

## XSF: FullStack Developer Test

Pt.1 Basic JS, CSS

A. Create a function that converts the format of this variable

Input: [  
  { name: "Alex", tel: "0991112222", code: "xsf0001"},  
  { name: "Jane", tel: "0812221234", code: "xsf0002"},  
  { name: "Alex", tel: "0832214433", code: "xsf0001"},  
  { name: "Alex", tel: "0991113122", code: "xsf0003"}]  
Output: [  
  { name: "Alex", tel: ["0991112222", "0832214433"], code: "xsf0001"},  
  { name: "Jane", tel: "0812221234", code: "xsf0002"},  
  { name: "Alex", tel: "0991113122", code: "xsf0003"}]

B. Create a function that converts the format of this variable

Input: {  
  customer: "Xsurface",  
  contact: [  
    {name: "Max"},  
    {name: "Mike"},  
    {name: "Adam"}],  
  address: "Sukhumvit 62",  
}  
Output: [ {  
  name: "Max",  
  customer: "Xsurface",  
  address: "Sukhumvit 62",  
}, {  
  name: "Mike",  
  customer: "Xsurface",  
  address: "Sukhumvit 62",  
}, {  
  name: "Adam",  
  customer: "Xsurface",  
  address: "Sukhumvit 62",  
}]

C. Create a function that converts the format of this variable

Input: [  
  { name: "A", age: "30"},  
  { name: "B", age: "9"},  
  { name: "C", age: "20"},  
  { name: "D", age: "18"},  
  { name: "E", age: "11"},  
  { name: "F", age: "60"},  
  { name: "G", age: "27"},

```
{ name: "H", age: "90"},  
{ name: "I", age: "21"},  
{ name: "J", age: "12"}  
]  
Output: ["B", "J", "D", "I", "G", "A"]
```

D. Create a function that receives input from question C and always displays a bullet list of Outputs with this format style.

Example:

- **This is A, It correctly outputs from question C.**
- **This is B, It correctly outputs from question C.**

## Pt.2 Develop web applications with React, NodeJS, and Mongo

The screenshot displays the XSurface website interface. At the top, there is a navigation bar with the XSurface logo, a search bar, and various menu items in Thai. Below the header, a large banner with the text "BANNER XSURFACE" and "1440x472 px" is shown. A dashed red rectangle highlights the banner area.

Below the banner, there is a row of eight category cards labeled "Laminate", "Tile", "Stone", "Wood", "Mirror", "WPC", "Metal", and "All Product". Each card has a placeholder image and a red "512x512px" label above it.

A section titled "ดูสีสุด" (See all colors) follows, featuring a grid of six product images with their names and prices: "Product name: B550 70x100", and "Product name: B550 70x100".

The next section is titled "สินค้ายอดนิยม / แนะนำ" (Most popular products / Recommended). It shows a grid of five product cards for "FUVAL (Silver)..." with the following details:

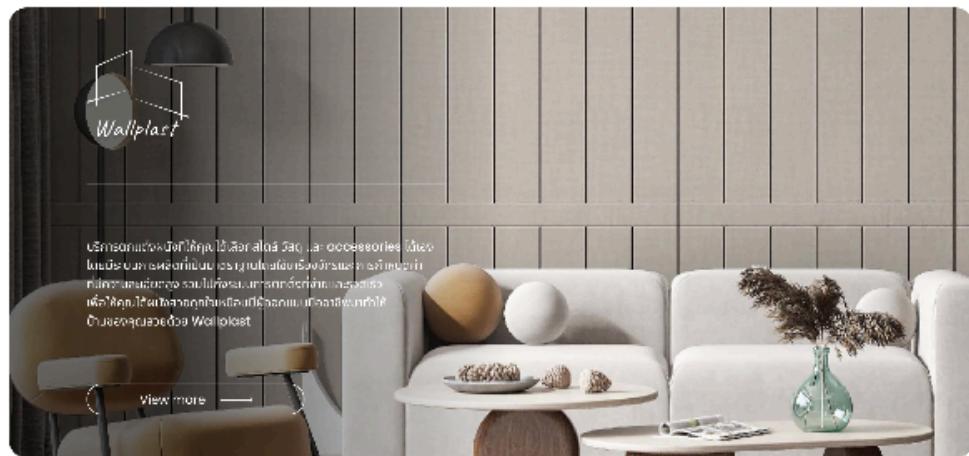
Product Name	Code	Size	Price	Action
FUVAL (Silver)...	02040240778	W60 x H100 x D1.5 cm	\$550 70x100	Details
FUVAL (Silver)...	02040234078	W60 x H100 x D1.5 cm	\$550 70x100	Details
FUVAL (Silver)...	02040234078	W60 x H100 x D1.5 cm	\$550 70x100	Details
FUVAL (Silver)...	02040234078	W60 x H100 x D1.5 cm	\$550 70x100	Details
FUVAL (Silver)...	02040234078	W60 x H100 x D1.5 cm	\$550 70x100	Details

The final section is titled "Xclusive Deal" and shows a grid of five product cards for "FUVAL (Silver)..." with the same details as the previous section.

## Collections

collections >

ห้องน้ำและห้องนอน  
ห้องครัวและห้องน้ำที่ดีที่สุดและล้ำสมัย



ร้านค้าที่ร่วมขายกับเรา



 XSURFACE

ผลิตภัณฑ์ กระเบื้องหิน ห้องน้ำห้องนอนห้องครัวห้องน้ำห้องนอน

บริษัทฯ

สำนักงาน

สำนักงานใหญ่ประเทศไทย

ประเทศไทย

เมืองทองธานี ชั้น 53 และชั้น 52, ถนน  
วิภาวดี, กรุงเทพฯ 10250

สอบถามเพิ่มเติม

ประเทศไทย

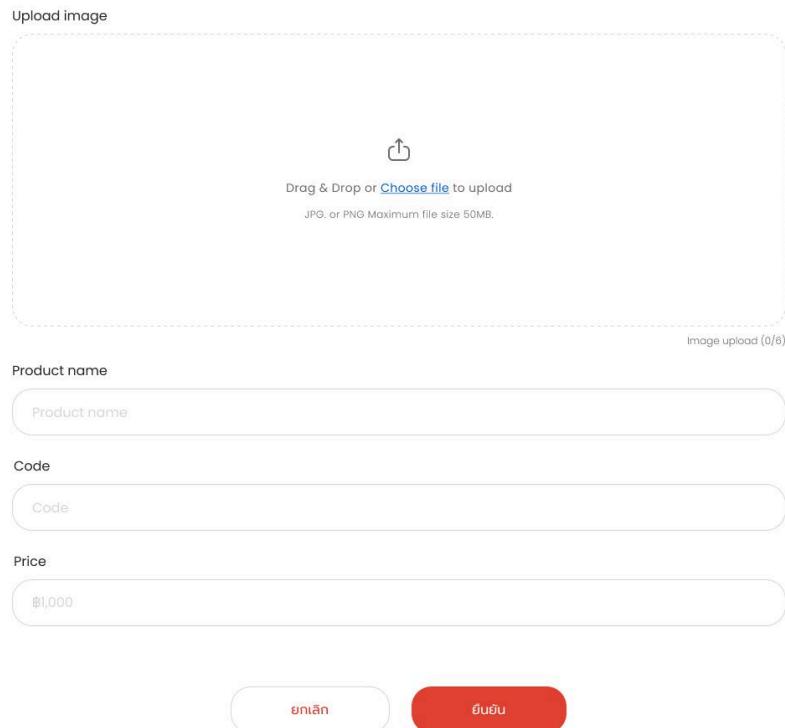
xsurface.support@xsurface.com.tz +66-65-656-2887



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ผลิตภัณฑ์ห้องน้ำ ห้องนอน ห้องครัว

## Upload Product



### 1. Frontend Requirement:

- a. Use ReactJS or NextJS.
- b. Can use any frontend framework and library. (Can use the styled-components would be receiving special consideration.)
- c. For more details, please follow this Figma link:  
landing page:  
<https://www.figma.com/design/VBUrmBGNh0XVwnc32V6r3C/Xsurface-Frontend-Test?node-id=0-1&t=q8qDC1MXa50ekm0U-1>

upload product page:

<https://www.figma.com/file/R7b0xL3CNsrOis4CqtLBId/Upload-Product?type=design&node-id=0%3A1&t=cTfF69GbQ3GLT3u-1>

- d. The search box on the product list page is an optional requirement, but it has extra points ( Search Product by name and code).
- e. An optional requirement: Create a product Detail page without design from UXUI (freestyle add-ons function).
2. Design a schema database for the application by yourself and explain it in an interview.
3. Create an API and connect it to the Frontend.

Pt.3 Basic Deploy

Push code from Pt.2 to your git with a read-me file, and deploy your app with any hosting providers.

Pt.4 List name and level of expertise about any third-party, library that you used to use such as context API, styled component, NextJS, GA, SEO lib, middleware lib, pdf lib, hosting file in s3, elastic search .etc (For Developer's interview)

If you have any questions, please contact me at E-mail:  
[developer@xsurface.com](mailto:developer@xsurface.com). (Can use Thai to contact.)