**$ npm install -g @ionic/cli**

…

…

…

+ @ionic/cli@6.12.4

updated 1 package in 12.956s

$

Listing 4.1 Perintah Instalasi Ionic

**$ ionic start –list**

ionic start –list

Starters for @ionic/vue (--type=vue) name | description

tabs | A starting project with a simple tabbed interface sidemenu | A starting project with a side menu with navigation in the content area

blank | A blank starter project list | A starting project with a list

…

…

…

Listing 4.2

Perintah Memulai Proyek Baru

$ ionic start maskaApp tabs --type vue

✔ Preparing directory ./maskaApp in 1.14ms

✔ Downloading and extracting tabs starter in 1.23s

…

…

…

added 1718 packages from 1246 contributors in 189.507s 77 packages are looking for funding

run `npm fund` for details

Join the Ionic Community! 💙

Connect with millions of developers on the Ionic Forum and get access to live events, news updates, and more.

? Create free Ionic account? No.

Your Ionic app is ready! Follow these next steps:

* Go to your new project: cd ./maskaApp
* Run ionic serve within the app directory to see your app in the browser
* Run ionic capacitor add to add a native iOS or Android project using Capacitor
* Generate your app icon and splash screens using cordova-re–--skip-confi–--copy
* Explore the Ionic docs for components, tutorials, and more: https://ion.link/docs
* Building an enterprise app? Ionic has Enterprise Support and Features:

https://ion.link/enterprise-edition

Listing 4.3

Perintah Untuk Membuat Proyek Baru Pada Folder maskaApp

$ cd maskaApp

$ ionic serve

* vue-cli-service serve

[vue-cli-service] INFO Starting development server... [INFO] Development server running!

Local: http://localhost:8100 Use Ctrl+C to quit this process

[vue-cli-service] App running at:

[vue-cli-service] - Local: http://localhost:8100/

[vue-cli-service] - Network: http://172.17.53.169:8100/

[vue-cli-service] Note that the development build is not optimized. [vue-cli-service] To create a production build, run npm run build. [vue-cli-service] No. issues found.

[INFO] Browser window opened to http://localhost:8100!

Listing 4.4

Masuk Pada Folder Proyek Baru

Dan Menjalankan Proyek Baru Pertama Kali



$ ionic serve

* vue-cli-service serve

[vue-cli-service] INFO Starting development server...

[INFO] Development server running!

Local: http://localhost:8100 Use Ctrl+C to quit this process

[vue-cli-service] App running at:

[vue-cli-service] - Local: http://localhost:8100/ [vue-cli-service] - Network: http://192.168.1.7:8100/

[vue-cli-service] Note that the development build is not optimized.

[vue-cli-service] To create a production build, run npm run build.

[INFO] Browser window opened to http://localhost:8100!

[vue-cli-service] Issues checking in progress... [vue-cli-service] No issues found.

Listing 4.5 Menjalankan Proyek

$ ionic serve --lab

* vue-cli-service serve

[vue-cli-service] INFO Starting development server...

* ionic-lab http://localhost:8100 --host localhost --port 8200 --project-type

vue --app-name firstIonicApp --app-version 0.0.1

[vue-cli-service] App running at:

[vue-cli-service] - Local: http://localhost:8100/ [vue-cli-service] - Network: http://192.168.1.7:8100/

[vue-cli-service] Note that the development build is not optimized. [vue-cli-service] To create a production build, run npm run build. [vue-cli-service] Issues checking in progress...

[INFO] Development server running!

Lab: http://localhost:8200 Local: http://localhost:8100

Use Ctrl+C to quit this process

[INFO] Browser window opened to http://localhost:8200! [vue-cli-service] No issues found.

Listing 4.6

Menjalankan Proyek dengan Simulasi *Web Browser* (Android. iOS dan Windows)

<template>

<ion-page>

<ion-header>

<ion-toolbar>

<ion-title>Tab 4</ion-title>

</ion-toolbar>

</ion-header>

<ion-content :fullscreen=”true”>

<ion-header collapse=”condense”>

<ion-toolbar>

<ion-title size=”large”>Tab 4</ion-title>

</ion-toolbar>

</ion-header>

// <1>

<ExploreContainer name=”Tab 4 page” />

</ion-content>

</ion-page>

</template>

// <2>

<script lang=”ts”> import { IonPage, IonHeader, IonToolbar, IonTitle,

IonContent } from ‘@ionic/vue’;

// <3>

import ExploreContainer from ‘@/components/ExploreContainer.vue’;

export default { name: ‘Tab4Page’,

components: { ExploreContainer, IonHeader,

IonToolbar, IonTitle, IonContent, IonPage }

}

</script>

// <4>

Listing 4.7

*File* Tab4.vue (*src/views*)

…

…

…

<ion-tab-button tab=”tab3” href=”/tabs/tab3”>

<ion-icon :icon=”square” />

<ion-label>Tab 3</ion-label>

</ion-tab-button>

<ion-tab-button tab=”tab4” href=”/tabs/tab4”>

<ion-icon :icon=”star” />

<ion-label>Tab 4</ion-label>

</ion-tab-button>

// <1>

</ion-tab-bar>

</ion-tabs>

</ion-page>

</template>

<script lang=”ts”> import { IonTabBar, IonTabButton, IonTabs, IonLabel, IonIcon,

IonPage

} from ‘@ionic/vue’;

import { ellipse, square, triangle, star } from ‘ionicons/icons’; // <2>

export default { name: ‘Tabs’, components:

{

IonLabel, IonTabs, IonTabBar, IonTabButton, IonIcon, IonPage

},

setup() { return { ellipse, square,

triangle, star,

}

}

}

// <3>

Listing 4.8

*File* Tabs.vue (*src/views*)

…

…

…

path: ‘/tabs/’, component: Tabs, children: [

// <1>

{

path: ‘’,

redirect: ‘/tabs/tab1’

},

{

path: ‘tab1’,

component: () => import(‘@/views/Tab1Page.vue’)

},

{

path: ‘tab2’,

component: () => import(‘@/views/Tab2Page.vue’)

},

{

path: ‘tab3’,

component: () => import(‘@/views/Tab3Page.vue’)

},

{

path: ‘tab4’,

component: () => import(‘@/views/Tab4Page.vue’)

}

// <2>

…

…

…

Listing 4.9

*File* index.ts (*src/router*)

…

…

…

const app = createApp(App)

.use(IonicVue)

.use(router);

**app.config.errorHandler = (err, vm, info) => {**

// <1>

**alert(err + “\nVM: “ + JSON.stringify(vm) + “\nInfo: “ + info);**

**}**

router.isReady().then(() => { app.mount(‘#app’);

});

Listing 4.10

Potongan Dan Penambahan Listing File main.ts (*src*)

…

…

…

**<p><ion-button color=”danger” @click=”dontClick”> Danger**

**</ion-button></p>**

<ExploreContainer name=”Tab 1 page” />

</ion-content>

</ion-page>

</template>

// <1>

<script lang=”ts”> import {

IonPage, IonHeader, IonToolbar, IonTitle, IonContent

} from ‘@ionic/vue’;

import ExploreContainer from ‘@/components/ExploreContainer.vue’;

export default { name: ‘Tab1’, components: { ExploreContainer, IonHeader, IonToolbar, IonTitle, IonContent, IonPage

**},**

**methods: { dontClick() {**

**throw new Error(“Jangan diklik”);**

**}**

**}**

}

</script>

**// <2>**

Listing 4.11

Potongan Dan Penambahan Listing File Tab1.vue (*src/views*)

|  |  |
| --- | --- |
| import { createApp } from ‘vue’ import App from ‘./App.vue’ import router from ‘./router’;  import { IonicVue } from ‘@ionic/vue’; | // <1>  // <2>  // <3>  // <4> |
| …  …  …  const app = createApp(App) | // <5> |
| .use(IonicVue)  .use(router); |  |
| router.isReady().then(() => { app.mount(‘#app’);  }); | // <6> |

Listing 4.12 Listing File main.ts (*src*)

<template>

<ion-app>

<ion-router-outlet />

</ion-app>

</template>

// <1>

// <2>

<script lang=”ts”>

import { IonApp, IonRouterOutlet } from ‘@ionic/vue’;

import { defineComponent } from ‘vue’;

export default defineComponent({

name: ‘App’, components: { IonApp, IonRouterOutlet

}

});

</script>

// <3>

Listing 4.13 main.ts (src)

…

…

…

{

path: ‘/tabs/’, component: Tabs, children: [

{

path: ‘’,

redirect: ‘/tabs/tab1’

},

…

…

…

// <1>

import axios from ‘axios’;

// <1>

export default class EndPointAccess { theUrl: string;

constructor(url: string) { this.theUrl = url;

}

// <2>

// <3>

async getRes() {

const response = await axios.get(this.theUrl); return response;

}

}

// <4>

Listing 4.14 Index.ts

<template>

<ion-page>

<ion-header :translucent=”true”>

<ion-toolbar>

<ion-title>Blank</ion-title>

</ion-toolbar>

</ion-header>

<ion-content :fullscreen=”true”>

<div id=”container”>

<p>Daftar User</p>

<p><ion-button @click=”ambilData”>Ambil data</ion-button></p>

<table class=”center”>

<tr>

<th>id</th>

<th>Name</th>

<th>E-mail</th>

<th>Company</th>

</tr>

<tr v-for=”user in dataUsers” :key=”user.id”>

<td>{{ user.id }}</td>

<td>{{ user.name }}</td>

<td>{{ user.email }}</td>

<td>{{ user.company.name }}</td>

</tr>

</table>

</div>

</ion-content>

</ion-page>

</template>

// <1>

<script lang=”ts”>

import { IonContent, IonHeader, IonPage, IonTitle, IonToolbar, IonButton } from ‘@ ionic/vue’;

import { defineComponent } from ‘vue’;

import EndPointAccess from ‘@/services/EndPointAccess’; // <2>

let resData: any;

// <3>

export default defineComponent({

name: ‘HomePage’, data() {

return { dataUsers: null

}

},

methods: { ambilData() {

// <4>

// <5>

resData = new EndPointAccess(‘https://jsonplaceholder.typicode.com/users’); resData.getRes()

.then((response: any) => (this.dataUsers = response.data))

}

},

components: { IonContent, IonHeader, IonPage, IonTitle, IonToolbar, IonButton

}

});

</script>

<style scoped> #container {

text-align: center; position: absolute; left: 0;

right: 0;

top: 50%;

transform: translateY(-50%);

}

#container strong { font-size: 20px; line-height: 26px;

}

#container p { font-size: 16px; line-height: 22px; color: #8c8c8c; margin: 0;

}

#container a {

text-decoration: none;

}

.center {

margin-left: auto; margin-right: auto;

}

// <6>

</style>

Listing 4.15 HomePage.vue

import { createRouter, createWebHistory } from ‘@ionic/vue-router’; import { RouteRecordRaw } from ‘vue-router’;

import Home from ‘**../views/HomePage.vue’** // <1>

const routes: Array<RouteRecordRaw> = [

{

path: ‘/’, redirect: ‘/home’

},

{

path: ‘/home’,

name: ‘Home’, component: Home

}

]

// <2>

const router = createRouter({

history: createWebHistory(process.env.BASE\_URL), routes

})

export default router

Listing 4.16 index.ts (src/router)