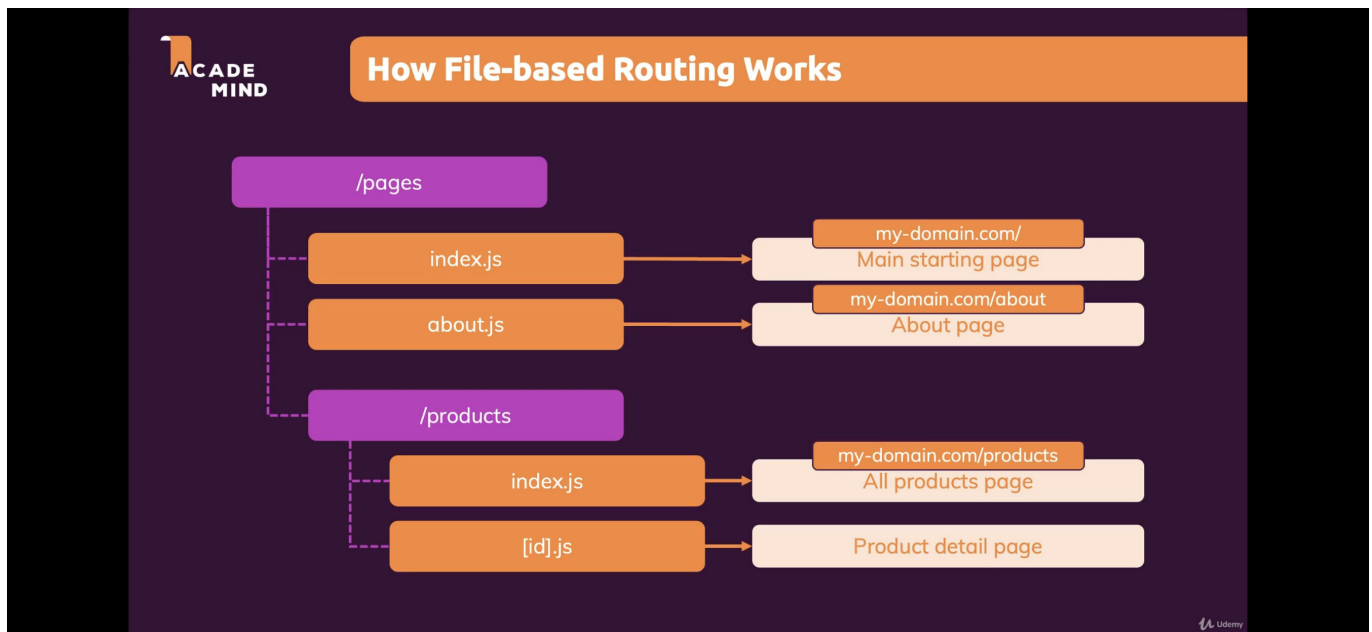


File-system Routing



Source: <https://forums.meteor.com/t/next-js-file-based-routing/55517>

AGENDA

1. Overview
2. Dynamic routes
3. Route match order

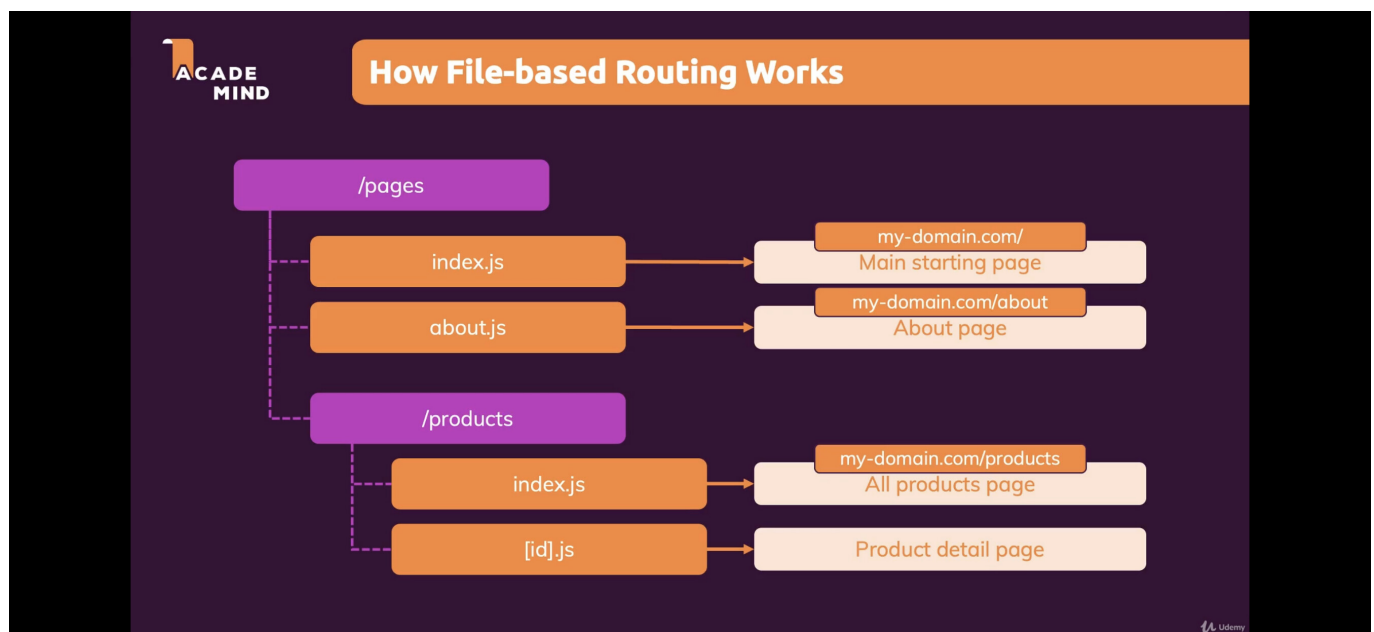
1. Overview

Add routings with **react-router-dom** in ReactJS

```
function App() {  
  // ...  
  
  return (  
    <Switch>  
      <Route exact path="/" component={HomePage} />  
      <Route path="/login" component={LoginPage} />  
      <Route path="/products" component={ProductFeature} />  
      <Route component={NotFound} />  
    </Switch>  
  )  
}
```

But in **NextJS**, we use **File-system Routing**, what does it means?

- When a file is **added to the pages directory** it's automatically available **as a route**.
- There are three kind of routes
 - **Index routes**: file named index
 - **Nested routes**: nested folder in pages
 - **Dynamic routes**: brackets in file name to match parameter dynamically



Source: <https://forums.meteor.com/t/next-js-file-based-routing/55517>

--> With pre-defined routes, one page for one URL, but what if you need to match many URLs for only one page? Well get to the next section hehe 🤔

2. Dynamic routes

We can use dynamic routes (bracket syntax) to support path parameters.

#	Name	File Path
1	Single parameter	pages/posts/[postId].tsx
2	Multiple parameters	pages/categories/[categoryId]/posts/[postId].tsx
3	Catch all routes	pages/posts/[... slug].tsx
4	Optional catch all routes	pages/posts/[[...slug]].tsx

Note: You can use names other than `slug`, such as: `[...params]`

Single parameter: `pages/posts/[postId].tsx` will match:

#	URL	router.query
1	/posts/123	{ <code>postId</code> : '123' }
2	/posts/developer-tips	{ <code>postId</code> : 'developer-tips' }
3	/posts/developer-roadmap	{ <code>postId</code> : 'developer-roadmap' }

but it won't match `/posts/developer-roadmap/something-else`

Multiple parameters: `pages/categories/[categoryId]/posts/[postId].tsx` will match:

#	URL	router.query
1	/categories/123/posts/456	{ <code>categoryId</code> : '123', <code>postId</code> : '456' }
2	/categories/frontend/posts/js	{ <code>categoryId</code> : 'frontend', <code>postId</code> : 'js' }

```
pages
|__ categories
|   |__ [categoryId] (folder)
|       |__ posts
|           |__ [postId].tsx (file)
```

Catch all routes: `pages/posts/[...slug].tsx` will match:

#	URL	router.query
1	<code>/posts/123</code>	<code>{ slug: ['123'] }</code>
2	<code>/posts/easy-nextjs</code>	<code>{ slug: ['easy-nextjs'] }</code>
3	<code>/posts/easy/frontend</code>	<code>{ slug: ['easy', 'frontend'] }</code>
4	<code>/posts/easy/frontend/nextjs</code>	<code>{ slug: ['easy', 'frontend', 'nextjs'] }</code>

but it won't match `/posts`

Optional catch all routes: `pages/posts/[...slug].tsx` will match:

Same to **Catch all routes** but it also match `/posts`

3. Route match order

Priority	Name	File Path	Code
1	Pre-defined routes	<code>pages/posts/create.tsx</code>	A
2	Dynamic routes	<code>pages/posts/[postId].tsx</code>	B
3	Catch all routes	<code>pages/posts/[...slug].tsx</code>	C

Examples:

#	if user visit	it will match
1	<code>/posts/create</code>	A
2	<code>/posts/12345</code>	B
3	<code>/posts/developer-tips</code>	B
4	<code>/posts/frontend-road-map</code>	B
5	<code>/posts/12345/comments</code>	C
6	<code>/posts/12345/comments/123</code>	C

Tham khảo

- <https://nextjs.org/docs/routing/introduction>
 - <https://nextjs.org/docs/routing/dynamic-routes>
 - <https://www.smashingmagazine.com/2020/10/getting-started-with-next-js/>
-

Series - NextJS + Typescript 🎉

- Tác giả: **Hậu Nguyễn**
- Được phát hành trên kênh youtube **Easy Frontend**.
- Tài liệu pdf và videos đều có bản quyền thuộc về Easy Frontend.
- Videos được phát hành cho fan cứng trước, public sau.
- [Đăng ký fan cứng](#) để xem series này đầy đủ và sớm nhất nhé.

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