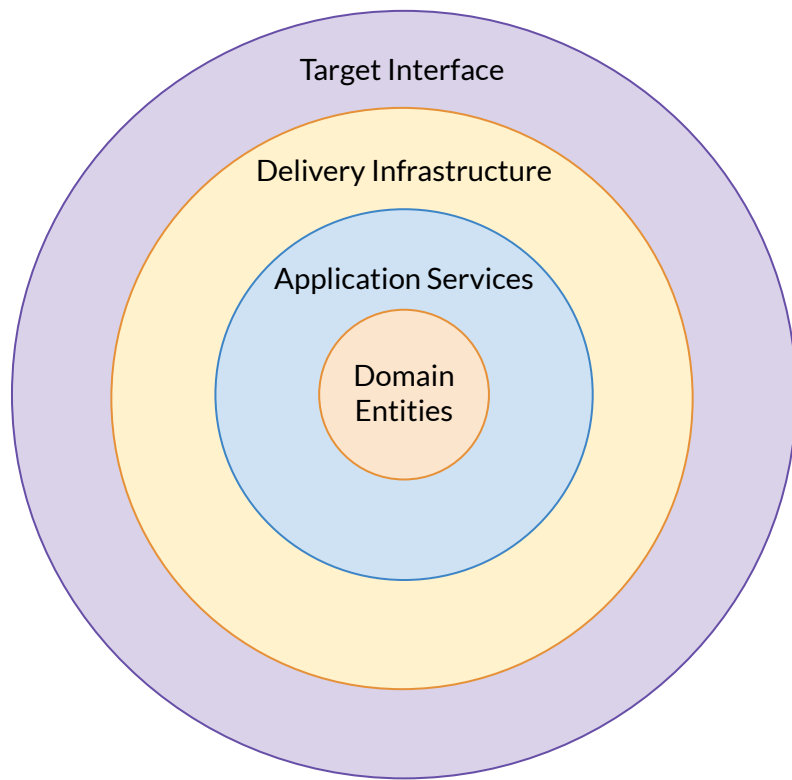
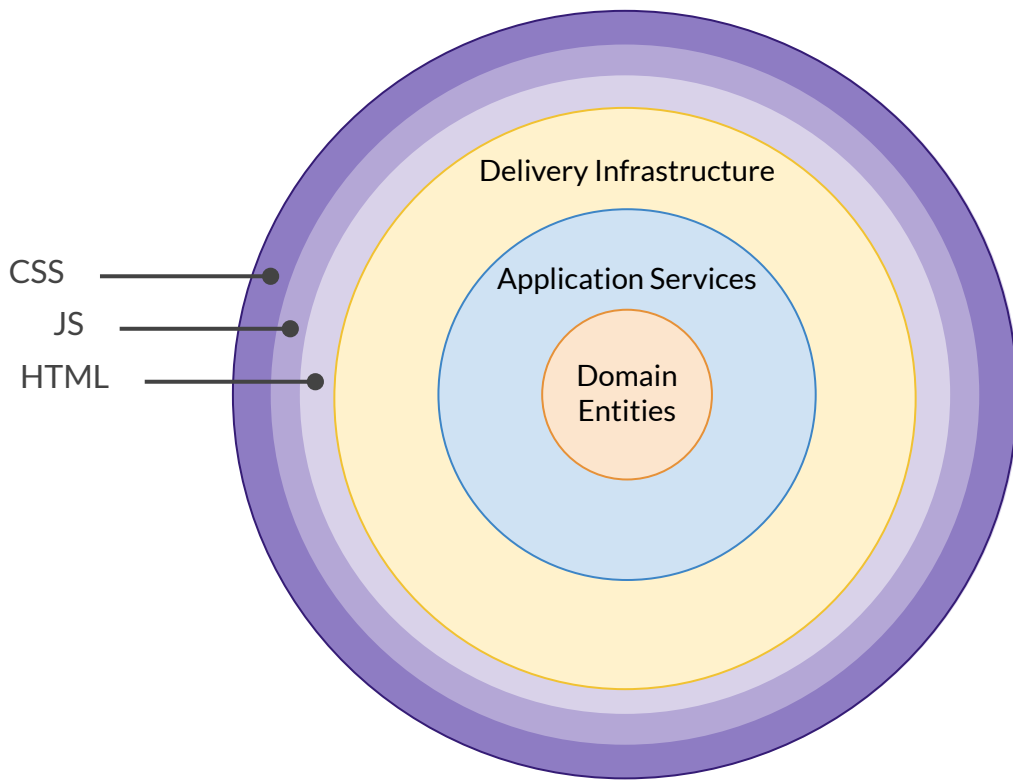

Ducks Bundles



Lorenzo Mignola



Clean Architecture



Clean Architecture

Production bug

#DUCKS

MY AWESOME VIDEO

4,387,461,970 views • Jul 15, 2012



???



DISLIKE



SHARE



CLIP



SAVE



Find the bug

 views
└─ video.html

 styles
└─ video.css

 js
└─ like.js

 controllers
└─ videoController.java

 services
└─ videoService.java

 entities
└─ videoEntity.java



6 files and 6 directories

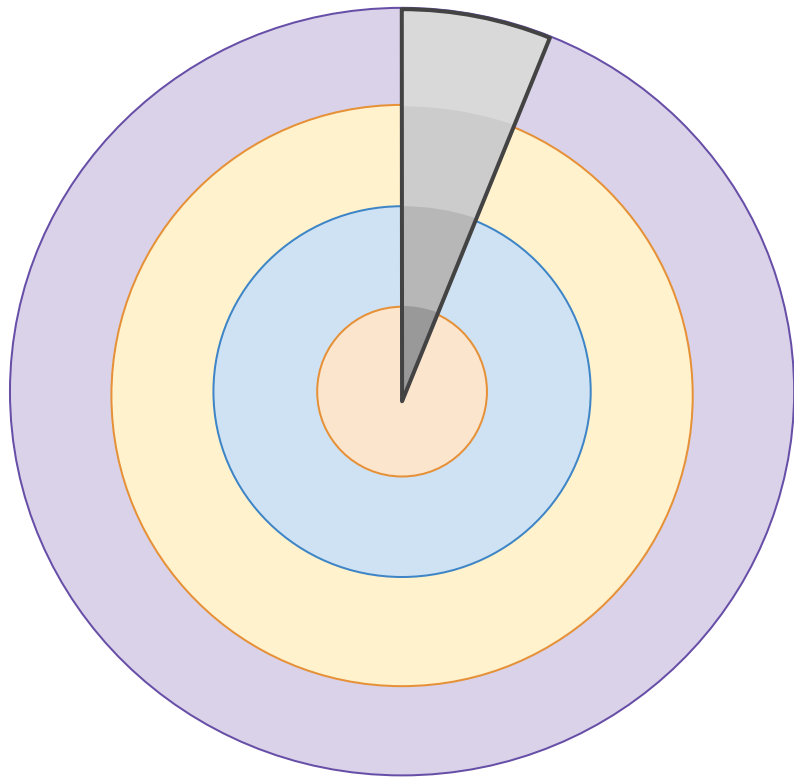
ducks-modular-redux

“To me, it makes more sense for these pieces to be bundled together in an isolated module that is self contained, and can even be packaged easily into a library”



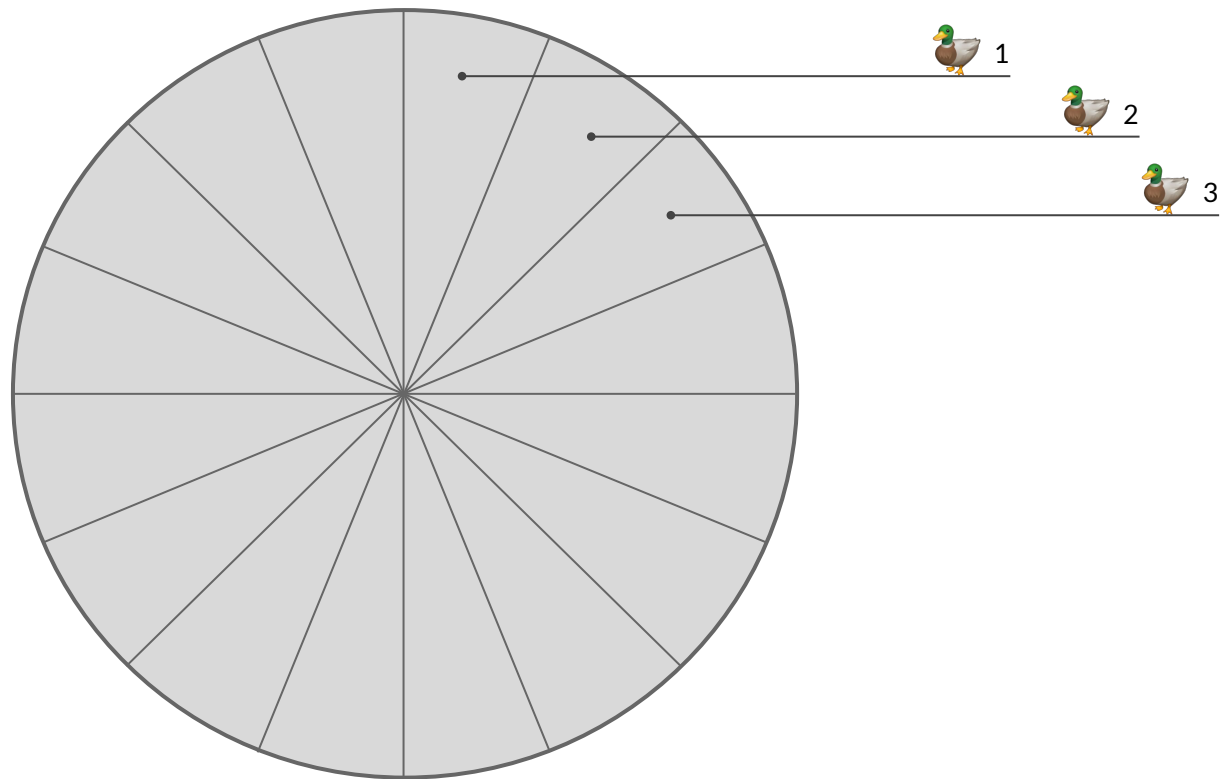
<https://github.com/erikras/ducks-modular-redux>

—



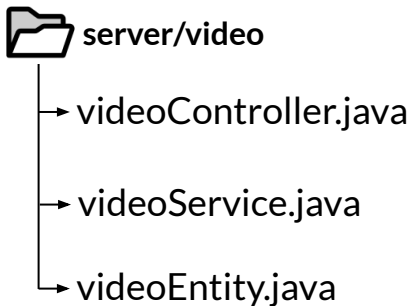
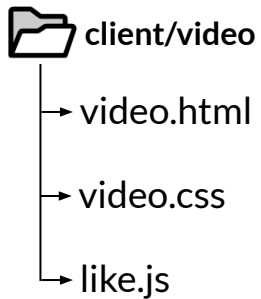
Ducks bundles

—



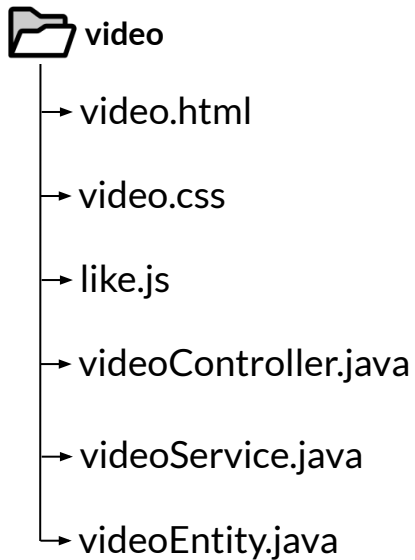
Ducks bundles

Feature directory



Only 2 directories

Feature directory



Only 1 directory

Commons

DB Connection

External services

Global styles

Commons layer

One step further

A scenic landscape photograph of a calm lake. In the foreground, two ducks are swimming towards the right. The duck on the left is a brown mallard hen, and the one on the right is a male mallard with a green head. The water is still, reflecting the surrounding environment. In the background, steep, forested mountains rise from the lake's edge. The upper parts of the mountains are shrouded in a thick, white mist or fog, creating a sense of depth and tranquility. The overall color palette is muted, with greens, browns, and greys.

Next.js & Prisma



schema.prisma

```
1  datasource db {
2    provider = "sqlite"
3    url      = env("DATABASE_URL")
4  }
5
6  model Video {
7    id          Int      @id @default(autoincrement())
8    title       String
9    createdAt   DateTime @default(now())
10   likes       Int
11   // ...
12 }
13
```

prismaClient.js

```
1  import { PrismaClient } from "@prisma/client"
2
3  const prisma = new PrismaClient();
```

/video/[id].jsx

```
1  export async function getStaticProps(context) {  
2    // server  
3  }  
4  
5  const Video = (props) => {  
6    // client  
7  }  
8  
9  export default Video
```

/video/[id].jsx

Delivery infrastructure

```
1  export async function getStaticProps(context) {  
2    // ...  
3    return {  
4      props: { video },  
5    }  
6  }  
7  
8  const Video = ({ video }) => {  
9    // ...  
10 }
```

/video/[id].jsx

Application services

```
1  import prismaClient from "../prismaClient"
2
3  export async function getStaticProps(context) {
4    await prismaClient.video.findUnique({
5      // ...
6    })
7  }
```

/video/[id].jsx

Domain entities

```
1  export async function getStaticProps(context) {
2    const video = await prismaClient.video.findUnique({
3      where: {
4        id: context.params.id,
5      },
6    })
7
8    return {
9      props: { video },
10   }
11 }
12
```

/video/[id].jsx

Target interface (html)

```
1  const Video = ({ video }) => {  
2    return (  
3      <main>  
4        { /* ... */ }  
5        <button>  
6          <span className="like" />  
7            {video.likes}  
8        </button>  
9      </main>  
10    )  
11  }
```

/video/[id].jsx

Target interface (css)

```
1  <div>
2    { /* ... */ }
3    <span className="like" />
4    { /* ... */ }
5    <style jsx global>{`
6      .like {
7        background-image: url("../like.png");
8      }
9    `}</style>
10  </div>
```

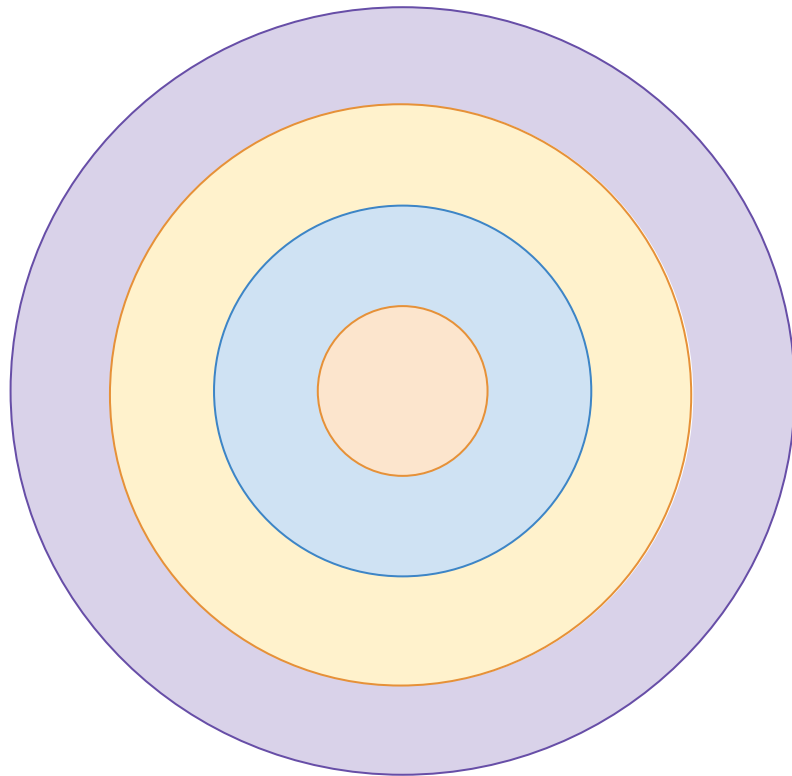
/video/[id].jsx

Target interface (js)

```
1  const Video = ({ video }) => {
2    const handleLike = () => {
3      // ...
4    }
5
6    return (
7      <main>
8        { /* ... */ }
9        <button onClick={handleLike}>{ /* ... */ }</button>
10     </main>
11   )
12 }
```

/video/[id].jsx

```
1 import prismaClient from "../prismaClient"
2
3 export async function getStaticProps(context) {
4   const video = await prismaClient.video.findUnique({
5     where: {
6       id: context.params.id,
7     },
8   })
9
10  return {
11    props: { video },
12  }
13 }
14
15 const Video = ({ video }) => {
16   const handleLike = () => {
17     // ...
18   }
19
20   return (
21     <main>
22       { /* ... */ }
23       <button onClick={handleLike}>
24         <span className="Like" />
25         {video.likes}
26       </button>
27       <style jsx global>{`
28         .like {
29           background-image: url("../like.png");
30         }
31       `}</style>
32     </main>
33   )
34 }
35
36 export default Video
```



—

**Against the
principles...
...but keep all
entities small!!!**



—

**Which folder
structure do you
prefer?**

Q&A?



Stay in touch



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