



COMEDU
ForeLearner

박천욱 박준호 안형근



COMEDU

“**컴교에선 배움에 대한 강준이 채워지지 않아...!**
ForeLearner





COMEDU

ForeLearner

컴교인을 위한 학습 웹사이트





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김교언을 위한 학습 웹사이트



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ForeLearner를 위한 학습 웹사이트

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Comedu ForeLearner

Learn with the pro, *Team Dan Myeong*

메인 Member index About 더보기



Comedu ForeLearner

Contact

필요성

—

“

이 사이트는
왜 필요해?

”

IT의 빠른 발전

간극쓰

수업의 다양성



1. Beginner New ICT Course

핵심기능

—

“

이 사이트에선
뭘 할 수 있어?

”

*Outer
Course*

외부강의로 연결

*Inner
Course*

회원들이 직접 올리는 강의

카테고리별

OpenCV 딥러닝
보안 클라우드
프로그래밍 언어
알고리즘 스터디

난이도별

beginner
intermediate
advanced



2. Collect Project Member

핵심기능

“

등록하기

이 사이트에선
뭘 할 수 있어?

”

나는 이런 사람이고
이런이런걸 할 수 있다!

자기소개

이름 _____ 관심분야 _____

전화번호 _____ 선택분야 본인 실력

시작 가능 날짜 _____ Pick a size _____

자유롭게 내용을 입력하세요.

Link to your Resume(Git or any urls)

제출

2. Collect Project Member

핵심기능



이 사이트에선
뭘 할 수 있어?

〃

찾아보기

등록한 회원들을
실력별, 분야별 조회

〃

동료 구합니다

What's the best flavor?



What's the best flavor?



이름

시작 날짜

관심분야

3. Communication

핵심기능

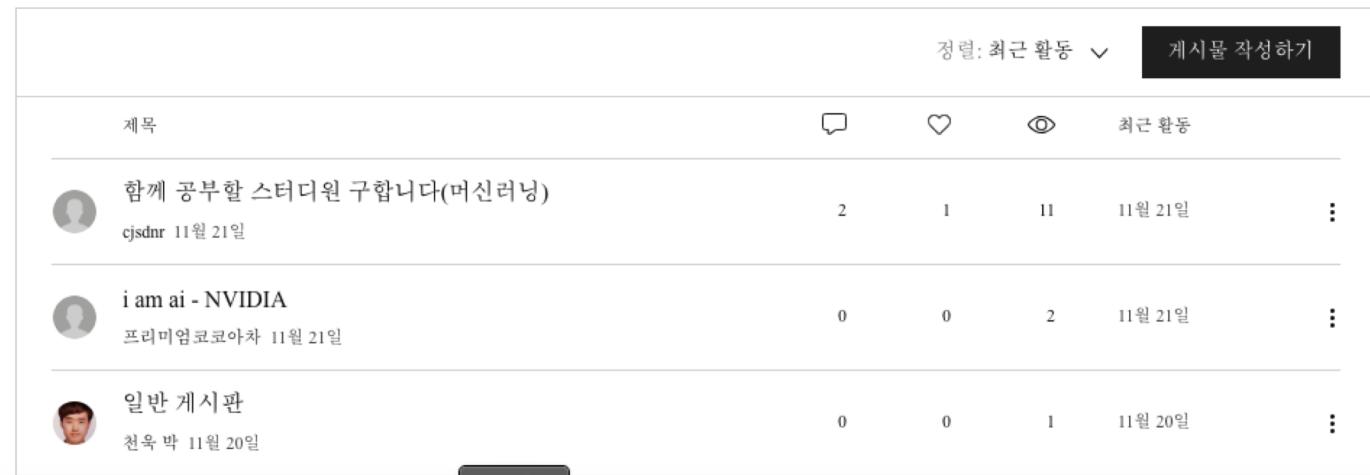
“

i) 사이트에선
뭘 할 수 있어?

〃

어떤 이야기도 좋습니다.

이야기, 아이디어, 사진 등을 공유할 수 있습니다.



정렬: 최근 활동 ▾ 게시물 작성하기

제목	댓글	좋아요	관심	최근 활동
함께 공부할 스터디원 구합니다(머신러닝) cjsdnr 11월 21일	2	1	11	11월 21일
i am ai - NVIDIA 프리미엄코코아차 11월 21일	0	0	2	11월 21일
일반 게시판 천육 박 11월 20일	0	0	1	11월 20일

스크린샷



차별성

“
이 사이트는
뭐가 달라?”

”

동영상 강의X

ex) 생활코딩

검증된 팀원 모집

ex) 같은 관심분야는 덤❤



차별성

“
이 사이트는
뭐가 달라?”

”

동영상 강의X

ex) 생활코딩

검증된 팀원 모집

ex) 같은 관심분야는 덤❤



링크

<https://cheonuk.wix.com/danmyeong>



DB

API

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꺼놔라!*

”

wix-data > Hooks > beforeInsert()

beforeInsert()

A hook that is triggered before an `insert()` operation.

Description

The `beforeInsert()` hook runs when:

- The `insert()` function is called.
- An action is performed on a dataset that inserts a new item into the collection.
- An item is inserted using the Content Manager.
- An item is imported into the collection. (Sandbox only.)

The hook also runs when an action is performed on a dataset that inserts a new item into the collection that the dataset is connected to.

Return an object or a Promise that resolves to an object from the `beforeInsert()` function. The returned object will be inserted into the collection instead of the original item passed to the `insert()` function.

If the returned value is of the wrong type, the value is ignored.

A rejected Promise blocks the call to `insert()` and also calls the `onFailure()` hook if it has been registered.

Because the `beforeInsert()` hook is called before `insert()` is executed, it can affect the item that is inserted into the collection or block the `insert()`.

Syntax

```
function beforeInsert(item: Object, context: HookContext): Promise<Object>
```

PARAMETERS

item `Object`
The original item to be inserted.

Examples

A hook before an insert

```
// In data.js

export function myCollection_beforeInsert(item, context) {
  let hookContext = context; // see below

  // some change to the received item

  return item;
}

/*
 * hookContext:
 *
 */
{
  "collectionName": "myCollection",
  "userId": "f45jf8d2-grkj-2opd-4ovk-9rfj4wo5tvj3",
  "userRole": "siteOwner"
}
```

Change the item to insert

```
// In data.js

export function myCollection_beforeInsert(item, context) {
  let hookContext = context; // see below

  // some change to the received item
  item.title = toUpperFirst(item.title);
  item.first_name = toUpperFirst(item.first_name);
  item.last_name = toUpperFirst(item.last_name);

  return item;
}
```



DB

API

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WixCodeAPI

Articles
Forum
Cheat Sheet
APIs
① \$w
① npm-modules
① wix-crm
① wix-crm-backend
② wix-data
aggregate()
bulkInsert()
bulkSave()
bulkUpdate()
filter()
get()
insert()
insertReference()
isReferenced()
query()
queryReferenced()
remove()
removeReference()
replaceReferences()
save()
sort()
update()
WixDataBulkResults
WixDataOptions
WixDataQueryReferencedOptions
③ Hooks
afterCount()
afterGet()
afterInsert()

wix-data > insertReference()

insertReference()

Inserts a reference in the specified property.

Description

The `insertReference()` function returns a Promise that resolves when a reference to the referenced item(s) is added to the referring item in the specified property. The Promise is rejected if the current user does not have update permissions for the collection.

Calling the `insertReference()` function does not trigger any hooks.

Syntax

```
function insertReference(collectionName: string, propertyName: string, referringItem: Object | string, referencedItem: Object | string | Array<Object> | Array<string>, [options: WixDataOptions]): Promise<void>
```

PARAMETERS

- collectionName** `string`
The name of the collection that contains the referring item.
- propertyName** `string`
The property to insert the reference into.
- referringItem** `Object | string`
The referring item or referring item's ID.
- referencedItem** `Object | string | Array<Object> | Array<string>`
The referenced item, referenced item's ID, an array of referenced items, or an array of referenced item IDs.
- options** `WixDataOptions`

Examples

Insert a reference

This example inserts a reference to the item with ID 12345 in the `actors` field of the item in the `movies` collection with the ID 00001.

```
import wixData from 'wix-data';
// ...
wixData.insertReference("movies", "actors", "00001", "12345")
  .then( () => {
    console.log("Reference inserted");
  })
  .catch( (error) => {
    console.log(error);
  });

```

Insert references using an array

This example inserts a reference to the items with IDs 12345 and 67890 in the `actors` field of the item in the `movies` collection with the ID 00001.

```
import wixData from 'wix-data';
// ...
wixData.insertReference("movies", "actors", "00001", ["12345", "67890"])
  .then( () => {
    console.log("Reference inserted");
  })
  .catch( (error) => {
    console.log(error);
  });

```



DB

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The screenshot shows a browser window displaying the Wix Code API documentation for the `wix-dataset` module. The page title is "WixCodeAPI" and the specific topic is "wix-dataset > Dataset > setCurrentItemIndex()".

setCurrentItemIndex()
Sets the current item by index.

Description
The `setCurrentItemIndex()` function returns a Promise that is resolved when:

- The current item has been saved in the collection (if necessary).
- The current item has been updated to be the item with the given index.
- Any connected page elements have been updated with the new current item's values.

Calling `setCurrentItemIndex()` on a write-only dataset causes the Promise to reject.

Note
A dataset needs to load its data before you call its `setCurrentItemIndex()` function. Usually a dataset finishes loading a short time after the page it is on finishes loading. So if you call `setCurrentItemIndex()` inside the page's `onReady()` event handler, the dataset might not be ready yet.

To call `setCurrentItemIndex()` as soon as possible after a page loads, use the dataset's `onReady()` function inside the page's `onReady()` event handler to ensure that both the page and the dataset have finished loading.

`setCurrentItemIndex()` saves the current item even if the requested item is same as the current item.

See Also
[getCurrentItemIndex\(\)](#), [getCurrentItem\(\)](#)

Syntax
`function setCurrentItemIndex(index: number): Promise<void>`

PARAMETERS

Search API Library

Examples

Set the dataset's current item

```
$w("#myDataset").setCurrentItemIndex(3);
```

Set the dataset's current item when the page loads

```
$w.onReady( () => {
  $w("#myDataset").onReady( () => {
    $w("#myDataset").setCurrentItemIndex(3)
      .then( () => {
        console.log("Done setting current item");
      });
  });
});
```



API

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The screenshot shows the WixCodeAPI documentation for the `wix-data.filter()` function. The left sidebar lists various Wix APIs, and the main content area is focused on the `filter()` method. The description notes that it creates a filter to be used with the dataset `setFilter()` function. The syntax is shown as `function filter(): WixDataFilter`. The return value is a `WixDataFilter` object. Examples demonstrate how to filter a dataset based on lastName starting with "D" and age being "21". Another example shows how to get an item from a collection.

```
import wixData from 'wix-data';

// ...

$w("#myDataset").setFilter( wixData.filter()
  .startsWith("lastName", "D")
  .get("age", "21")
);
```

```
import wixData from 'wix-data';

// ...

wixData.get("myCollection", "00001")
  .then( results ) => {
    let item = results; //see item below
  }
  .catch( err ) => {
    let errorMsg = err;
  }
};
```

Filter() – 검색 및 decrease&conquer의 핵심!



API

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WiXCodeAPI

- ⌚ wix-storage
- ⌚ wix-stores
- ⌚ wix-stores-backend
- ⌚ wix-users
 - currentUser
 - applySessionToken()
 - emailUser()
 - login()
 - logout()
 - onLogin()
 - promptForgotPassword()
 - promptLogin()
 - register()
 - LoginOptions
 - RegistrationOptions
 - RegistrationResult
 - TriggeredEmailOptions
 - ⌚ User
 - id**
 - loggedin
 - role
 - getEmail()
 - getPricingPlans()
 - getRoles()
 - PricingPlan

wix-users > User > id

id

Gets the user's ID.

Description

The unique ID of the user.

Note

The APIs in `wix-users` are only partially functional when previewing your site. View a published version of your site to see their complete functionality.

The APIs in `wix-users` can only be used once the page has loaded. Therefore, you must use them in code that is contained in or is called from the `onReady()` event handler or any element event handler.

Syntax

```
get id(): string
```

TYPE

Examples

Get the user's ID

```
let userId = user.id; // "r5gduicme-6fem-485j-djre-4843h4kj349"
```

Copy Code

Get the current user's information

```
import wixUsers from 'wix-users';
// ...
let user = wixUsers.currentUser;
let userId = user.id; // "r5cme-6fem-485j-djre-4844c49"
let isLoggedIn = user.loggedin; // true
user.getEmail()
  .then( email ) => {
    let userEmail = email; // "user@something.com"
  } );
user.getRoles()
  .then( roles ) => {
    let firstRole = roles[0];
  }
```

Copy Code

Id() -작업중인 사용자의 아이디를 데이터베이스로부터 자바스크립트 코드로 받아옴



API

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WiXCodeAPI

- onReady()
- Anchor
- Background
- Box
 - children
 - collapsed
 - global
 - hidden
 - id
 - isVisible
 - parent
 - rendered
 - style
 - type
 - collapse()**
 - expand()
 - hide()
 - onClick()
 - onDoubleClick()
 - onMouseIn()
 - onMouseOut()
 - onViewportEnter()
 - onViewportLeave()
 - scrollTo()
 - show()

\$w > Box > collapse()

collapse()

Collapses the element and sets its `collapsed` property to `true`.

Description

The `collapse()` function returns a Promise that is resolved when the element's `collapsed` property has been set to `true`.

To learn about the behavior of a collapsed element, see the [collapsed](#) property.

You can also collapse an element when the page loads by using the Properties panel in the Editor.

See Also

[expand\(\)](#), [collapsed](#), [hide\(\)](#)

Syntax

```
function collapse(): Promise<void>
```

RETURN VALUE

Examples

Collapse an element

```
$w("#myElement").collapse();
```

[Copy Code](#)

Collapse an element and log a message when done

```
$w("#myElement").collapse()
  .then( () => {
    console.log("Done with collapse");
  });

```

[Copy Code](#)

Toggle an element's collapsed state

```
if( $w("#myElement").collapsed ) {
  $w("#myElement").expand();
}
else {
  $w("#myElement").collapse();
}
```

[Copy Code](#)

collapse() - 컨테이너를 사라지게 한다. 사용자의 선택에 따라 화면에 다른게 나옴



API

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//

WixCodeAPI

- ⌚ Anchor
- ⌚ Background
- ⌚ Box
 - children
 - collapsed
 - global
 - hidden
 - id
 - isVisible
 - parent
 - rendered
 - style
 - type
 - collapse()
 - expand()**
 - hide()
 - onClick()
 - onDoubleClick()
 - onMouseIn()
 - onMouseOut()
 - onViewportEnter()
 - onViewportLeave()
 - scrollTo()
 - show()
- ⌚ Button

\$w > Box > expand()

expand()

Expands the element and sets its `collapsed` property to `false`.

Description

The `expand()` function returns a Promise that is resolved when the element's `collapsed` property has been set to `false`.

To learn about the behavior of an expanded element, see the [collapsed](#) property.

See Also

[expand\(\)](#), [collapsed](#), [show\(\)](#)

Syntax

```
function expand(): Promise<void>
```

RETURN VALUE

`Promise<void>` Fulfilled - When the element's `collapsed` property has been set to `false`.

Examples

Expand an element

```
$w("#myElement").expand();
```

[Copy Code](#)

Expand an element and log a message when done

```
$w("#myElement").expand()
  .then( () => {
    console.log("Done with expand");
  });

```

[Copy Code](#)

Toggle an element's collapsed state

```
if( $w("#myElement").collapsed ) {
  $w("#myElement").expand();
}
else {
  $w("#myElement").collapse();
}
```

[Copy Code](#)

expand()-컨테이너를 보이게 한다



API

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WiXCodeAPI

Box

- children
- collapsed
- global
- hidden
- id
- isVisible
- parent
- rendered
- style
- type
- collapse()
- expand()
- hide()
- onClick()
- onDbClick()
- onMouseIn()
- onMouseOut()
- onViewportEnter()
- onViewportLeave()
- scrollTo()
- show()

- Button
- CartIcon
- Checkbox

\$w > Box > onClick()

onClick()

Adds an event handler that runs when the element is clicked.

Description

An element receives a `click` event when a user clicks on the element and releases.

When a user double-clicks an element, two `click` events are fired before a `doubleClick` event is also fired.

Note

Deprecation note: The `$w` parameter of event handlers is being deprecated. To get a scoped selector, use the `$w.at()` function and pass it the context property of the event parameter: `$item = $w.at(event.context)`. To learn more, see [here](#).

See Also

[onDbClick\(\)](#)

Syntax

```
function onClick(handler: MouseEventHandler): Element
```

Search API Library

Examples

Get the ID of the element that was clicked

```
$w("#myElement").onClick( event) => {
  let targetId = event.target.id; // "myElement"
}
```

[Copy Code](#)

Get a mouse click's coordinates

```
$w("#myElement").onClick( event) => {
  let clientX = event.clientX; // 362
  let clientY = event.clientY; // 244
  let offsetX = event.offsetX; // 10
  let offsetY = event.offsetY; // 12
  let pageX = event.pageX; // 362
  let pageY = event.pageY; // 376
  let screenX = event.screenX; // 3897
  let screenY = event.screenY; // 362
}
```

[Copy Code](#)

이벤트 핸들러 – 클릭에 대한 이벤트 처리



API

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Wix, API를
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WixCode API

- ⌚ wix-storage
- ⌚ wix-stores
- ⌚ wix-stores-backend
- ⊖ wix-users
 - currentUser
 - applySessionToken()
 - emailUser()
 - login()
 - logout()
 - onLogin()
 - promptForgotPassword()
 - promptLogin()
 - register()
 - LoginOptions
 - RegistrationOptions
 - RegistrationResult
 - TriggeredEmailOptions
 - ⊖ User
 - id
 - loggedIn
 - role
 - getEmail() getEmail()
 - getPricingPlans()
 - getRoles()
 - PricingPlan

wix-users > User > getEmail()

getEmail()

Gets the email of the current user.

Description

The `getEmail()` function returns a Promise that resolves to the email address of the user that is logged in or rejects if the current user is not logged in.

Note

The APIs in `wix-users` are only partially functional when previewing your site. View a published version of your site to see their complete functionality.

The APIs in `wix-users` can only be used once the page has loaded. Therefore, you must use them in code that is contained in or is called from the `onReady()` event handler or any element event handler.

Syntax

```
function getEmail(): Promise<string>
```

Search API Library

Examples

Get the user's email address

```
user.getEmail()
  .then( (email) => {
    let userEmail = email; // "user@something.com"
  });

```

Copy Code

Get the current user's information

```
import wixUsers from 'wix-users';
// ...
let user = wixUsers.currentUser;
let userId = user.id;           // "r5cme-6fem-485j-djre-4844c49"
let isLoggedIn = user.loggedIn; // true

user.getEmail()
  .then( (email) => {
    let userEmail = email;     // "user@something.com"
  });

```

Copy Code

getEmail()-작업중인 사용자의 이메일을 데이터베이스로부터 자바스크립트 코드로!



페이지 코드

“

플랫폼을
플랫폼답게!

”

강의_제작 페이지 코드

```
1
2
3  export function checkbox1_change(event) {
4
5    if ($w("#checkbox1").checked){
6      $w("#checkbox2").checked = false;
7      $w('#group5').expand();
8      $w('#button2').expand();
9      $w('#group4').collapse();
10     $w('#button3').collapse();
11
12   }
13   else{
14     $w('#group5').collapse();
15     $w('#button2').collapse();
16   }
17 }
18
19 export function checkbox2_change(event) {
20   if ($w('#checkbox2').checked){
21     $w("#checkbox1").checked = false;
22     $w('#group4').expand();
23     $w('#button3').expand();
24     $w('#group5').collapse();
25     $w('#button2').collapse();
26   }
27   else{
28     $w('#group4').collapse();
29     $w('#button3').collapse();
30   }
31 }
```



페이지 코드

“

플랫폼을
플랫폼답게!

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Show_Inside_Lecture 페이지 코드

```
1 import wixData from "wix-data";
2
3 $w.onReady(()=>{
4   wixData.query('category')
5     .find()
6     .then(res=>{
7       let options=[{"value":'', 'label':'All numbers'}];
8       options.push(...res.items.map(number => {
9         return {'value': number.name,'label':number.name};
10      }));
11      $w('#iNumber').options=options;
12    })
13 });
14
15 let lastFilterTitle;
16 let lastFilterNumber;
17 let debounceTimer;
18
19 export function iTitle_KeyPress(event, $w) {
20   //Add your code for this event here:
21   if (debounceTimer){
22     clearTimeout(debounceTimer);
23     debounceTimer=undefined;
24   }
25   debounceTimer=setTimeout(()=>{
26     filter($w('#iTitle').value,lastFilterNumber);
27   },200);
28 }
29
30
31 function filter(title, number){
32   if(lastFilterTitle !== title || lastFilterNumber !== number){
33     let newFilter=wixData.filter();
34     if (title)
35       newFilter=newFilter.contains('name',title);
36     if (number)
37       newFilter=newFilter.contains('category',number);
38     $w('#dataset1').setFilter(newFilter);
39     lastFilterTitle=title;
40     lastFilterNumber=number;
41   }
42 }
43
44
45
46
47 export function iNumber_change(event,$w) {
48   //Add your code for this event here:
49   filter(lastFilterTitle,$w('#iNumber').value);
50 }
```



페이지 코드

“

플랫폼을
플랫폼답게!

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Exhibition 페이지 코드

```
1 import wixData from 'wix-data';
2 $w.onReady(function () {
3 //TODO: write your page related code here...
4
5 });
6 export function iTitle_KeyPress(event, $w) {
7 let searchValue = $w("#iTitle").value;
8 $w('#dataset1').setFilter(wixData.filter().contains('title', searchValue).
9 or(wixData.filter().contains('specifiy', searchValue)));
10 }
11 /*
12 import wixData from "wix-data";
13
14 $w.onReady(() => {
15 | loadContinents();
16 });
17
18 let lastFilterTitle;
19 let lastFilterContinent;
20 let debounceTimer;
21
22 export function iTitle_KeyPress(event, $w) {
23 if (debounceTimer) {
24 | clearTimeout(debounceTimer);
25 | debounceTimer = undefined;
26 }
27 debounceTimer = setTimeout(() => {
28 | filter($w('#iTitle').value, lastFilterContinent);
29 }, 500);
30 }
31
32 export function iContinent_change(event, $w) {
33 | filter(lastFilterTitle, $w('#iContinent').value);
34 }
35
36 function filter(title, continent) {
37 if (lastFilterTitle !== title || lastFilterContinent !== continent) {
38 let newFilter = wixData.filter();
39 if (title)
40 | newFilter = newFilter.contains('articleTitle', title);
41 if (continent)
42 | newFilter = newFilter.contains('continent', continent);
43 $w('#dataset1').setFilter(newFilter);
44 lastFilterTitle = title;
45 lastFilterContinent = continent;
46 }
47 }
48
49 function loadContinents() {
50 | wixData.query('Continents')
51 | .find()
```



페이지 코드

“

플랫폼을
플랫폼답게!

//

팀원구함_찾기 페이지 코드

```

1 import wixData from "wix-data";
2
3 $w.onReady(()=>{
4     wixData.query('드롭다운란')
5     .find()
6     .then(res=>{
7         let options=[{"value":'', 'label':'All numbers'}];
8         options.push(...res.items.map(number => {
9             return {'value': number.name, 'label':number.name};
10            }));
11         $w('#iNumber').options=options;
12    });
13 });
14
15 let lastFilterTitle;
16 let lastFilterNumber;
17
18 export function iTitle_KeyPress(event, $w) {
19     filter($w('#iTitle').value,lastFilterNumber);
20 }
21
22
23 function filter(title, number){
24     if(lastFilterTitle !== title || lastFilterNumber !== number){
25         let newFilter=wixData.filter();
26         if (title)
27             newFilter=newFilter.contains('드롭다운란',title);
28         if (number)
29             newFilter=newFilter.contains('ability',number);
30         $w('#dataset1').setFilter(newFilter);
31         lastFilterTitle=title;
32         lastFilterNumber=number;
33     }
34 }
35
36
37
38
39 export function iNumber_change(event,$w) {
40     filter(lastFilterTitle,$w('#iNumber').value);
41     console.log($w('#iNumber').value);
42 }
```



	제출 시간		전화번호	이름	시작 날짜	Resume URL	관심분야	장문 텍스트란	JobApplication (0 0)	ability
1	01/01/2001	00:00	2	2			AI	2	/jobApplication/2	Very Nice
2	01/01/2001	00:00		1	1	http://1	NLP	1	/jobApplication/1	Terrible

Database

멤버 구하기 Table

“

Tables

	Title	category	name	level	explain	question	image	answer	
1		알고리즘	backtracking	advanced	Algorithm Class	Answer: Back		Back	
2		etc	아두이노	advanced	아두이노 피지컬 컴퓨팅 수업	답은 1번		1	1
3		딥러닝	자연어처리	Intermediate	자연어 처리 설명입니다	자연어 처리 문제 답은 NLP		NLP	NLP

//

Inner Courses Table



	Title	From	Specific	image	urls
1	Uniti	programers	Uniti		https://cheonuk.wixsite.com/da...

Database

Outer Courses Table

	이름	이메일	역할	마지막 로그인 ↑	...
HA	Hyung Geun Ahn	ahg223@aa.com		2018년 12월 10일	...
박천	박천욱	cjsdnr885@naver.com		2018년 12월 10일	...
ba		bakjun94@naver.com		2018년 12월 3일	...

Tables

"

회원 Table



고난과 역경

“
그리고, 해결

”

1. 플랫폼(wix) 제공하는 API 의 데이터베이스 파트가 너무 제한적
2. 해당 플랫폼은 자바스크립트를 기반. But!!
-기존 자바스크립트에서 제공하는 기능대신 자체적으로 개발한 api를 강제로 사용해야 함!
3. 웹 서비스를 만든다는 건 결국 사용자를 고려해야 한다. UI 및 프론트에 도전
4. 나무를 심을 줄 몰라도 숲을 만들고 싶어했다.



지향점

—

“
앞으론 어떻게
만들어
나갈거야?

”

”

정·말·로 사용할 수 있는
웹페이지로 거듭나는 일

”



시즌도 끝이 났습니다

이 프로그램은 에서 다시



모든 문의는
빠른 94 형근이 형님(26.9세, 로맨티스트)께

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