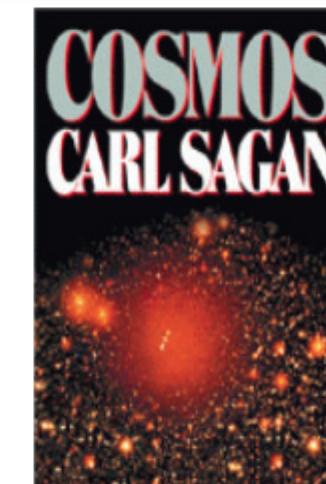
--- Best Seller ---



The
Emperor of
All Maladies

178.59\$

[Button](#)



Cosmos
(Sagan
book)

4.59\$

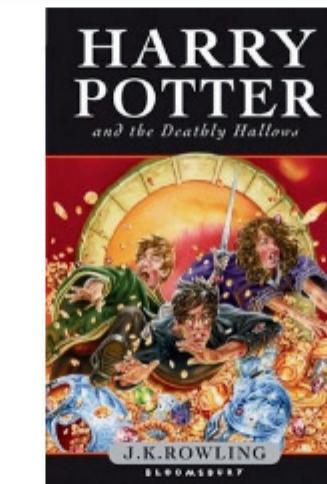
[Button](#)



Nineteen
Eighty-Four

4.89\$

[Button](#)



Harry Potter
and the
Deathly
Hallows

159.59\$

[Button](#)



ผลลัพธ์ที่ต้องการหลังเชื่อมต่อ API (onLoad)

FLEXiX

Page Explorer Layer Explorer detail X home X +

search... Book_Store detail.html home.html

FLXII Bookstore Home Fiction Mystery Fantasy Science

BOOKNAME
Author : XXX XXXX
Price : XXXX
Detail :
XXXXXXXXXXXX
Category : นิยาย
Amount : 0

Buy Now! Add to cart

Toolbox Properties Options Style Data

Element event On Load do Edit Action

John Smith

The screenshot displays the FLEXiX application interface. On the left, there's a sidebar with 'Page Explorer' and 'Layer Explorer' tabs, showing a project structure with 'Book_Store' containing 'detail.html' and 'home.html'. The main workspace shows a book detail page titled 'detail'. At the top of the page is a navigation bar with links for 'Home', 'Fiction', 'Mystery', 'Fantasy', and 'Science', along with a shopping cart icon. Below the navigation is a placeholder image area with dimensions '150 x 150'. To the right of the image, the book details are listed: 'BOOKNAME', 'Author : XXX XXXX', 'Price : XXXX', 'Detail : XXXXXXXXXXXX', 'Category : นิยาย', and an 'Amount : 0' input field. At the bottom are two buttons: 'Buy Now!' and 'Add to cart'. The right side of the interface features a 'Toolbox' and 'Properties' panel, with 'Properties' currently selected. Under 'Properties', the 'Data' tab is active, showing an 'Element event' section with an 'On Load' event configuration. A user profile for 'John Smith' is visible at the top right.

ผลลัพธ์ที่ต้องการหลังเชื่อมต่อ API (onLoad)

The diagram illustrates the result of connecting an API (onLoad). It shows a mobile device screen on the left and a web browser screen on the right.

Mobile Device Screen:

- Book Cover: COSMOS by CARL SAGAN
- Description: Cosmos (Sagan book)
- Price: 4.59\$
- A yellow button labeled "Button" is highlighted with a red arrow pointing to the corresponding book listing on the web browser screen.

Web Browser Screen:

- Header: FLIXIX
- Navigation: Home, Fiction, Mystery, Fantasy, Science
- Cart icon
- Book Listing:
 - Image: COSMOS by CARL SAGAN
 - Title: **Cosmos (Sagan book)**
 - Author: Carl Sagan
 - Price: **4.59**
 - Detail:

Cosmos is a popular science book written by astronomer and Pulitzer Prize-winning author Carl Sagan. It was published in 1980 as a companion piece to the PBS mini-series *Cosmos: A Personal Voyage* with which it was co-developed and intended to complement. Each of the book's 13 illustrated chapters corresponds to one of the 13 episodes of the television series.
 - Category: science
 - Amount:
 - Buttons: Buy Now!, Add to cart

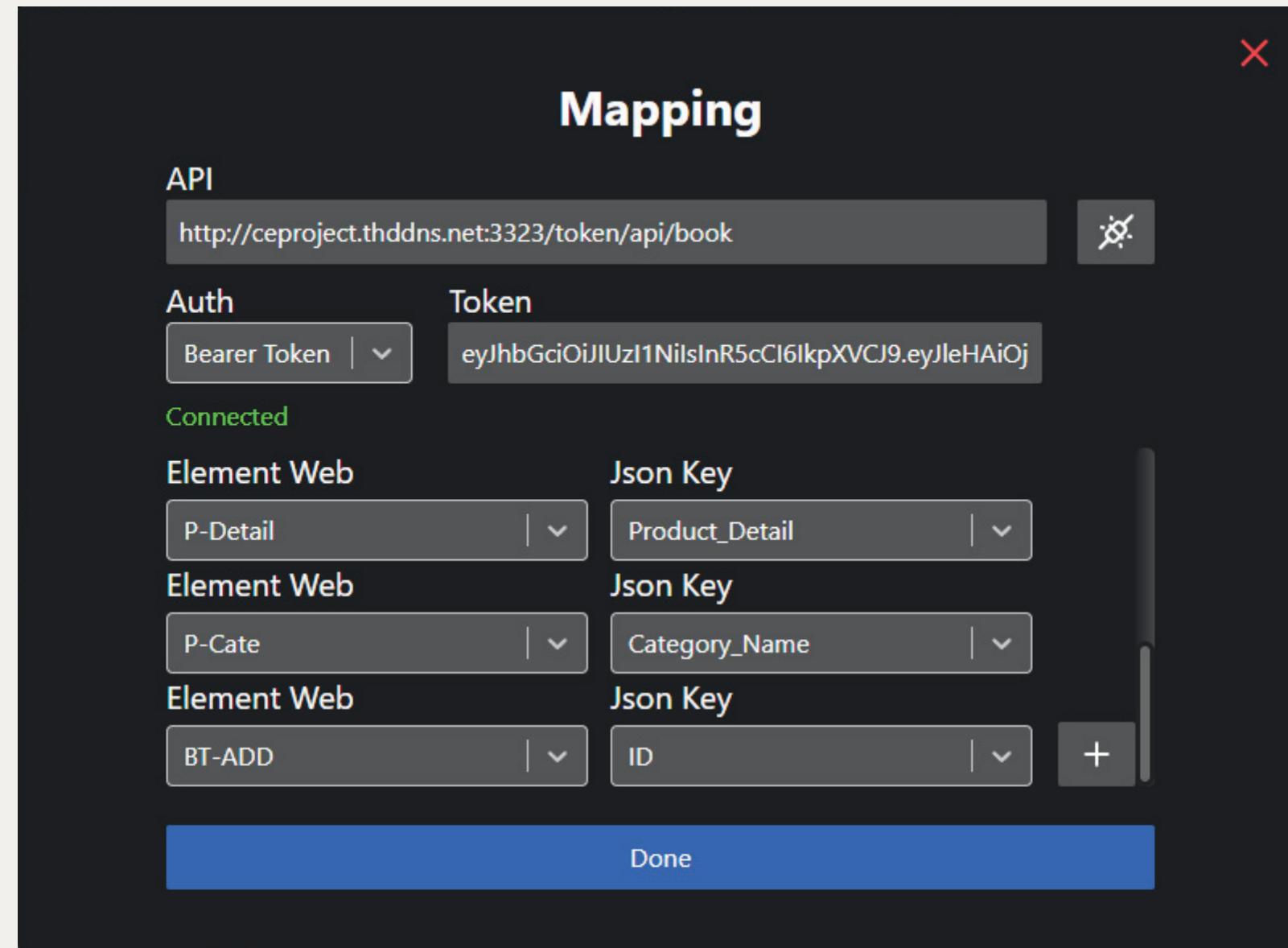
ເຊື່ອນຕົວ API (onLoad)

The screenshot shows the FLEXiX application interface with the following details:

- Page Explorer:** Shows a project structure with a folder named "Book_Store" containing a file named "home.html".
- Layer Explorer:** Shows a layer named "home" with a logo icon.
- Toolbox:** Shows various UI components like "Image", "Text", "Form", etc.
- Properties:** Shows settings for the selected element.
- Onload API Data Source Dialog:** A modal window titled "Onload API Data Source" is open, containing the following fields:
 - API:** `http://ceproject.thddns.net:3323/token/getbestsellerbook`
 - Auth:** `Bearer Token` dropdown with value `eyJhbGciOiJIUzI1NilsInR5cCI6IkpXVCJ9.eyJleHAiOj`
 - Token:** `Connected`
 - Json Head:** `data.product`
 - Element Web:** `Bookname` and **Json Key:** `Product_Name`
 - Element Web:** `BookPrice` and **Json Key:** `Product_Price`
- Bottom Navigation:** Buttons for "Done" and "Add Action Element".

A red arrow points from the "Data" tab in the Properties panel to the "On" dropdown in the "Element event" section of the Properties panel, indicating the configuration of an event trigger.

Mapping Sub-Page



ผลลัพธ์ API onLoad

The screenshot shows a mobile application interface. On the left, there is a card for the book "COSMOS" by Carl Sagan. The card features the book's title and author in large letters, with a small image of the book cover at the bottom. Below the title, the text "Cosmos (Sagan book)" is displayed, followed by the price "4.59\$". A yellow button labeled "Button" is located at the bottom right of the card. A red arrow points from this button towards the main content area on the right.

The screenshot shows a web page for the book "COSMOS" by Carl Sagan. At the top, there is a navigation bar with links for Home, Fiction, Mystery, Fantasy, and Science. To the right of the navigation bar is a shopping cart icon. The main content area displays the book's title "COSMOS" in large letters, followed by the author's name "CARL SAGAN". Below the title is a large image of the book cover, which shows a starry background with a central bright light. To the right of the image, the text "Cosmos (Sagan book)" is displayed, along with the author "Author : Carl Sagan" and the price "Price : 4.59". A section titled "Detail :" provides a brief description of the book, stating that it is a popular science book written by astronomer and Pulitzer Prize-winning author Carl Sagan, published in 1980 as a companion piece to the PBS mini-series "Cosmos: A Personal Voyage". Below this, the category "Category : science" is listed. An input field for "Amount :" contains the value "0". At the bottom, there are two buttons: "Buy Now!" and "Add to cart".

เชื่อมต่อ API (onClick)

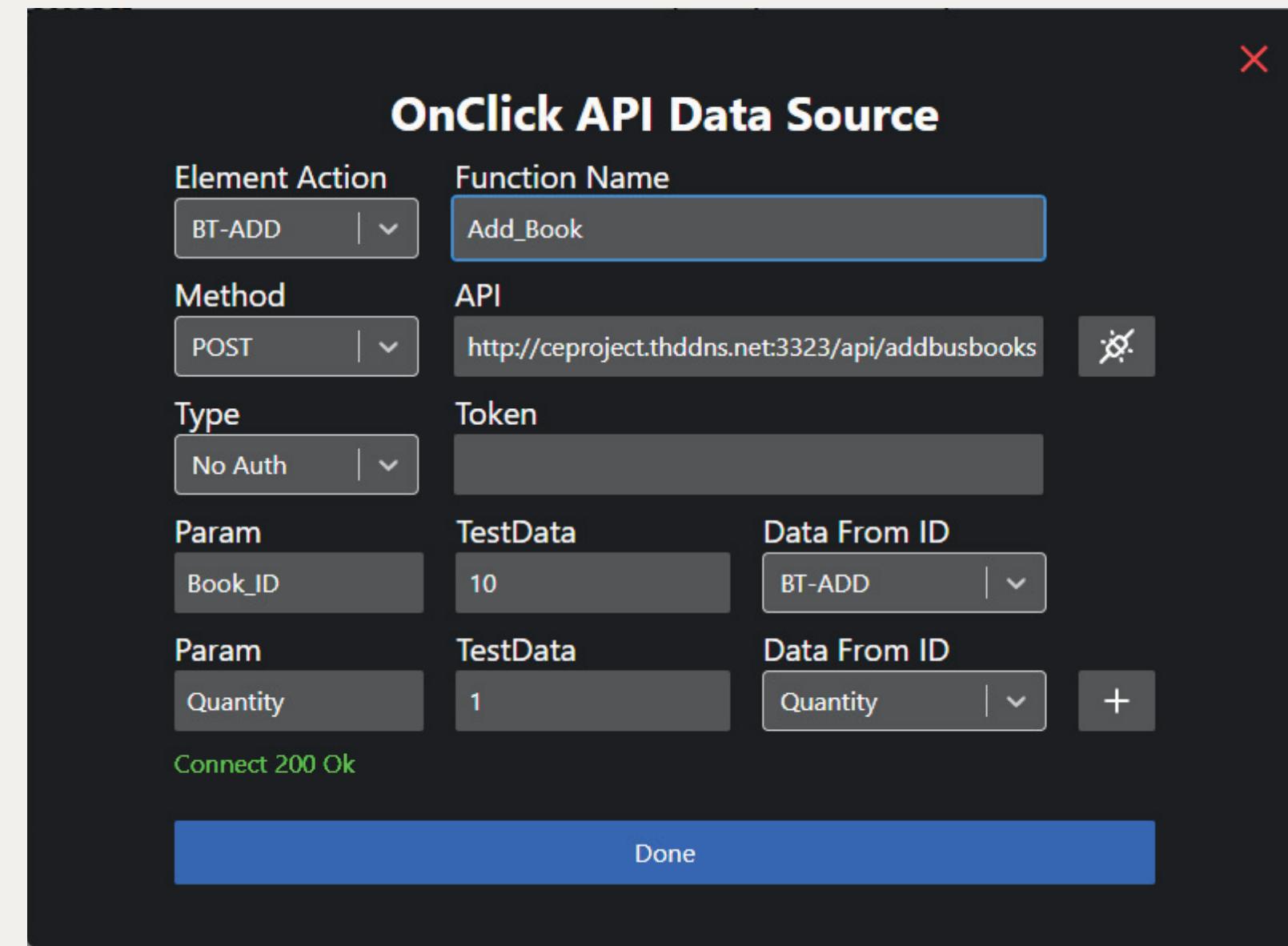


เหตุการณ์ **onclick** เป็นเหตุการณ์ที่เกิดขึ้นเมื่อผู้ใช้คลิก (click)
บนองค์ประกอบ HTML หรือ Element บนหน้าเว็บ

ເລື່ອນຕົວ API (onClick)

The screenshot shows the FLEXiX application interface. On the left, the Page Explorer lists files: Book_Store, detail.html, and home.html. The main area displays a navigation bar with Home, Fiction, Mystery, Fantasy, and Science categories, and a shopping cart icon. A modal dialog titled "Function" is open in the center. At the bottom of the dialog is a blue "Create" button. To the right, the Properties panel is visible, showing the "Element event" section with an "On Click" event selected. A red box highlights the "On Click" section, and a red arrow points from it to the "Create" button in the dialog. The top right corner of the screen shows a user profile for John Smith.

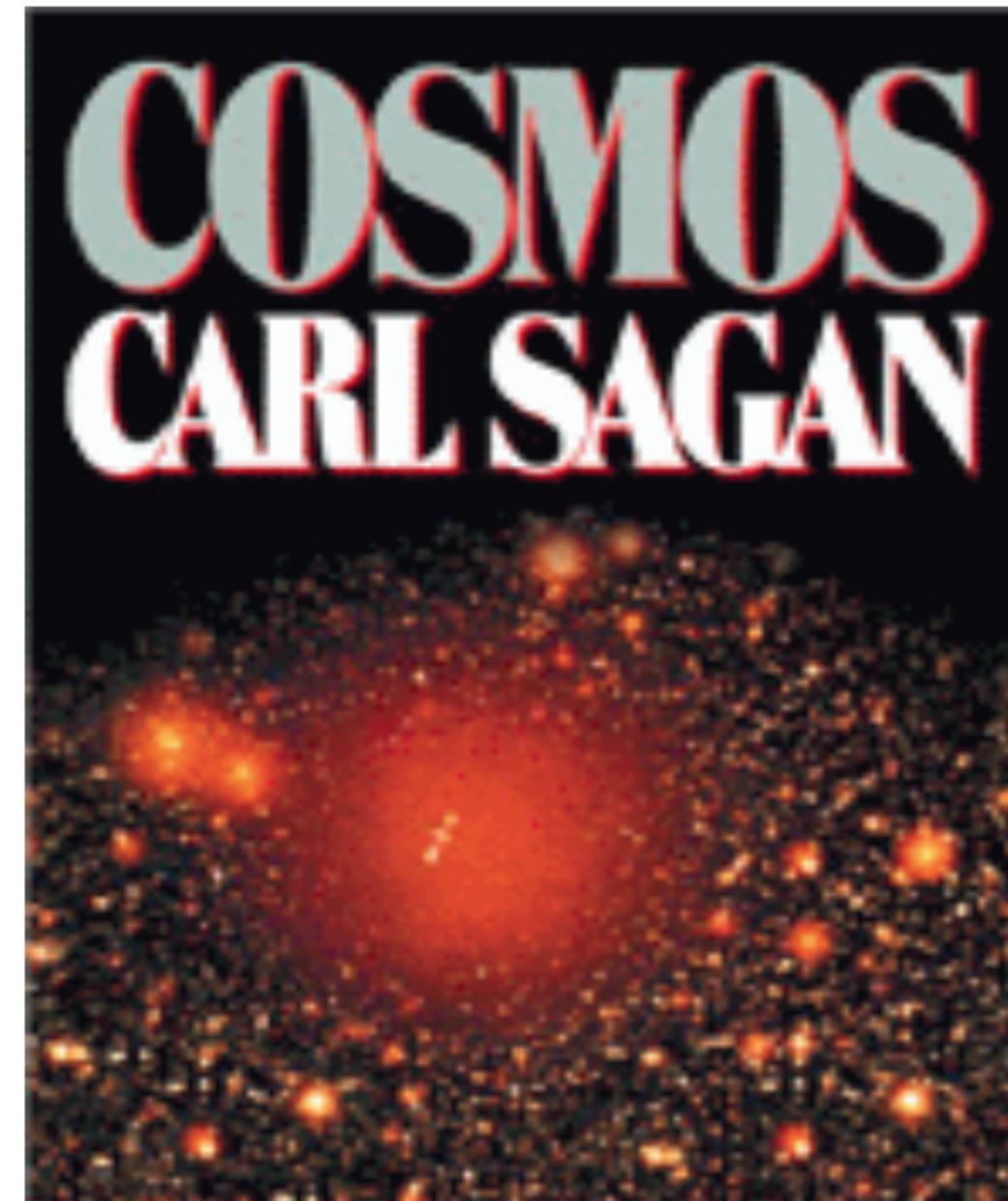
ເລື່ອນຕົວ API (onClick)



ເລື່ອນຕົວ API (onClick)



Home Fiction Mystery Fantasy Science



Cosmos (Sagan book)

Author : Carl Sagan

Price : 4.59

Detail :

Cosmos is a popular science book written by astronomer and Pulitzer Prize-winning author Carl Sagan. It was published in 1980 as a companion piece to the PBS mini-series *Cosmos: A Personal Voyage* with which it was co-developed and intended to complement. Each of the book's 13 illustrated chapters corresponds to one of the 13 episodes of the television series.

Category : science

Amount :

Input

[Buy Now!](#)

[Add to cart](#)

Customer_ID	Book_ID	Quantity
-------------	---------	----------

1

28

10

การทำงานหลังบ้าน

```

app_golang > user_project_path > 7 > 25 > js detail.js > ...
2  document.addEventListener("DOMContentLoaded", function () {
25 });
26 const Add_Book = async () => {
27   // รับค่าจาก input fields
28   const Book_ID = document.getElementById("BT-ADD").value;
29   const Quantity = document.getElementById("Quantity").value;
30
31   // สร้าง object สำหรับส่งข้อมูล
32   const dataBody = {
33     Book_ID: Book_ID,
34     Quantity: Quantity,
35   };
36
37   try {
38     const response = await fetch("http://ceproject.thddns.net:3323/api/addbusbooks", {
39       method: "POST",
40       headers: {
41         "Content-Type": "application/json", // กำหนด Content-Type header เป็น application/json
42       },
43       body: JSON.stringify(dataBody), // แปลง object เป็นสตริง JSON
44     });
45
46     if (!response.ok) {
47       throw new Error(`HTTP error! status: ${response.status}`);
48     }
49
50     const data = await response.json(); // อ่าน JSON จาก response body
51     console.log("Data:", data);
52   } catch (error) {
53     console.error("Error fetching data:", error);
54   }
55 }
56
57 };

```

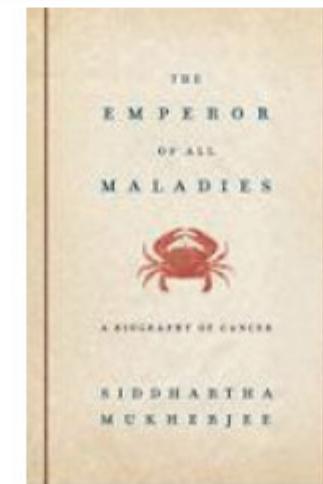
Preview



Home Fiction Mystery Fantasy Science



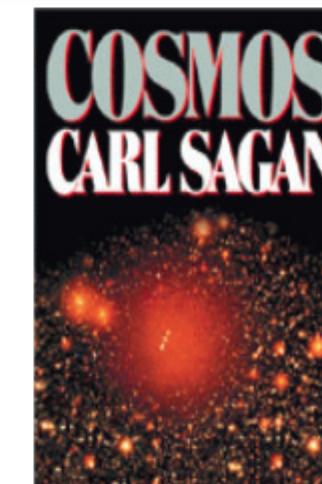
--- Best Seller ---



The
Emperor of
All Maladies

178.59\$

[Button](#)



Cosmos
(Sagan
book)

4.59\$

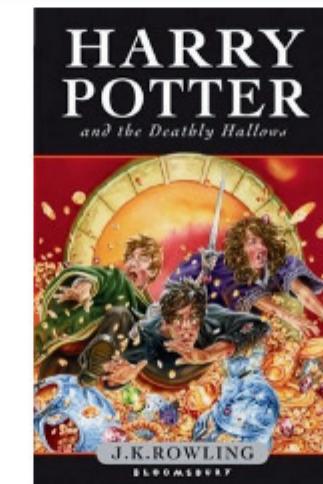
[Button](#)



Nineteen
Eighty-Four

4.89\$

[Button](#)



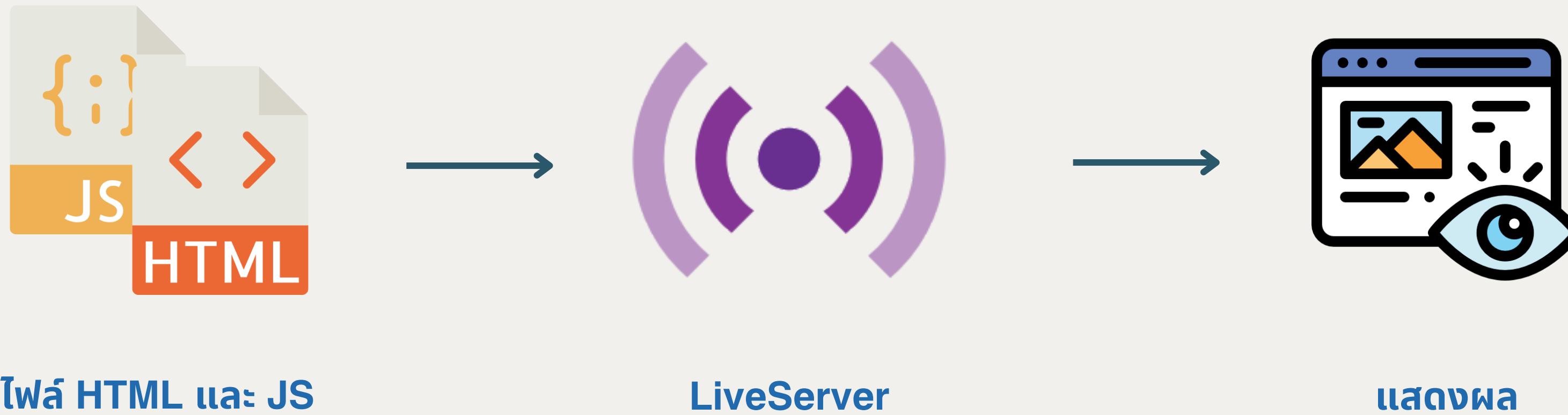
Harry Potter
and the
Deathly
Hallows

159.59\$

[Button](#)



การทำงานของฟังก์ชัน Preview

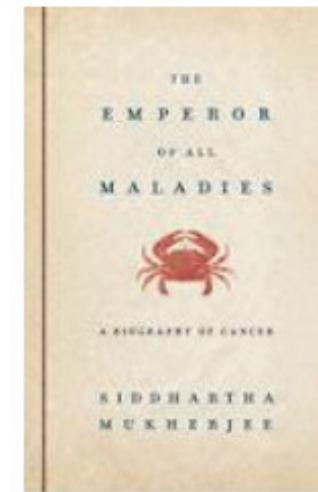




Home Fiction Mystery Fantasy Science



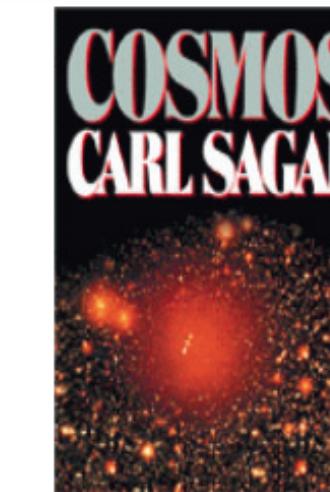
--- Best Seller ---



The
Emperor of
All Maladies

178.59\$

[Button](#)



Cosmos
(Sagan
book)

4.59\$

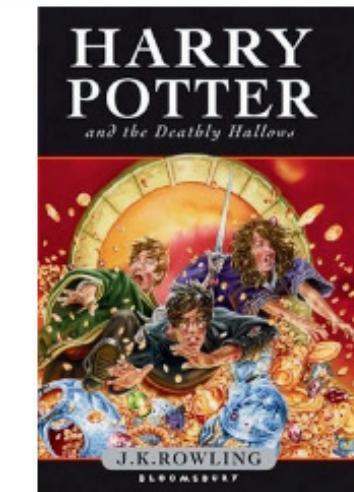
[Button](#)



Nineteen
Eighty-Four

4.89\$

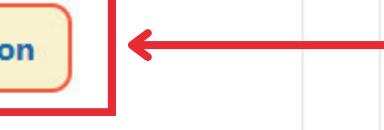
[Button](#)

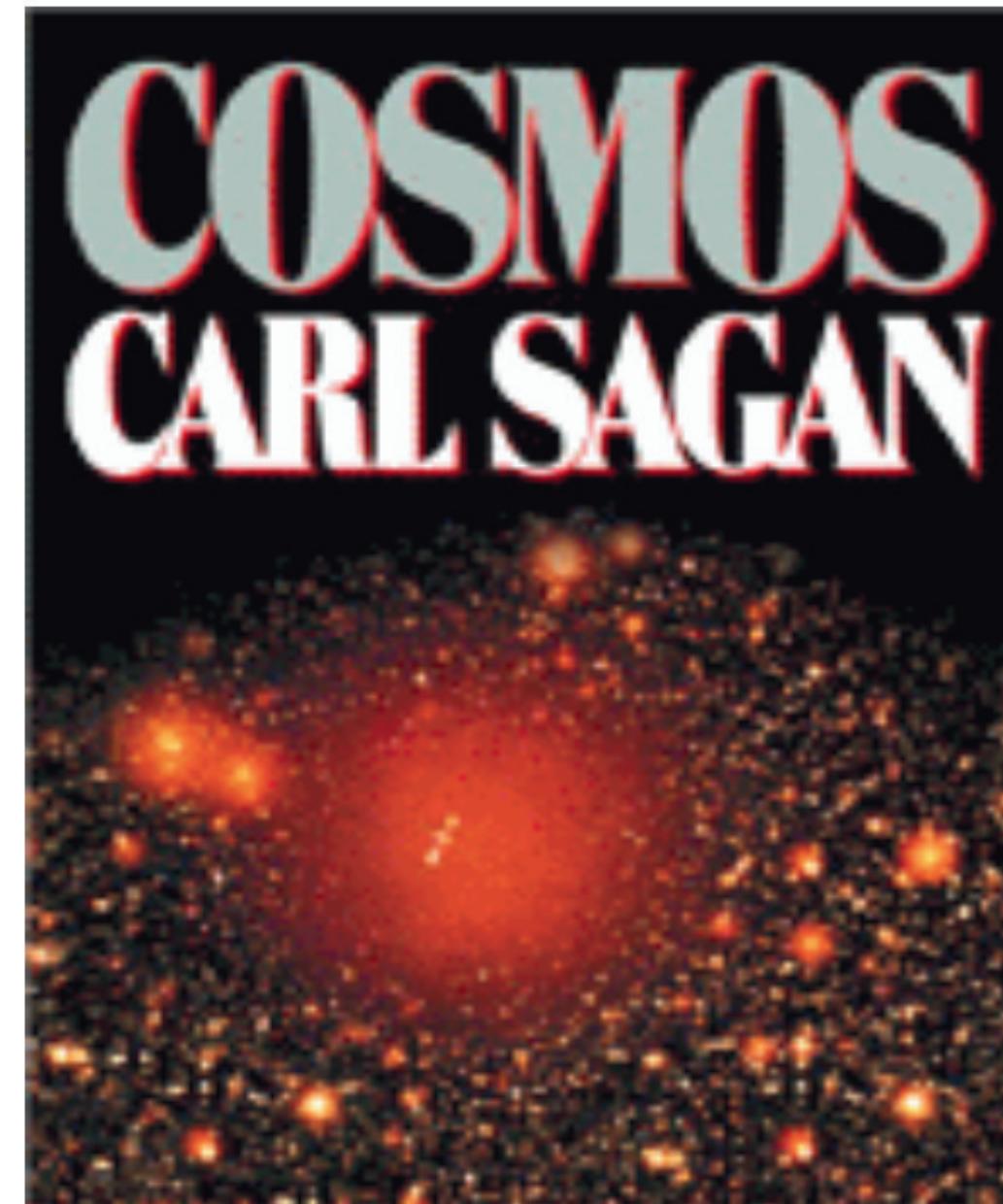


Harry Potter
and the
Deathly
Hallows

159.59\$

[Button](#)





Cosmos (Sagan book)

Author : Carl Sagan

Price : 4.59

Detail :

Cosmos is a popular science book written by astronomer and Pulitzer Prize-winning author Carl Sagan. It was published in 1980 as a companion piece to the PBS mini-series Cosmos: A Personal Voyage with which it was co-developed and intended to complement. Each of the book's 13 illustrated chapters corresponds to one of the 13 episodes of the television series.

Category : science

Amount :

Input

[Buy Now!](#)

[Add to cart](#)

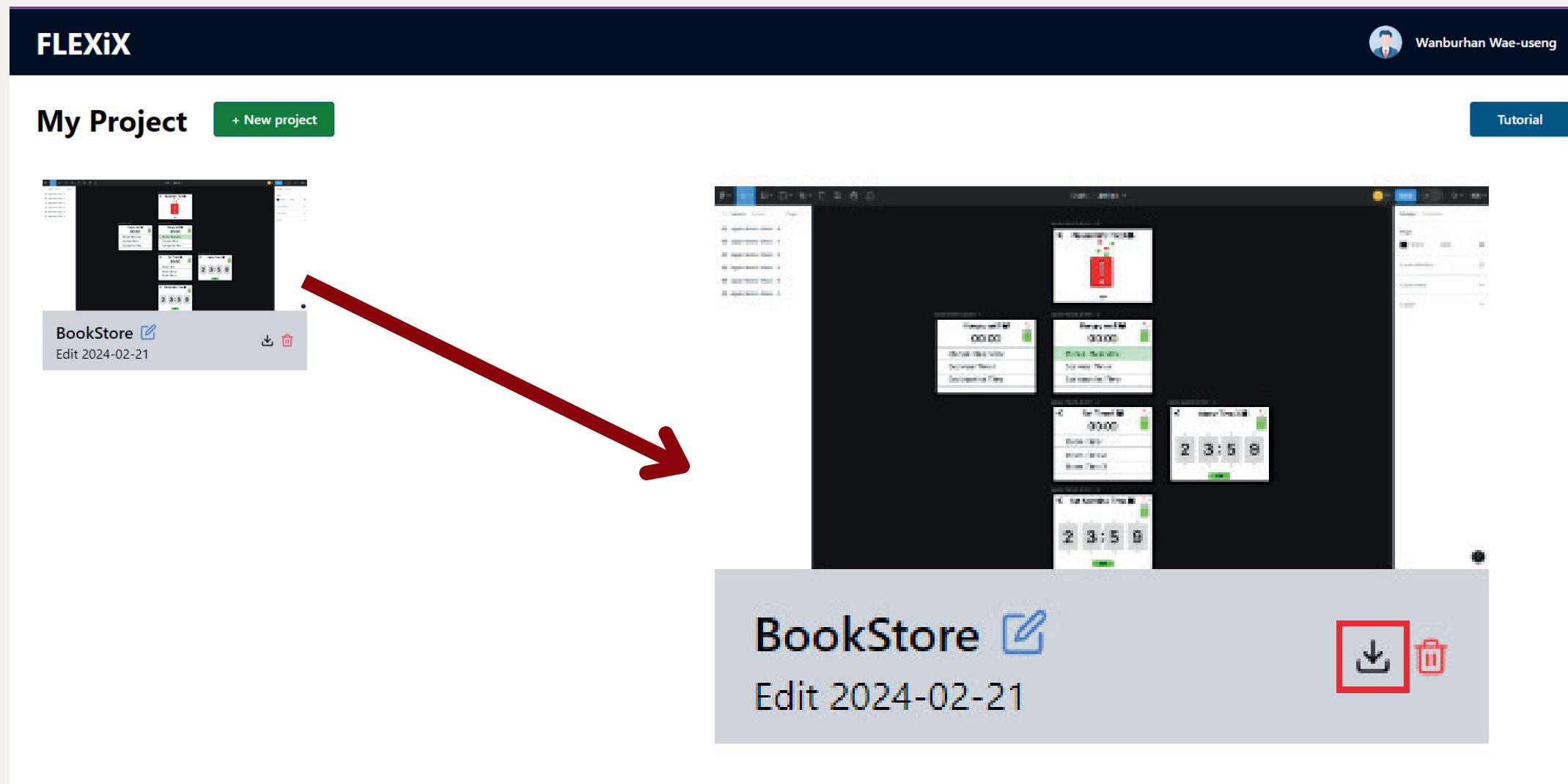
Customer_ID	Book_ID	Quantity
-------------	---------	----------

1

28

10

ສາມາດ Export Project ໄດ້



Export Project



BookStore.zip

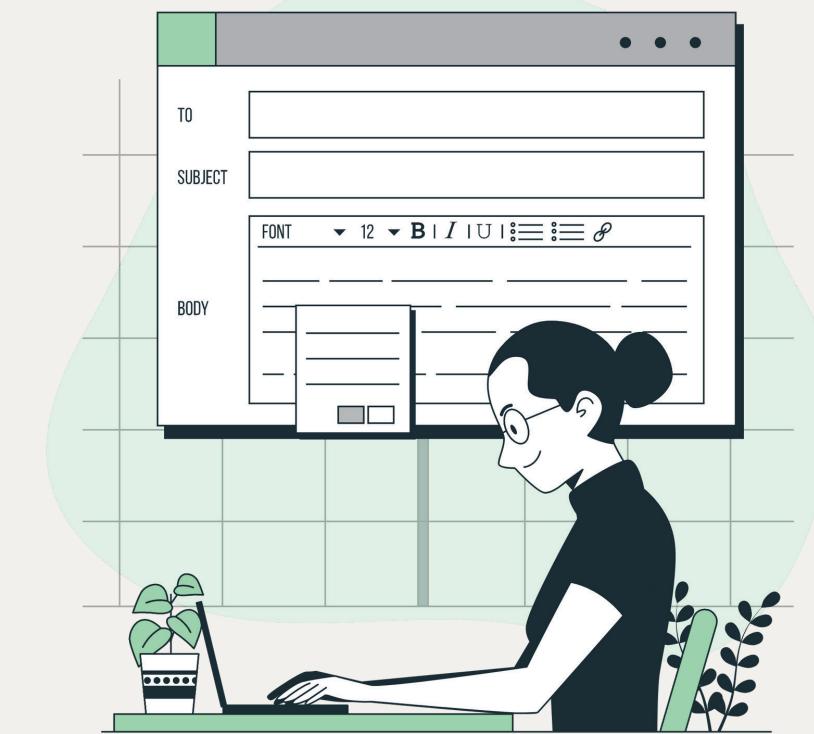
ประโยชน์ของการใช้งาน



นำข้อมูล JSON ที่ได้จาก API มาแสดง
ผลบนเว็บไซต์ในรูปแบบรูปภาพ หรือ
ข้อความซึ่งจะช่วยเพิ่มความเข้าใจและ
เห็นภาพมากขึ้น

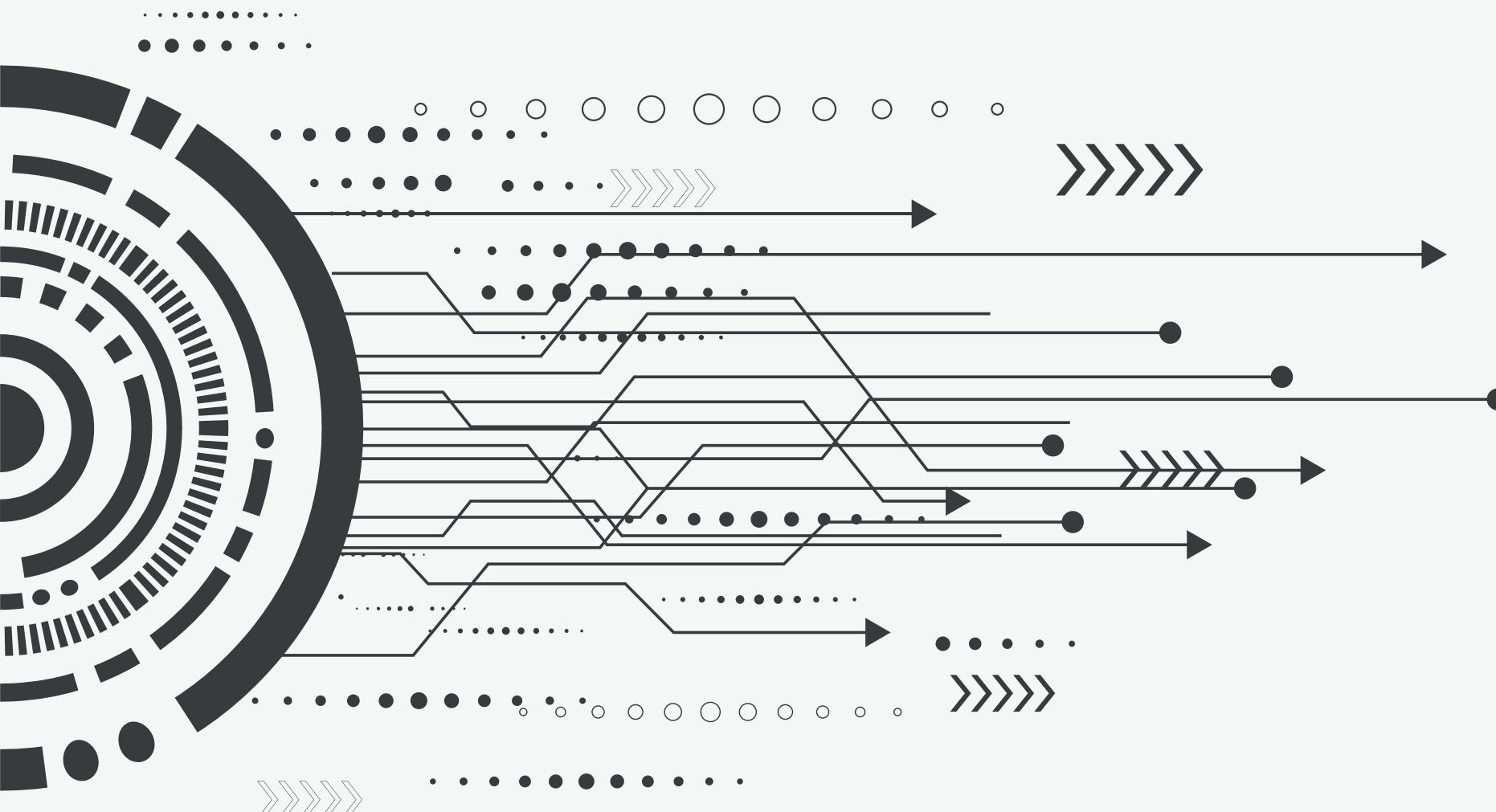


ช่วยให้นักพัฒนาสามารถสร้างหน้า
เว็บไซต์ ได้ง่ายขึ้นโดยไม่ต้องมีความ
เชี่ยวชาญทางด้าน HTML/CSS



การใช้งานเป็นรูปแบบ Low Code ซึ่ง
จะช่วยลดเวลาในการพัฒนาส่วนของ
Front-end ได้

แนวทางพัฒนาในอนาคต



- ✓ สามารถเก็บข้อมูลลงใน Session หรือ Local Storage
- ✓ ผู้ใช้สามารถทำงานร่วมกันได้
- ✓ เว็บไซต์ที่สร้างสามารถใส่ลูกเล่นได้酵ะขึ้น
- ✓ ให้บริการ Host ผ่านตัวเว็บแอปพลิเคชัน
- ✓ Export เป็น Framework ต่างๆ ได้ เช่น React.js, Vue.js, Angular, etc.



Thank You

Q & A