



The HKEX Digital Design System

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UX UI Designer HKEX

10, September, 2020

HKEX
香港交易所

Purpose of the meeting

- Aware of the existence of the system
- Contribute to the system



Customer Facing Systems

CCASS Files Authorization

Maintain Firm

Maintain Participant

Maintain Collateral Account

Mtn Tran A/C to Collateral A/C Mapping

Maintain Static Data Master

Maintain Collateral Master

Maintain Sec. Type Master

Maintain Global Parameters

Maintain Eligible Instrument Group

Maintain Haircut Group Rate

Maintain Clearing House

Payment Info

Maintain Calendar

Maintain Function Time

Mtn Cash Collateral Deposit Order

Mtn Non-Cash Collateral Deposit Order

Mtn Cash Collateral Withdrawal Order

Mtn Non-Cash Collateral Withdrawal Order

Enquire Deposit/Withdrawal Order

Mtn CCASS To CCMS

Mtn C-Stock Transfer

Transfer

Request Collateral Revaluation

Confirm for Posting/Collateralisation

Enquire Posting/Collateralisation

Status

Maintain CCASS-To-CCMS Stock Transfer

Site Map

Broadcast Message

Report Download

Announcement Information

Change Password

Print

Logout

DD000901

KMJA 04

25-May-07 10:13

Add CCASS-To-CCMS Stock Transfer Execution

Transfer ID :

10965

CCASS Participant ID :

B01089

ISIN or Stock Code :

BMG777-WV1010 / 192

CCASS Stock Collateral Control Account :

20

CCASS Stock Collateral Control Account Quantity :

1,000

CCASS Source Stock Account :

1

CCASS Source Stock Account Quantity :

1,000

Firm ID :

BF01089

Participant ID :

B01089

Account Type :

HOUSE

Account Number :

0001

Transfer Quantity :

1,000

Remark :

TUG

Add Another Record

Help

-2003 RECORD ADDED SUCCESSFULLY

https://www.internal.R2.com/NASApp/hkex/BPStockLedgerAdd?actionID=0&conv=BPStockLedgerAdd&template=BPStockLedgerAdd&execute&CLE

Internet

CCASS

HKE X

香港交易所

Welcome, UB@ .com

22-Nov-2019

Last Login: 22-Nov-2019 11:24 HKT

15°

Home /

SAVE

PREVIEW

AC 5 STOCK ACCOUNT MAPPING MAINTENANCE TO HKSCC FOR THE USE OF SHANGHAI AND SHENZHEN STOCK CONNECT

Note: This eService is applicable to General Clearing Participant of HKSCC only. Submission by other types of participant would be rejected.

Reference Number:

Status: X Expand

COMPANY INFORMATION (GENERAL CLEARING PARTICIPANT)

MAINTENANCE REQUEST

ACKNOWLEDGMENT (GENERAL CLEARING PARTICIPANT)

CONTACT INFORMATION (GENERAL CLEARING PARTICIPANT)

Client Connect

HKE X

香港交易所

e-Submission System

The Stock Exchange of Hong Kong Limited

(A wholly-owned subsidiary of Hong Kong Exchanges and Clearing Limited)

14/05/2019 12:23

User ID

User Password

One-Time Passcode (OTP)

Enter the Passcode from your token

Login

Login with SMS Password

Forgot User ID

Forgot User Password

Registration

Font Size

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e-Submission System

Disclosure of Interests Online System

Font Size

LISTED COMPANY PUBLICATIONS

SHAREHOLDING DISCLOSURES

NEW LISTINGS

EXCHANGE REPORTS

HKEXnews

Regulatory Filings and Disclosures of Listed Issuer Information

LISTED COMPANY INFORMATION

CCASS SHAREHOLDING

DISCLOSURE OF INTERESTS

SEARCH GUIDE

TITLE SEARCH

CONTENT SEARCH

Disclaimer

CURRENT SECURITIES

DELISTED SECURITIES

Stock Code/Stock Name

Headline Category and Document Type

From

To

News Title

Clear All

Search

List of Stock Codes >

LATEST LISTED COMPANY INFORMATION

Refresh

EXCHANGE REPORTS

LATEST SUBMISSIONS

LATEST SUBMISSIONS

PROLONGED SUSPENSION STATUS REPORT

Main Board

GEM

HKEX news



Introduction

The Design System is essentially a centralized, standardized, and reusable collection of user interface components (buttons, inputs etc.) visual styles, usage guidelines, and code that is all aligned.

The system should be followed when building a business applications, so that our users can have a consistent experience when using our products.



Material Design

Material Design is a design system by Google to help teams build high-quality digital experience for Android, iOS, Flutter and the web.



UI Inventory



HKEX Themed Web Components

INSTRUCTIONS

COLOR SCHEME

Endo-theme-primary: #18416c;
Endo-theme-on-primary: #ffffff;
Endo-theme-secondary: #f4364c;
Endo-theme-on-secondary: #ffffff;
Endo-theme-error: #d00028;
Endo-theme-on-error: #ffffff;
Endo-theme-surface: #ffffff;
Endo-theme-on-surface: #18416c;
Endo-theme-background: #d1d6e6;

SHAPE SYSTEM

Endo-shape-small-component-radius: 4px;
Endo-shape-medium-component-radius: 4px;
Endo-shape-large-component-radius: 8px;

TYPOGRAPHY SCALE

Endo-typography--font-family: Roboto, sans-serif;
[SEE ON GOOGLE FONTS](#)

Endo-typography--headline1 H1
Endo-typography--headline2 H2
Endo-typography--headline3 H3
Endo-typography--headline4 H4
Endo-typography--headline5 H5
Endo-typography--headline6 H6
Endo-typography--subtitle1 Subtitle 1
Endo-typography--subtitle2 Subtitle 2
Endo-typography--body1 Body 1
Endo-typography--body2 Body 2
Endo-typography--button BUTTON
Endo-typography--caption Caption
Endo-typography--overline OVERLINE

BUTTON

BUTTON BUTTON BUTTON

TOP APP BAR

Headline 6

DRAWER

Headline 6
Body 2
Body 2
Body 2
Body 2
Body 2

SHORT APP BAR

Body 222
Body 2
Body 2
Body 2

LINEAR PROGRESS

SWITCH
CHECKBOX

RADIO BUTTON

ICON BUTTON

CHIPS

Body 2 Body 2 Body 2
Body 2 ✓ Body 2 ✓ Body 2

SELECT

Label Label



LIST

Subtitle 1
Body 2
Subtitle 1
Body 2
Subtitle 1
Body 2

DATA TABLE

	Dessert	Carbs (g)	Protein (g)
<input type="checkbox"/>	Froyo	24	4.0
<input checked="" type="checkbox"/>	Eclair	37	4.3

FAB

BUTTON  

CARD

OVERLINE
Headline 6
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.
BUTTON BUTTON

TEXT FIELD

Label
Assistive text
Label
Input text
Assistive text

TABS

BUTTON BOUNT BOUNT

SLIDER

SNACKBAR

Marked as favorite.

DIALOG

Headline 6
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.
BUTTON BUTTON

IMAGE LIST

OUTLINED BUTTON PLUS ICON

CREATE A NEW THEME



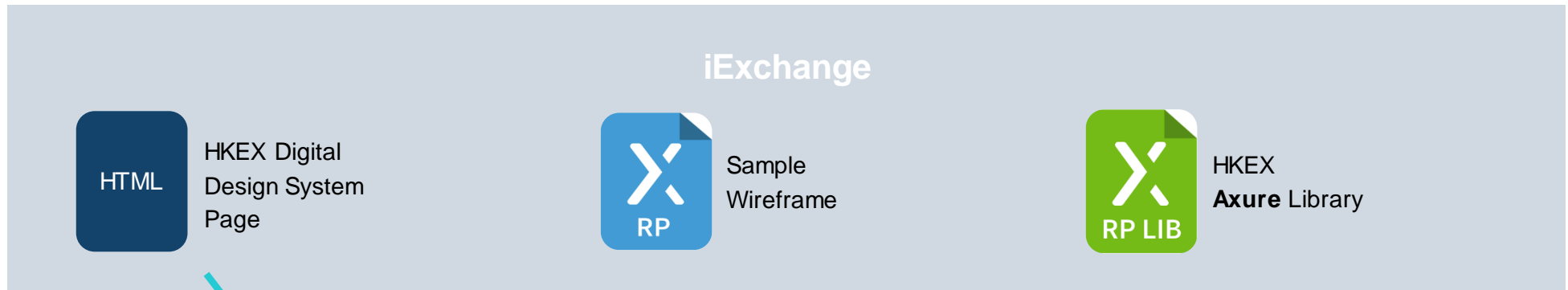
Demo the web components



Artifacts



Whats in each file?



Dashboard / HKEX-FINI

Edit Save for later Watching Share ...

Design Framework

Created by William Ng, last modified on Jul 21, 2020

What is the Design Framework

The Design Framework is compose of a Design System and Design Process, which aims to facilitate the design and development of digital products for the organisation.

What is the Design System

The Design System is essentially a centralized, standardized, and reusable collection of user interface components (buttons, inputs, menbacus, etc.) visual styles, usage guidelines, and code at is all aligned. The system should be followed when building a business applications, so that our users can have a consistent experience when using our products.

From technical perspectives, using the Design System will speed up the development process by reusing components. Communications between design and development teams will be steamlined by using the same terminologies.

[Material Design \(https://material.io/\)](https://material.io/) is selected among various publicly available Design Systems for its popularity, it is used by many Google products, and hence the users of those application would found the design familiar, making the app easier to learn. Also, having the support from a big corporation means better for continuity.

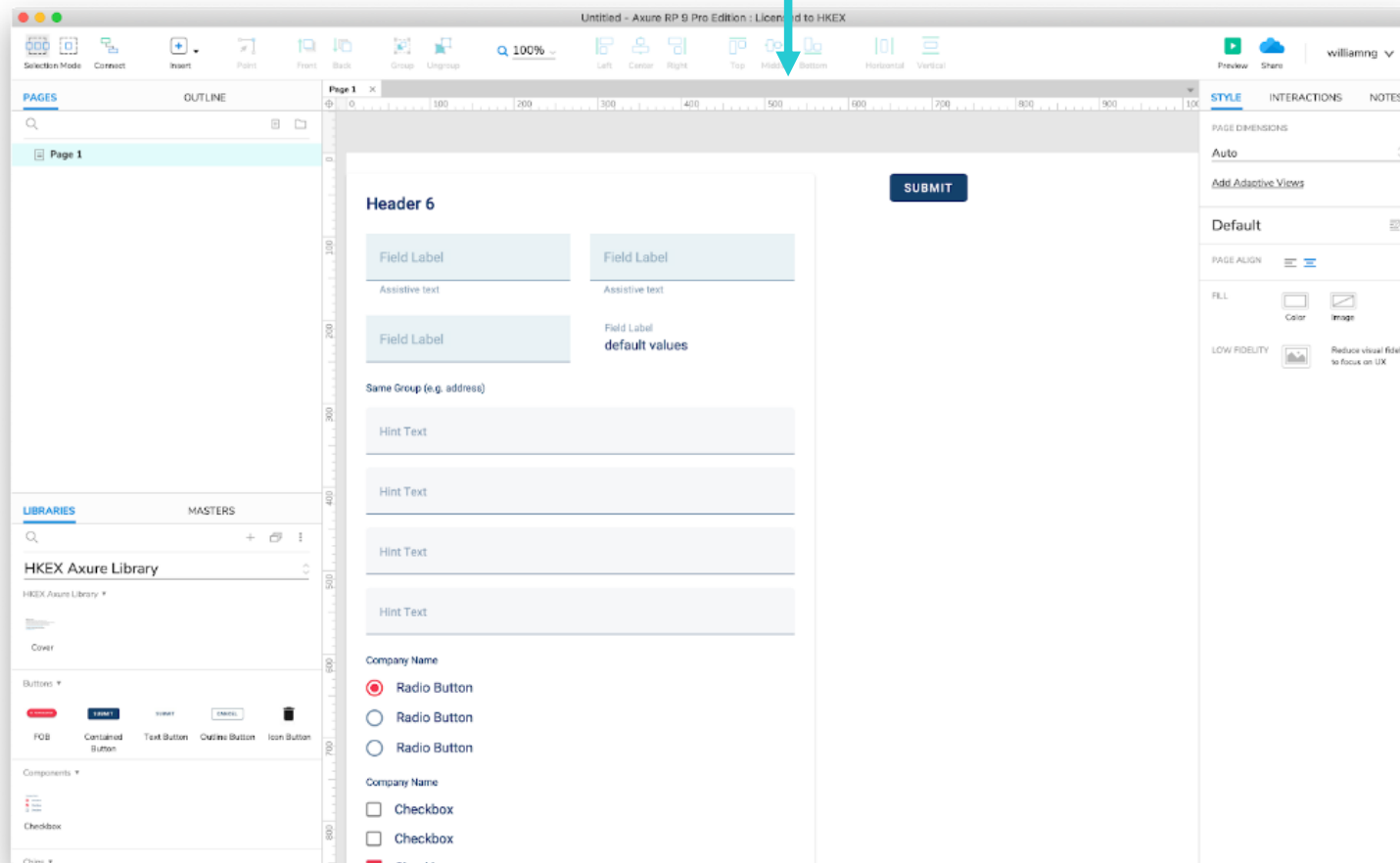
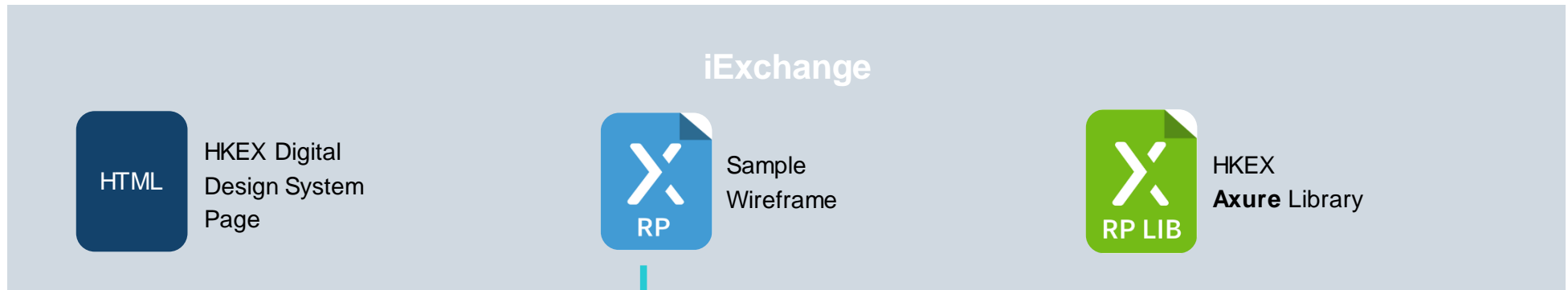
Design Principles

"Efficiency"

One pager about the HKEX Digital Design System, with instructions and links.



Whats in each file?

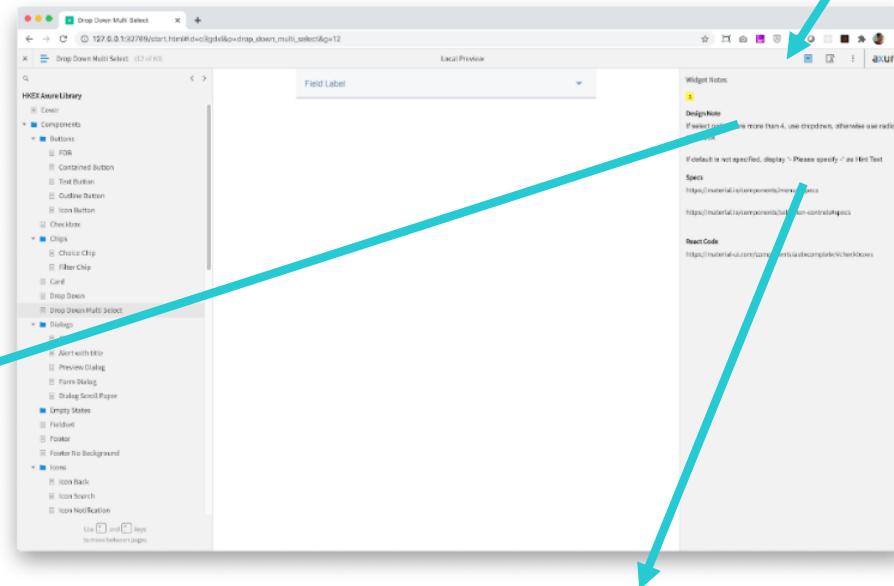
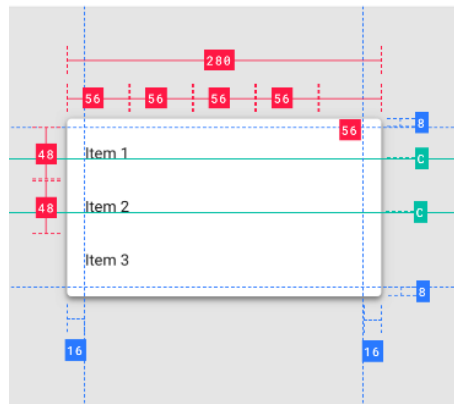
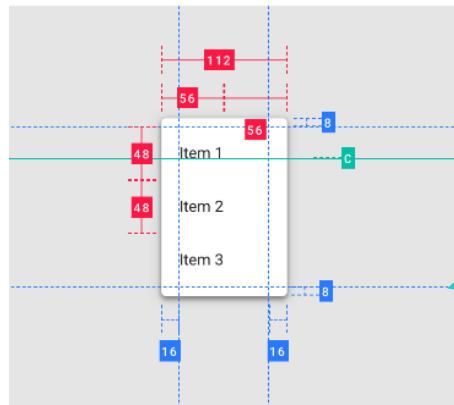
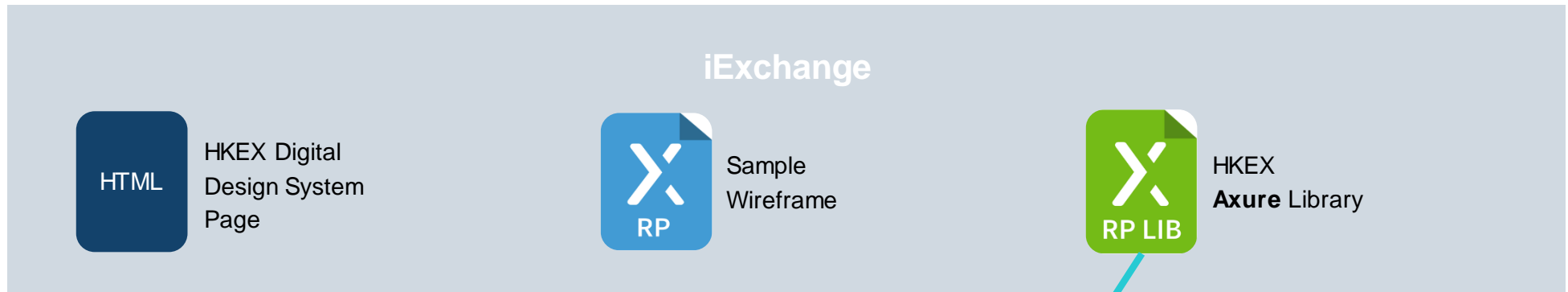


Sample wireframe.

With page structure,
sample cover page,
templates..



Whats in each file?



Component Library

With links to corresponding visual specification and code.

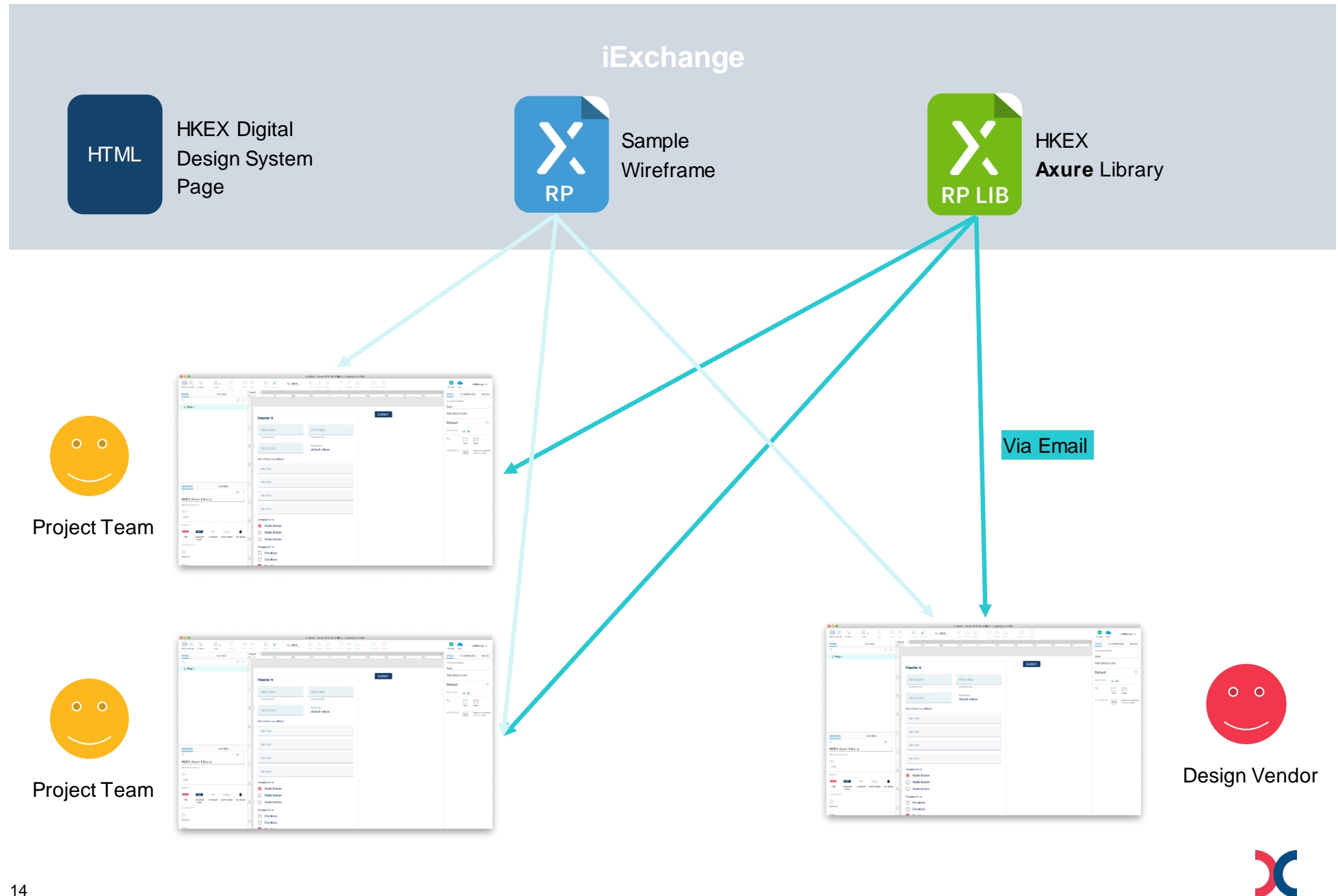
```
<Autocomplete
multiple
limitTags={2}
id="multiple-limit-tags"
options={top100Films}
getOptionLabel={(option) => option.title}
defaultValue={[top100Films[13], top100Films[12], top100Films[11]]}
renderInput={(params) => (
  <TextField {...params} variant="outlined" label="limitTags" placeholder="Favorites" />
)}
/>
```



Work Flow



Use as the base for multiple projects



Create wireframes with the Axure Library

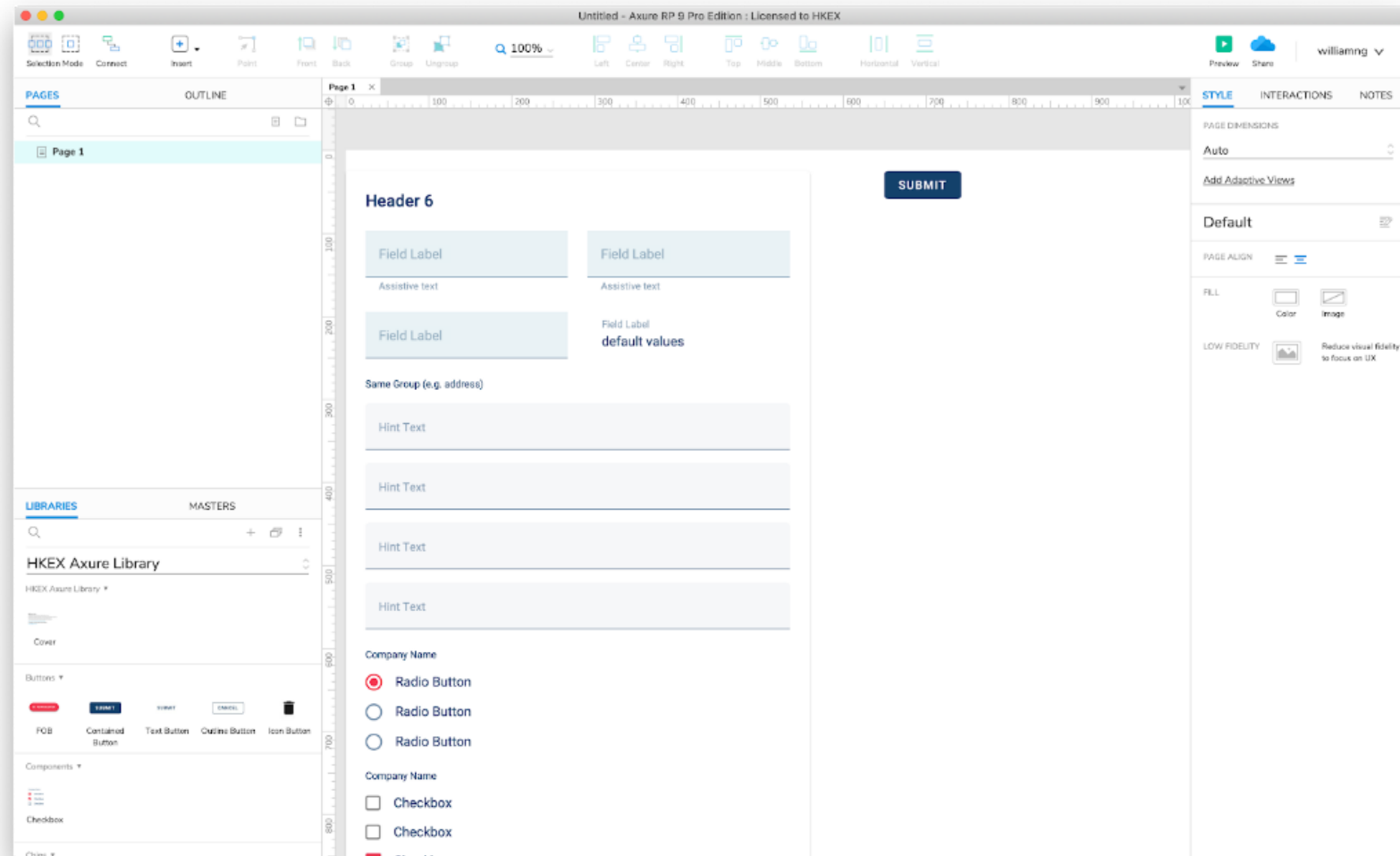


Project Team

or



Design Vendor



Axure RP software to be installed on local machine



Publish to AxShare (Axure's Cloud for wireframe sharing)

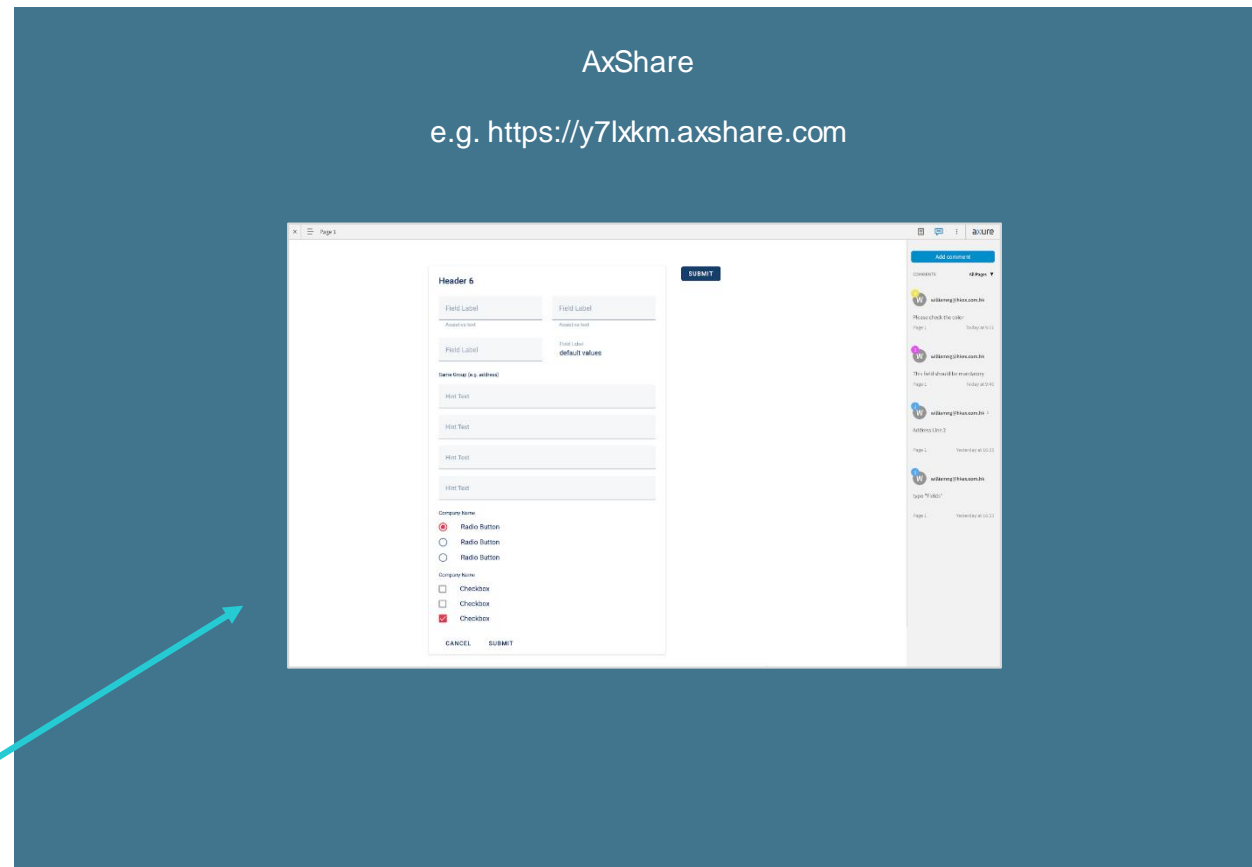


or



Wireframe

Publish



Collaborate and revise



Project Team



Design Vendor



Business User



Other Stakeholders

AxShare
e.g. <https://y7lxkm.axshare.com>



Produce Hi Fi Mockups

The diagram illustrates the progression of a user interface design for an IPO Initialization form. A large blue arrow points from a wireframe on the left to a high-fidelity mockup on the right.

Wireframe (Left):

- App Identity** (Header)
- Global Search (with predictive text)** (Header)
- Notification** (Header)
- User's Identity** (Header)
- IPO Initialization** (Form Title)
- Company Name** (Text Input)
- Case Number** (Text Input)
- IPO Vetting Team** (Dropdown Menu)
- SFC (Corporate Finance Division) Team** (Dropdown Menu)
- CANCEL** (Text Link)
- SUBMIT** (Button)

High-Fidelity Mockup (Right):

- Application Name** (Header)
- IPO Initialization** (Form Title)
- Company Name** (Text Input)
- Case Number** (Text Input)
- Please follow the format: 12345678-112345-1234** (Text Label)
- IPO Vetting Team** (Dropdown Menu)
- SFC (Corporate Finance Division) Team** (Dropdown Menu)
- CANCEL** (Text Link)
- SUBMIT** (Button)




Demo the use of the library for Vendor Designers and Developers






Mockup Showcase




Cards



Application Name




Michelle Lo
Investibankers


☒ Public Offer
☒ Pricing Completed
☒ Trading




WaySide
Pending
3371
Book Open Date
Price Range




Automobus
Pending
1481
Book Open Date
Price Range




Silico
Active (Book Open)
3646
Book Close Date
Price Range




InvestAI
Active (Book Open)
2664
Book Close Date
Price Range




BIOTEXA
Active (Book Open)
3758
Book Close Date
Price Range




Vacatish
Active (Pricing)
2478
Pricing Date
Price Range




Hephaestus Finance
Active (Pricing)
3684
Pricing Date
Price Range




XENERGY
Active (Placing)
1724
Expected Listing Date
Final Price




NVCi
Trading
3449
Trading
Final Price




BBProperty
Trading
2491
Trading
Final Price



Rows per page: 10
1-10 of 100


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List

InvestAI
 Active (Book Open)
2664
 Book Close Date 2020-12-05
 Price Range 5.3 - 5.5

NOTIFICATIONS

IPO REFERENCE DATA


EIPO APPLICATION LIST

✓	EIPO Applications Peter Chan (New Future Securities) has authorised 1,835 EIPO Applications for 2664 Invest Artificial Intelligence Incorporated.	Peter Chan	2020-12-03 17:24
↗	EIPO Applications David Lee (New Future Securities) has submitted 1 EIPO Application for 2664 Invest Artificial Intelligence Incorporated for authorisation.	David Lee	2020-12-03 17:24
↶	EIPO Applications Peter Chan (New Future Securities) has reverted back 2 EIPO Applications for 2664 Invest Artificial Intelligence Incorporated for amendment.	Peter Chan	2020-12-03 17:24
↗	EIPO Applications David Lee (New Future Securities) has submitted 1,834 EIPO Applications for 2664 Invest Artificial Intelligence Incorporated for authorisation.	David Lee	2020-12-03 17:24
✓	EIPO Applications Peter Chan (New Future Securities) has authorised 1,835 EIPO Applications for 2664 Invest Artificial Intelligence Incorporated.	Peter Chan	2020-12-03 17:24
↗	EIPO Applications David Lee (New Future Securities) has submitted 1 EIPO Application for 2664 Invest Artificial Intelligence Incorporated for authorisation.	David Lee	2020-12-03 17:24
↶	EIPO Applications Peter Chan (New Future Securities) has reverted back 2 EIPO Applications for 2664 Invest Artificial Intelligence Incorporated for amendment.	Peter Chan	2020-12-03 17:24
⌈	IPO Initiation The public offer of 2664 Invest Artificial Intelligence Incorporate has opened for EIPO Applications.	FINI	2020-11-30 09:00

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Data Table and Tabs



Xenergy

XENERGY

Active (Placing)

1724

Expected Listing Date

Final Price

2020-12-04

14.0

NOTIFICATIONS

IPO REFERENCE DATA

PLACEE LIST

TEMPORARY

PENDING

AUTHORISED

English Name

Individual

Corporate

Valid

Duplicate

<input type="checkbox"/>	No.	Type	Placee ID	Name	No. of Shares Placed	Checker	Status
<input type="checkbox"/>	1	Individual	Z888936(1)	Eric Shen	40,000	DonaldLee1	Valid
<input type="checkbox"/>	2	Individual	N742351(8)	Jonathan Zeng	50,000	DonaldLee1	Valid
<input type="checkbox"/>	3	Individual	W163934(7)	Alexander Ball	70,000	DonaldLee1	Valid
<input type="checkbox"/>	4	Individual	H723434(4)	David Tang	50,000	DonaldLee1	Valid
<input type="checkbox"/>	5	Individual	H831536(6)	Joseph Bennet	300,000	DonaldLee1	Valid
<input type="checkbox"/>	6	Individual	E468532(1)	Nancy Lee	100,000	DonaldLee1	Valid
<input type="checkbox"/>	7	Individual	X533632(4)	Anna Thompson	150,000	DonaldLee1	Valid
<input type="checkbox"/>	8	Individual	Y781836(3)	Samuel Xiao	200,000	DonaldLee1	Valid
<input type="checkbox"/>	9	Corporate	22265418-497-39-82-A	New Securities Fund IV	1,000,000	DonaldLee1	Valid
<input type="checkbox"/>	10	Corporate	14153011-306-68-58-S	High Growth Capital Fund II	2,000,000	DonaldLee1	Valid

Rows per page: 10

1-10 of 100

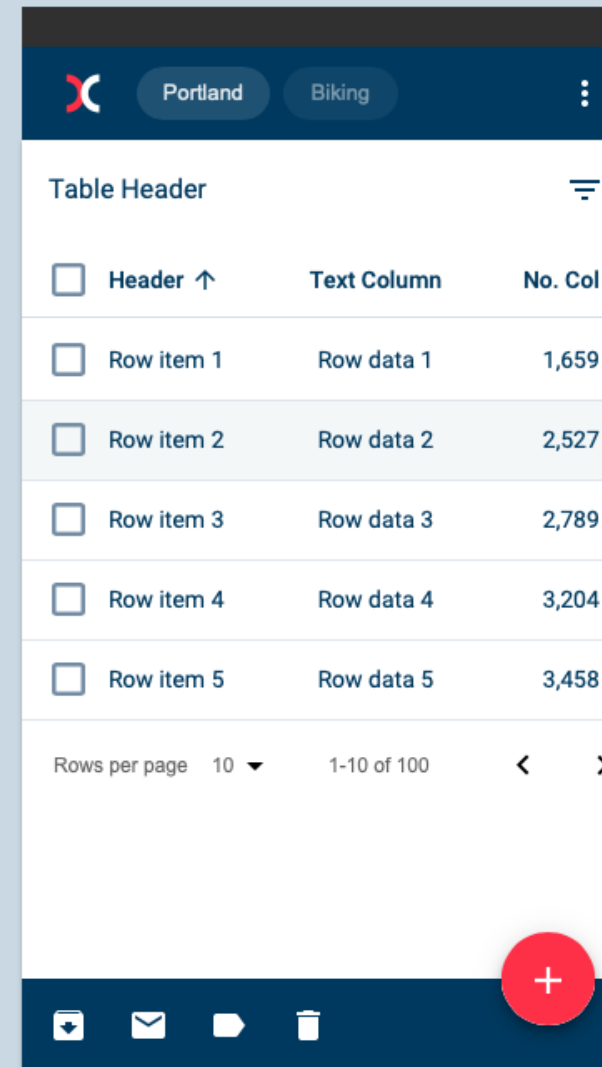
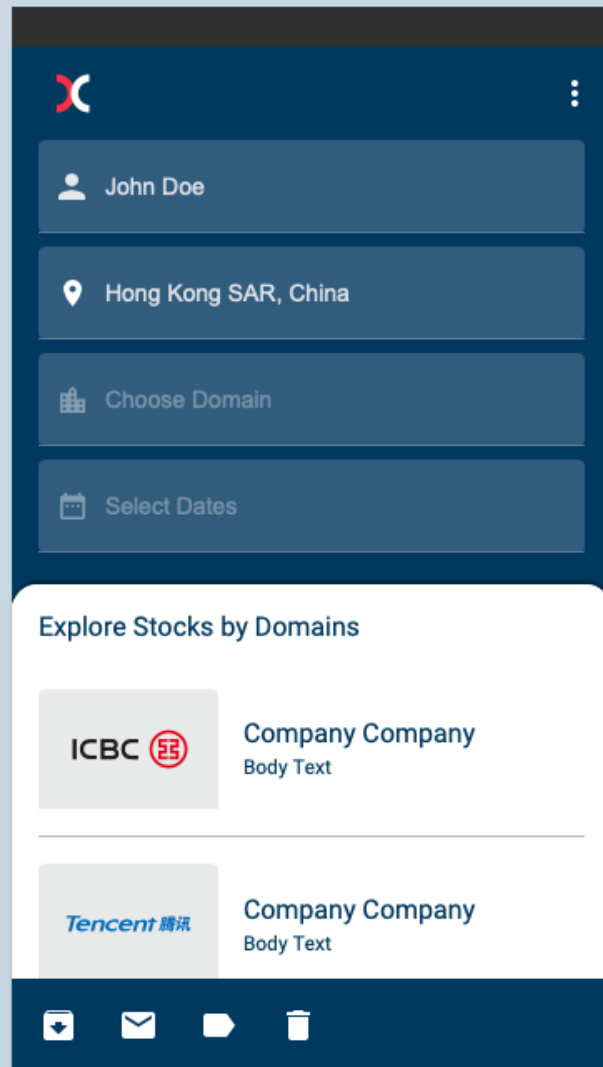
<

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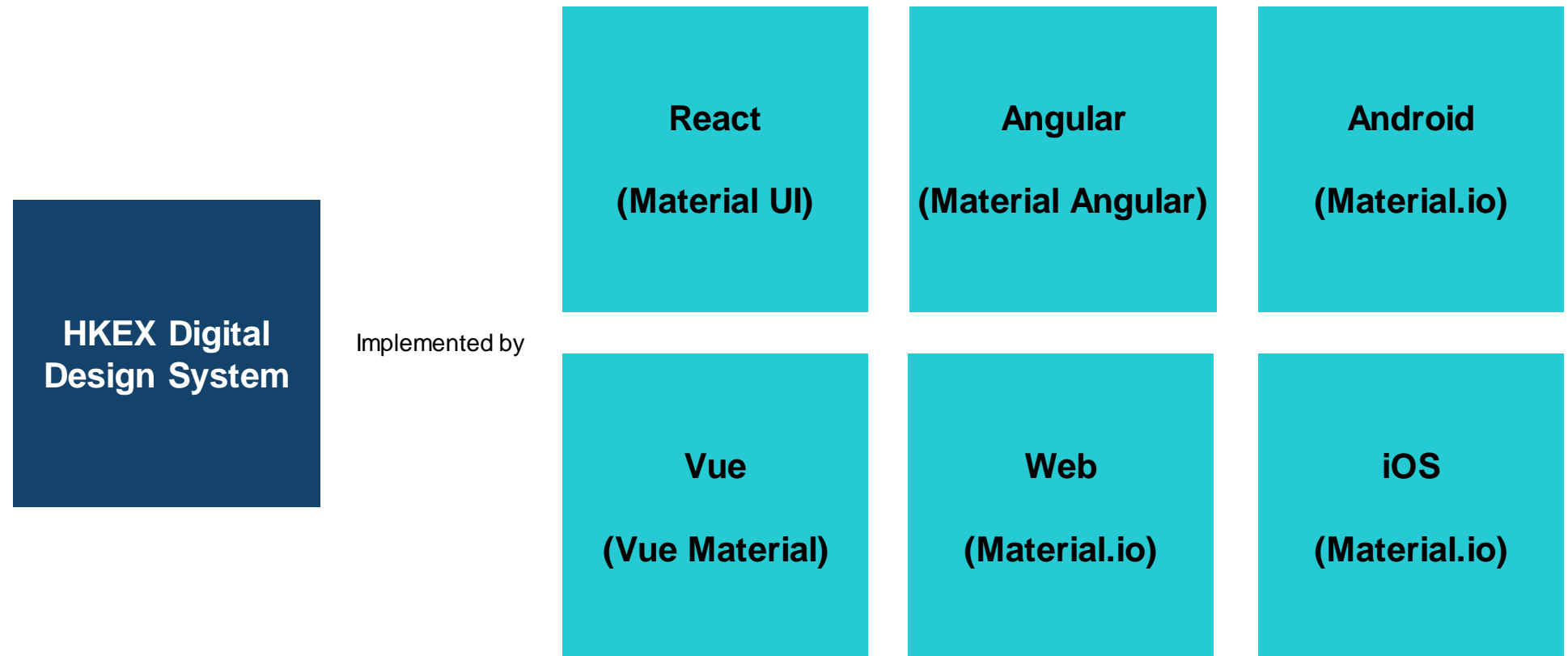
Mobile



Compatibility



Frontend Development Frameworks



Other Design Systems



Ant Design



Blue Print

...etc

HKEX Digital Design System

