## Instalasi

Untuk melakukan instalasi Vuex:

$ npm install --save vuex@next

Listing 9.1

Perintah untuk Instalasi Vuex



import { createStore } from ‘vuex’

// <1>

const store = createStore({ state () {

return { iPLogin: false,

iPUserName: ‘’, iPFullName: ‘’

}

},

mutations: {

ubahKeLogin (state: any, { userName, fullName }) { state.iPLogin = true;

state.iPUserName = userName; state.iPFullName = fullName;

},

ubahKeLogout (state: any) { state.iPLogin = false; state.iPUserName = ‘’; state.iPFullName = ‘’;

}

}

});

// <2>

// <3>

// <4>

Listing 9.2

Perintah untuk Membuat Store

this.$store.state.loginStatus

Listing 9.3

Perintah untuk Mengakses Data/*State* di Komponen



**9.6** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

…

…

this.$store.commit(‘ubahKeLogin’, { userName: this.unameDb, fullName: this.fnameDb

});

…

…

Listing 9.4

Perintah untuk Melakukan Mutasi

import { Store } from ‘@/store’;

// <1>

declare module ‘@vue/runtime-core’ { interface ComponentCustomProperties {

$store: Store;

}

}

Listing 9.5

Perintah untuk *src/shims-vuex.d.ts*

import { createApp } from ‘vue’

…

…

/\* Theme variables \*/

import ‘./theme/variables.css’; import store from “./store”;

const app = createApp(App)

.use(IonicVue)

.use(store)

.use(router);

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

});

Listing 9.6 Perintah untuk *src/main.ts*



**9.8** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

<template>

<IonApp>

<IonSplitPane content-id=”main-content”>

<ion-menu content-id=”main-content” type=”overlay”>

<ion-content>

<ion-list id=”inbox-list”>

<ion-list-header>InterPlace</ion-list-header>

<ion-note>Track interesting places!</ion-note>

<ion-menu-toggle auto-hide=”false”

v-for=”(p, i) in appPages”

:key=”i”>

<ion-item @click=”selectedIndex = i” router-direction=”root”

:router-link=”p.url” lines=”none” detail=”false” class=”hydrated”

:class=”{ selected: selectedIndex === i }”>

<ion-icon slot=”start”

:ios=”p.iosIcon”

:md=”p.mdIcon”>

</ion-icon>

<ion-label>{{ p.title }}</ion-label>

</ion-item>

</ion-menu-toggle>

</ion-list>

</ion-content>

</ion-menu>

<ion-router-outlet id=”main-content”></ion-router-outlet>

</IonSplitPane>

</IonApp>

</template>

<script lang=”ts”>

import { IonApp, IonContent, IonIcon, IonItem, IonLabel, IonList, IonListHeader, IonMenu, IonMenuToggle, IonNote, IonRouterOutlet, IonSplitPane } from ‘@ionic/ vue’;

import { defineComponent, ref } from ‘vue’; import { useRoute } from ‘vue-router’; import { paw } from ‘ionicons/icons’;



**MSIM4401**/MODUL 9 **9.9**

|  |
| --- |
| export default defineComponent({  name: ‘App’, components: { IonApp, IonContent, IonIcon, IonItem, IonLabel, IonList, IonListHeader, IonMenu,  IonMenuToggle, IonNote, IonRouterOutlet, IonSplitPane,  },  setup() {  const selectedIndex = ref(0); const appPages = [  {  title: ‘Tentang InterPlace’, url: ‘/tentang’,  iosIcon: paw, mdIcon: paw  }  ];  const path = window.location.pathname.split(‘folder/’)[1];  if (path !== undefined) {  selectedIndex.value = appPages.findIndex(page => page.title.toLowerCase()  === path.toLowerCase());  }  const route = useRoute(); return {  selectedIndex, appPages, paw,  isSelected: (url: string) => url === route.path ? ‘selected’ : ‘’  }  }  });  </script>  <style scoped>  ion-menu ion-content {  --background: var(--ion-item-background, var(--ion-background-color, #fff));  } |
| ion-menu.md ion-content {  --padding-start: 8px; |



**9.10** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

|  |
| --- |
| --padding-end: 8px;  --padding-top: 20px;  --padding-bottom: 20px;  }  ion-menu.md ion-list { padding: 20px 0;  }  ion-menu.md ion-note { margin-bottom: 30px;  }  ion-menu.md ion-list-header, ion-menu.md ion-note { padding-left: 10px;  }  ion-menu.md ion-list#inbox-list {  border-bottom: 1px solid var(--ion-color-step-150, #d7d8da);  }  ion-menu.md ion-list#inbox-list ion-list-header { font-size: 22px;  font-weight: 600;  min-height: 20px;  }  ion-menu.md ion-list#labels-list ion-list-header { font-size: 16px;  margin-bottom: 18px; color: #757575;  min-height: 26px;  }  ion-menu.md ion-item {  --padding-start: 10px;  --padding-end: 10px; border-radius: 4px;  }  ion-menu.md ion-item.selected {  --background: rgba(var(--ion-color-primary-rgb), 0.14);  } |
| ion-menu.md ion-item.selected ion-icon { color: var(--ion-color-primary);  } |



**MSIM4401**/MODUL 9 **9.11**

|  |
| --- |
| ion-menu.md ion-item ion-icon { color: #616e7e;  }  ion-menu.md ion-item ion-label { font-weight: 500;  }  ion-menu.ios ion-content {  --padding-bottom: 20px;  }  ion-menu.ios ion-list { padding: 20px 0 0 0;  }  ion-menu.ios ion-note { line-height: 24px; margin-bottom: 20px;  }  ion-menu.ios ion-item {  --padding-start: 16px;  --padding-end: 16px;  --min-height: 50px;  }  ion-menu.ios ion-item.selected ion-icon { color: var(--ion-color-primary);  }  ion-menu.ios ion-item ion-icon { font-size: 24px;  color: #73849a;  }  ion-menu.ios ion-list#labels-list ion-list-header { margin-bottom: 8px;  }  ion-menu.ios ion-list-header, ion-menu.ios ion-note { padding-left: 16px;  padding-right: 16px;  }  ion-menu.ios ion-note { margin-bottom: 8px;  } |
| ion-note {  display: inline-block; font-size: 16px; |



**9.12** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

color: var(--ion-color-medium-shade);

}

ion-item.selected {

--color: var(--ion-color-primary);

}

</style>

Listing 9.7 Perintah untuk *src/App.vue*

declare module ‘\*.vue’ {

import { defineComponent } from ‘vue’

const component: ReturnType<typeof defineComponent>

export default component

}

Listing 9.8

Perintah untuk *src/shims-vue.d.ts*

import { Store } from ‘@/store’;

declare module ‘@vue/runtime-core’ { interface ComponentCustomProperties {

$store: Store;

}

}

Listing 9.9

Perintah untuk *src/shims-vuex.d.ts*



**MSIM4401**/MODUL 9 **9.13**

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

import InterPlaceHome from ‘../views/InterPlaceHome.vue’ import InterPlaceTentang from ‘../views/InterPlaceTentang.vue’ import InterPlaceLogin from ‘../views/InterPlaceLogin.vue’

const routes: Array<RouteRecordRaw> = [

{

path: ‘’, redirect: ‘/login’

},

{

path: ‘/login’,

name: ‘InterPlaceLogin’, component: InterPlaceLogin

},

{

path: ‘/home’,

name: ‘InterPlaceHome’, component: InterPlaceHome

},

{

path: ‘/tentang’,

name: ‘InterPlaceTentang’, component: InterPlaceTentang

}

]

const router = createRouter({

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

})

export default router

Listing 9.10

Perintah untuk *src/router/index.ts*



**9.14** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

import { createStore } from ‘vuex’

const store = createStore({ state () {

return { iPLogin: false,

iPUserName: ‘’, iPFullName: ‘’

}

},

mutations: {

ubahKeLogin (state: any, { userName, fullName }) { state.iPLogin = true;

state.iPUserName = userName; state.iPFullName = fullName;

},

ubahKeLogout (state: any) { state.iPLogin = false; state.iPUserName = ‘’; state.iPFullName = ‘’;

}

}

});

export default store;

Listing 9.11

Perintah untuk *src/store/index.ts*

<template>

<ion-page>

<ion-header :translucent=”true”>

<ion-toolbar>

<ion-buttons slot=”start”>

<ion-menu-button color=”primary”></ion-menu-button>

</ion-buttons>

<ion-title>InterPlace - {{ fullName }}

<ion-button color=”danger” @click=”logout”>Logout

</ion-button>



**MSIM4401**/MODUL 9 **9.15**

|  |
| --- |
| </ion-title>  </ion-toolbar>  </ion-header>  <ion-content :fullscreen=”true”>  <div id=”container”>  <strong>InterPlace</strong>  <p>Track some interesting places!</p>  </div>  </ion-content>  </ion-page>  </template>  <script lang=”ts”>  import { IonButtons, IonContent, IonHeader, IonMenuButton, IonPage, IonTitle, IonToolbar } from ‘@ionic/vue’;  import { defineComponent } from ‘vue’;  import { useRouter } from ‘vue-router’;  export default defineComponent ({  name: ‘InterPlaceHome’, data() {  return { fullName: ‘’  }  },  setup() {  const router = useRouter(); return { router };  },  mounted() {  if (!this.$store.state.iPLogin) { this.router.push(‘/login’); } else { this.fullName = this.$store.state.iPFullName;  }  },  methods: { logout() {  this.$store.commit(‘ubahKeLogout’); this.router.push(‘/login’);  }  },  components: { |
| IonButtons, IonContent |



**9.16** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

IonHeader, IonMenuButton, IonPage, IonTitle, IonToolbar

}

});

</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;

}

</style>

Listing 9.12

Perintah untuk *src/views/InterPlaceHome.vue*



**MSIM4401**/MODUL 9 **9.17**

|  |
| --- |
| <template>  <ion-page>  <ion-header :translucent=”true”>  <ion-toolbar>  <ion-buttons>  <ion-back-button :text=”getBackButtonText()” default-href=”/”></ion-back-button>  </ion-buttons>  </ion-toolbar>  </ion-header>  <ion-content>  <ion-card>  <ion-card-header>  <ion-card-subtitle>&copy; 2021 Dr. Bambang Purnomosidi D. P.</ ion-card-subtitle>  <ion-card-title>InterPlace</ion-card-title>  </ion-card-header>  <ion-card-content>  <strong>InterPlace</strong> adalah aplikasi untuk menyimpan data lokasi yang menarik dalam bentuk foto yang diambil serta lokasi di peta. Aplikasi ini diharap- kan bisa menolong para pemakai yang sedang bepergian dan tidak punya kesem- patan untuk menulis. Anda memfoto, InterPlace akan  mengurusi detailnya.  </ion-card-content>  </ion-card>  </ion-content>  </ion-page>  </template>  <script lang=”ts”>  import { IonPage, IonContent, IonHeader, IonToolbar, IonButtons, IonBackButton, IonCard, IonCardHeader, IonCardSubtitle, IonCardTitle, IonCardContent } from ‘@ ionic/vue’;  import { defineComponent } from ‘vue’;  import { useRouter } from ‘vue-router’;  export default defineComponent({ name: ‘InterPlaceTentang’, data() {  return {  getBackButtonText: () => { const win = window as any;  const mode = win && win.Ionic && win.Ionic.mode; return mode === ‘ios’ ? ‘Inbox’ : ‘’;  }  }  },  components: { IonPage, |
| IonContent, IonHeader, |



**9.18** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

IonToolbar, IonButtons, IonBackButton, IonCard, IonCardHeader, IonCardSubtitle, IonCardTitle, IonCardContent

},

});

</script>

Listing 9.13

Perintah untuk *src/views/InterPlaceTentang.vue*

<template>

<ion-page>

<ion-header :translucent=”true”>

<ion-toolbar>

<ion-buttons slot=”start”>

<ion-menu-button color=”primary”></ion-menu-button>

</ion-buttons>

<ion-title>InterPlace Login:</ion-title>

</ion-toolbar>

</ion-header>

<ion-content>

<p>Nama: <ion-input v-model=”ipName”></ion-input></p>

<p>Kata kunci: <ion-input type=”password” v-model=”ipPass”></ion-input></p>

<p>

<ion-button @click=”validasi”>Validasi!</ion-button>

</p>

<p>{{ hasilLogin }}</p>

</ion-content>

</ion-page>

</template>

<script lang=”ts”>

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

import { defineComponent } from ‘vue’;

import { useRouter } from ‘vue-router’;



**MSIM4401**/MODUL 9 **9.19**

|  |
| --- |
| import { SQLite, SQLiteObject } from ‘@ionic-native/sqlite’;  export default defineComponent ({  name: ‘InterPlaceLogin’, data() {  return { ipName: ‘’,  ipPass: ‘’, hasilLogin: ‘’, jumlahCoba: 0, unameDb: ‘’,  fnameDb: ‘’,  passDb: ‘’, hasilSQL: ‘’  }  },  mounted() {  const conn = SQLite.create({ name: ‘ip.db’,  location: ‘default’,  });  if (conn !== null) {  conn.then((db: SQLiteObject) => { db.sqlBatch([  ‘DROP TABLE IF EXISTS Users’,  ‘CREATE TABLE Users (uname VARCHAR(8), fname VARCHAR(32), pass VARCHAR(8))’,  [‘INSERT INTO Users VALUES (?,?,?)’, [‘a’, ‘User A’, ‘passA’]],  ]).then((ok: any) => {  db.executeSql(‘SELECT \* FROM Users’, [])  .then((okSelect: any) => {  this.unameDb = okSelect.rows.item(0).uname; this.fnameDb = okSelect.rows.item(0).fname; this.passDb = okSelect.rows.item(0).pass; this.hasilSQL = “Berhasil select”;  })  .catch(e => (this.hasilSQL = e.message));  })  .catch(e => (this.hasilSQL = e.message));  })  } else {  this.hasilSQL = ‘Koneksi basis data gagal!’;  } |
| },  methods: { |



**9.20** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

|  |
| --- |
| validasi() {  if (this.ipName === this.unameDb && this.ipPass === this.passDb ) { this.$store.commit(‘ubahKeLogin’, {  userName: this.unameDb, fullName: this.fnameDb  });  this.router.push(‘/home’);  } else { this.jumlahCoba += 1;  this.hasilLogin = ‘Akses ‘ + this.jumlahCoba + ‘ ditolak!’  }  }  },  setup() {  const router = useRouter(); return { router };  },  components: { IonButtons, IonContent, IonHeader, IonMenuButton, IonPage, IonTitle, IonToolbar, IonInput  }  });  </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;  } |

**MSIM4401**/MODUL 9 **9.21**

#container a {

text-decoration: none;

}

</style>

Listing 9.14

Perintah untuk *src/views/InterPlaceLogin.vue*

$ ionic start kameraGeo blank --type=vue

Listing 9.14

Perintah untuk Membuat Rerangka Ionic

Ubah kode sumber pada *src/main.ts* dengan menambahkan:

$ ionic start kamera …

…

import router from ‘./router’;

import { IonicVue } from ‘@ionic/vue’;

// camera

import { defineCustomElements } from ‘@ionic/pwa-elements/loader’;

// Call the element loader after the platform has been bootstrapped

defineCustomElements(window);

// end of camera

/\* Core CSS required for Ionic components to work properly \*/ import ‘@ionic/vue/css/core.css’;

…

… Geo blank --type=vue

Listing 9.15 Perintah untuk *src/main.ts*

Setelah itu, pada direktori *src*, ubah satu file saja: *src/views/Home.vue* menjadi seperti kode sumber berikut ini:

$ ionic start kameraGe <template >

<div class=”ion-page”>

<ion-header>

<ion-toolbar class=”toolbar-md-primary”>

<ion-title>InterPlace</ion-title>

</ion-toolbar> o blank --type=vue

</ion-header>

<ion-content padding>

<ion-list>

<ion-item

v-for=”{eventKe, eventName, index} in semuaEvent”

:key=”index”>



**MSIM4401**/MODUL 9 **9.29**

|  |
| --- |
| <table>  <tr style=”background-color:#D1D0FA”>  <td>  <strong>{{ eventKe }} - {{ eventName }}</strong>  </td>  </tr>  <tr>  <td>  <ion-button ref=”tombolFoto”  @click=”berfotoSekarang()”>Ambil Foto!</ion-button>  </td>  </tr>  <tr>  <td>  <img ref=”gambar” />  </td>  </tr>  <tr>  <td>  <strong>Waktu</strong>: {{ waktu }}<br />  <strong>Koordinat</strong>:  <ul>  <li>Latitude: {{ locLatitude }}</li>  <li>Longitude: {{ locLongitude }}</li>  </ul>  </td>  </tr>  </table>  </ion-item>  </ion-list>  </ion-content>  </div>  </template>  <script>  import { Plugins, CameraSource, CameraResultType } from “@capacitor/ core”;  import { IonItem, IonList  } from ‘@ionic/vue’;  import { Geolocation } from ‘@ionic-native/geolocation’; const { Camera } = Plugins;  export default {  name: “CameraGeo”, data() { |
| return { imageUrl: null, |



**9.30** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

|  |
| --- |
| waktu: ‘’, urutanEvent: 0, locLatitude: ‘’, locLongitude: ‘’,  semuaEvent: [{eventKe: “0”, eventName: “Event ke 0”}]  };  },  components: { IonItem, IonList  },  methods: {  async berfotoSekarang() { this.$refs.tombolFoto.disabled = true;  const currTime = new Date(); this.waktu = currTime.toString();  const isAvailable = true; if (!isAvailable) {  alert(“Device anda tidak mempunyai kamera”);  } else { try {  const image = await Camera.getPhoto({ quality: 90,  allowEditing: false,  resultType: CameraResultType.DataUrl, source: CameraSource.Prompt  });  console.log(image); this.$refs.gambar.src = image.dataUrl;  } catch (e) { console.log(“error”, e);  }  }  this.urutanEvent += 1; this.semuaEvent.push({  eventKe: this.urutanEvent.toString(),  eventName: “Event ke “ + this.urutanEvent.toString()  });  Geolocation.getCurrentPosition().then((resp) => { this.locLatitude = resp.coords.latitude this.locLongitude = resp.coords.longitude  }).catch((error) => { |
| console.log(‘Error: tidak berhasil mendapatkan lokasi ‘, error);  }); |



**MSIM4401**/MODUL 9 **9.31**

}

},

activated() { console.log(“activated”)

}

};

</script>

<style scoped> h1,

h2 {

font-weight: normal;

}

ul {

list-style-type: none; padding: 0;

}

li {

display: inline-block; margin: 0 10px;

}

a {

color: #42b983;

}

img {

width: 50%; height: auto;

}

th, td { padding: 10px; text-align: left;

}

</style>

Listing 9.16

Perintah untuk *src/views/Home.vue*

{

“name”: “InterPlace”, “version”: “0.0.1”, “private”: true, “scripts”: {

“serve”: “vue-cli-service serve”, “build”: “vue-cli-service build”, “test:unit”: “vue-cli-service test:unit”, “test:e2e”: “vue-cli-service test:e2e”, “lint”: “vue-cli-service lint”

},

“dependencies”: { “@capacitor/android”: “^2.4.6”, “@capacitor/core”: “^2.4.6”, “@ionic-native/core”: “^5.31.1”,

“@ionic-native/geolocation”: “^5.31.1”, “@ionic-native/native-geocoder”: “^5.31.1”, “@ionic-native/sqlite”: “^5.31.1”, “@ionic/pwa-elements”: “^3.0.2”, “@ionic/vue”: “^5.4.0”,

“@ionic/vue-router”: “^5.4.0”,



**MSIM4401**/MODUL 9 **9.39**

“cordova-plugin-geolocation”: “^4.1.0”, “cordova-plugin-nativegeocoder”: “^3.4.1”, “cordova-sqlite-storage”: “^5.1.0”,

“core-js”: “^3.6.5”,

“vue”: “^3.0.0-0”,

“vue-router”: “^4.0.0-0”, “vuex”: “^4.0.0”

},

“devDependencies”: { “@capacitor/cli”: “2.4.6”,

“@types/jest”: “^24.0.19”,

“@typescript-eslint/eslint-plugin”: “^2.33.0”, “@typescript-eslint/parser”: “^2.33.0”, “@vue/cli-plugin-babel”: “~4.5.0”, “@vue/cli-plugin-e2e-cypress”: “~4.5.0”, “@vue/cli-plugin-eslint”: “~4.5.0”,

“@vue/cli-plugin-router”: “~4.5.0”, “@vue/cli-plugin-typescript”: “~4.5.0”, “@vue/cli-plugin-unit-jest”: “~4.5.0”, “@vue/cli-service”: “~4.5.0”,

“@vue/compiler-sfc”: “^3.0.0-0”, “@vue/eslint-config-typescript”: “^5.0.2”, “@vue/test-utils”: “^2.0.0-0”,

“eslint”: “^6.7.2”,

“eslint-plugin-vue”: “^7.0.0-0”,

“typescript”: “~3.9.3”,

“vue-jest”: “^5.0.0-0”

},

“description”: “An Ionic project”

}

Listing 9.17 Perintah untuk *package.json*

* 1. *capacitor.config.json*

{

“appId”: “io.ionic.starter”, “appName”: “InterPlace”, “bundledWebRuntime”: false, “npmClient”: “npm”,

“webDir”: “dist”, “plugins”: { “SplashScreen”: {

“launchShowDuration”: 0

}

}, “

Listing 9.18

Perintah untuk *capacitor.config.json*



**9.40** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

* 1. *tsconfig.json*

{

“compilerOptions”: { “target”: “esnext”,

“module”: “esnext”, “strict”: true,

“jsx”: “preserve”, “importHelpers”: true, “moduleResolution”: “node”, “skipLibCheck”: true, “esModuleInterop”: true,

“allowSyntheticDefaultImports”: true, “sourceMap”: true,

“baseUrl”: “.”, “types”: [ “webpack-env”, “jest”

],

“paths”: {

“@/\*”: [ “src/\*”

]

},

“lib”: [

“esnext”,

“dom”, “dom.iterable”, “scripthost”

]

},

“include”: [ “src/\*\*/\*.ts”, “src/\*\*/\*.tsx”, “src/\*\*/\*.vue”, “tests/\*\*/\*.ts”, “tests/\*\*/\*.tsx”

],

“exclude”: [ “node\_modules”

]

}

Listing 9.19 Perintah untuk *tsconfig.json*



**MSIM4401**/MODUL 9 **9.41**

* 1. *ionic.config.json*

{

“name”: “nicePlace”, “integrations”: { “capacitor”: {}

},

“type”: “vue”

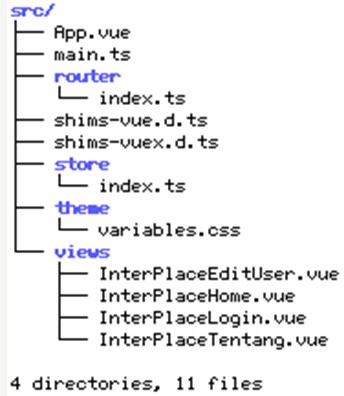
}

Listing 9.20

Perintah untuk *ionic.config.json*

## Kode Sumber

Struktur kode sumber yang terletak pada direktori *src* adalah sebagai berikut:



Gambar 9.7 Direktori dan File Aplikasi

Berikut adalah beberapa file yang terletak pada direktori *src*.

* 1. *App.vue*

<template>

<IonApp>

<IonSplitPane content-id=”main-content”>

<ion-menu content-id=”main-content” type=”overlay”>

<ion-content>

<ion-list id=”inbox-list”>

<ion-list-header>InterPlace</ion-list-header>

<ion-note>Track interesting places!</ion-note>

<ion-menu-toggle



**9.42** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

|  |
| --- |
| auto-hide=”false”  v-for=”(p, i) in appPages”  :key=”i”>  <ion-item @click=”selectedIndex = i” router-direction=”root”  :router-link=”p.url” lines=”none” detail=”false” class=”hydrated”  :class=”{ selected: selectedIndex === i }”>  <ion-icon slot=”start”  :ios=”p.iosIcon”  :md=”p.mdIcon”></ion-icon>  <ion-label>{{ p.title }}</ion-label>  </ion-item>  </ion-menu-toggle>  </ion-list>  </ion-content>  </ion-menu>  <ion-router-outlet id=”main-content”></ion-router-outlet>  </IonSplitPane>  </IonApp>  </template>  <script lang=”ts”>  import { IonApp, IonContent, IonIcon, IonItem, IonLabel, IonList, IonList- Header, IonMenu, IonMenuToggle, IonNote, IonRouterOutlet, IonSplitPane  } from ‘@ionic/vue’;  import { defineComponent, ref } from ‘vue’; import { useRoute } from ‘vue-router’; import { paw } from ‘ionicons/icons’;  import { SQLite, SQLiteObject } from ‘@ionic-native/sqlite’;  export default defineComponent({  name: ‘App’, components: { IonApp, IonContent, IonIcon, IonItem, IonLabel, IonList, IonListHeader, IonMenu,  IonMenuToggle,  IonNote |
| IonRouterOutlet, IonSplitPane, |



**MSIM4401**/MODUL 9 **9.43**

|  |
| --- |
| },  mounted() {  const conn = SQLite.create({ name: ‘ip.db’,  location: ‘default’,  });  if (conn !== null) {  conn.then((db: SQLiteObject) => {  db.executeSql(‘CREATE TABLE IF NOT EXISTS Users (uname VARCHAR(8), fname VARCHAR(32), pass VARCHAR(8))’, [])  .then(() => console.log(‘Berhasil CREATE TABLE’))  .catch(e => console.log(e.message));  })  }  },  setup() {  const selectedIndex = ref(0); const appPages = [  {  title: ‘Tentang InterPlace’, url: ‘/tentang’,  iosIcon: paw, mdIcon: paw  }  ];  const path = window.location.pathname.split(‘folder/’)[1];  if (path !== undefined) {  selectedIndex.value = appPages.findIndex(page => page.title.toLower- Case() === path.toLowerCase());  }  const route = useRoute(); return {  selectedIndex, appPages, paw,  isSelected: (url: string) => url === route.path ? ‘selected’ : ‘’  }  }  });  </script> |
| <style scoped>  ion-menu ion-content {  --background: var(--ion-item-background, var(--ion-background-color, #fff));  } |



**9.44** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

|  |
| --- |
| ion-menu.md ion-content {  --padding-start: 8px;  --padding-end: 8px;  --padding-top: 20px;  --padding-bottom: 20px;  }  ion-menu.md ion-list { padding: 20px 0;  }  ion-menu.md ion-note { margin-bottom: 30px;  }  ion-menu.md ion-list-header, ion-menu.md ion-note { padding-left: 10px;  }  ion-menu.md ion-list#inbox-list {  border-bottom: 1px solid var(--ion-color-step-150, #d7d8da);  }  ion-menu.md ion-list#inbox-list ion-list-header { font-size: 22px;  font-weight: 600;  min-height: 20px;  }  ion-menu.md ion-list#labels-list ion-list-header { font-size: 16px;  margin-bottom: 18px; color: #757575;  min-height: 26px;  }  ion-menu.md ion-item {  --padding-start: 10px;  --padding-end: 10px; border-radius: 4px;  }  ion-menu.md ion-item.selected {  --background: rgba(var(--ion-color-primary-rgb), 0.14);  } |
| ion-menu.md ion-item.selected ion-icon { color: var(--ion-color-primary);  } |



**MSIM4401**/MODUL 9 **9.45**

|  |
| --- |
| ion-menu.md ion-item ion-icon { color: #616e7e;  }  ion-menu.md ion-item ion-label { font-weight: 500;  }  ion-menu.ios ion-content {  --padding-bottom: 20px;  }  ion-menu.ios ion-list { padding: 20px 0 0 0;  }  ion-menu.ios ion-note { line-height: 24px; margin-bottom: 20px;  }  ion-menu.ios ion-item {  --padding-start: 16px;  --padding-end: 16px;  --min-height: 50px;  }  ion-menu.ios ion-item.selected ion-icon { color: var(--ion-color-primary);  }  ion-menu.ios ion-item ion-icon { font-size: 24px;  color: #73849a;  }  ion-menu.ios ion-list#labels-list ion-list-header { margin-bottom: 8px;  }  ion-menu.ios ion-list-header, ion-menu.ios ion-note { padding-left: 16px;  padding-right: 16px;  }  ion-menu.ios ion-note { margin-bottom: 8px;  } |
| ion-note {  display: inline-block; font-size: 16px; |



**9.46** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

color: var(--ion-color-medium-shade);

}

ion-item.selected {

--color: var(--ion-color-primary);

}

</style>

Listing 9.21 Perintah untuk *App.vue*

* 1. *main.ts*

import { createApp } from ‘vue’ import App from ‘./App.vue’ import router from ‘./router’;

import { IonicVue } from ‘@ionic/vue’;

// camera

import { defineCustomElements } from ‘@ionic/pwa-elements/loader’;

// Call the element loader after the platform has been bootstrapped

defineCustomElements(window);

// end of camera

/\* Core CSS required for Ionic components to work properly \*/ import ‘@ionic/vue/css/core.css’;

/\* Basic CSS for apps built with Ionic \*/ import ‘@ionic/vue/css/normalize.css’; import ‘@ionic/vue/css/structure.css’; import ‘@ionic/vue/css/typography.css’;

/\* Optional CSS utils that can be commented out \*/ import ‘@ionic/vue/css/padding.css’;

import ‘@ionic/vue/css/float-elements.css’; import ‘@ionic/vue/css/text-alignment.css’; import ‘@ionic/vue/css/text-transformation.css’; import ‘@ionic/vue/css/flex-utils.css’;

import ‘@ionic/vue/css/display.css’;

/\* Theme variables \*/

import ‘./theme/variables.css’;

import store from “./store”; const app = createApp(App)

.use(IonicVue)

.use(store)

.use(router);



**MSIM4401**/MODUL 9 **9.47**

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

});

Listing 9.22 Perintah untuk *main.ts*

* 1. *router/index.ts*

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

import InterPlaceHome from ‘../views/InterPlaceHome.vue’ import InterPlaceTentang from ‘../views/InterPlaceTentang.vue’ import InterPlaceLogin from ‘../views/InterPlaceLogin.vue’ import InterPlaceEditUser from ‘../views/InterPlaceEditUser.vue’

const routes: Array<RouteRecordRaw> = [

{

path: ‘’, redirect: ‘/login’

},

{

path: ‘/login’,

name: ‘InterPlaceLogin’, component: InterPlaceLogin

},

{

path: ‘/home’,

name: ‘InterPlaceHome’, component: InterPlaceHome

},

{

path: ‘/editUser’,

name: ‘InterPlaceEditUser’, component: InterPlaceEditUser

},

{

path: ‘/tentang’,

name: ‘InterPlaceTentang’, component: InterPlaceTentang

}

]

const router = createRouter({

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

})

export default router

Listing 9.23

Perintah untuk *router/index.ts*



**9.48** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

* 1. *shims-vue.d.ts*

declare module ‘\*.vue’ {

import { defineComponent } from ‘vue’

const component: ReturnType<typeof defineComponent>

export default component

}

Listing 9.24

Perintah untuk *shims-vue.d.ts*

* 1. *shims-vuex.d.ts*

import { Store } from ‘@/store’;// path to store file

declare module ‘@vue/runtime-core’ { interface ComponentCustomProperties {

$store: Store;

}

}

Listing 9.25

Perintah untuk *shims-vuex.d.ts*

* 1. *store/index.ts*

import { createStore } from ‘vuex’

const store = createStore({ state () {

return { iPLogin: false,

iPUserName: ‘’, iPFullName: ‘’

}

},

mutations: {

ubahKeLogin (state: any, { userName, fullName }) { state.iPLogin = true;

state.iPUserName = userName; state.iPFullName = fullName;

},

ubahKeLogout (state: any) { state.iPLogin = false; state.iPUserName = ‘’; state.iPFullName = ‘’;

}

}

});

export default store;

Listing 9.26

Perintah untuk *store/index.ts*



**MSIM4401**/MODUL 9 **9.49**

* 1. *theme/variables.css*

Tambahkan CSS untuk *image* berikut ini:

:root {

…

…

}

.img-wrapper {

min-height: 50px; width: 100%;

background-size: cover; background-repeat: no-repeat;

}

…

…

Listing 9.27

Perintah untuk *theme/variables.css*

* 1. *views/InterPlaceEditUser.vue*

<template>

<ion-page>

<ion-header :translucent=”true”>

<ion-toolbar>

<ion-buttons slot=”start”>

<ion-menu-button color=”primary”></ion-menu-button>

</ion-buttons>

<ion-title>InterPlace - Edit Data Pemakai</ion-title>

</ion-toolbar>

</ion-header>

<ion-content>

<p>Nama Pemakai (maksimal 8): <ion-input v-model=”ipUserName” /></ p>

<p>Nama Lengkap (maksimal 32): <ion-input v-model=”ipFullName” /></ p>

<p>Kata kunci: <ion-input type=”password” v-model=”ipPass” /></p>

<p>

<ion-button @click=”updateUser”>Simpan!</ion-button>

</p>

<p>Hasil: {{ hasilEdit }}</p>

<p><ion-button @click=’backHome’>Kembali</ion-button></p>

</ion-content>

</ion-page>

</template>

<script lang=”ts”>

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



**9.50** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

|  |
| --- |
| import { defineComponent } from ‘vue’;  import { useRouter } from ‘vue-router’;  import { SQLite, SQLiteObject } from ‘@ionic-native/sqlite’;  export default defineComponent ({ name: ‘InterPlaceEditUser’, data() {  return { ipUserName: ‘’, ipFullName: ‘’, ipPass: ‘’, hasilLogin: ‘’, jumlahCoba: 0, hasilEdit: ‘’  }  },  mounted() {  if (!this.$store.state.iPLogin) { this.router.push(‘/login’);  }  this.$forceUpdate();  },  methods: { backHome() {  this.router.push(‘/home’);  },  updateUser() {  if (this.ipUserName === ‘’ || this.ipFullName === ‘’ || this.ipPass === ‘’) {  this.hasilEdit = ‘Semua isian harus diisi’  } else {  const conn = SQLite.create({ name: ‘ip.db’,  location: ‘default’,  });  if (conn !== null) {  conn.then((db: SQLiteObject) => {  db.executeSql(‘UPDATE Users SET uname=?, fname=?, pass=?’, [this.ipUserName, this.ipFullName, this.ipPass])  .then((okUpdate) => {  this.hasilEdit = ‘Edit berhasil!’; |
| this.$store.commit(‘ubahKeLogin’, { userName: this.ipUserName, |



**MSIM4401**/MODUL 9 **9.51**

|  |
| --- |
| fullName: this.ipFullName  });  })  .catch(e => (this.hasilEdit = e.message));  })  } else {  this.hasilEdit = ‘Koneksi basis data gagal!’;  }  }  }  },  setup() {  const router = useRouter(); return { router };  },  components: { IonButtons, IonContent, IonHeader, IonMenuButton, IonPage, IonTitle, IonToolbar, IonInput  }  });  </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;  } |



**9.52** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

#container a {

text-decoration: none;

}

</style>

Listing 9.28

Perintah untuk *views/InterPlaceEditUser.vue*

* 1. *views/InterPlaceHome.vue*

<template>

<ion-page>

<ion-header :translucent=”true”>

<ion-toolbar>

<ion-buttons slot=”start”>

<ion-menu-button color=”primary”></ion-menu-button>

</ion-buttons>

<ion-title>InterPlace - {{ fullName }}

<p>

<ion-button color=”danger” @click=”logout”>Logout

</ion-button>

<ion-button color=”warning” @click=”editUser”>Edit User

</ion-button>

</p>

</ion-title>

</ion-toolbar>

</ion-header>

<ion-content padding>

<ion-list>

<ion-item v-for=”{eventKe, eventName, index} in semuaEvent”

:key=”index”>

<table>

<tr style=”background-color:#D1D0FA”>

<td>

<strong>{{ eventKe }} - {{ eventName }}</strong>

</td>

</tr>

<tr>

<td>

<ion-button ref=”tombolFoto” @click=”berfotoSekarang()”>Ambil Foto!</ion-button>

</td>

</tr>

<tr>

<td>

<img ref=”gambar” />

</td>



**MSIM4401**/MODUL 9 **9.53**

|  |
| --- |
| </tr>  <tr>  <td>  <strong>Waktu</strong>: {{ waktu }}<br />  <strong>Koordinat</strong>:  <ul>  <li>Latitude: {{ locLatitude }}</li>  <li>Longitude: {{ locLongitude }}</li>  </ul><br />  <strong>Lokasi</strong>:  <ul>  <li>Kode negara: {{ namaLokasi.countryCode }} </li>  <li>Kode pos: {{ namaLokasi.postalCode }} </li>  <li>Area administratif: {{ namaLokasi.administrativeArea }}</li>  <li>Sub area administratif: {{ namaLokasi.subAdministrativeArea  }}</li>  <li>Lokalitas: {{ namaLokasi.locality }}</li>  <li>Sub lokalitas: {{ namaLokasi.subLocality }}</li>  <li>Jalan raya: {{ namaLokasi.thoroughfare }}</li>  <li>Sub jalan raya: {{ namaLokasi.subThoroughfare }}</li>  </ul>  </td>  </tr>  </table>  </ion-item>  </ion-list>  </ion-content>  </ion-page>  </template>  <script>  import { IonItem, IonList, IonButtons, IonContent, IonHeader, IonMenuBut- ton, IonPage, IonTitle, IonToolbar } from ‘@ionic/vue’;  import { defineComponent } from ‘vue’;  import { useRouter } from ‘vue-router’;  import { Plugins, CameraSource, CameraResultType } from “@capacitor/ core”;  import { Geolocation } from ‘@ionic-native/geolocation’;  import { NativeGeocoder } from ‘@ionic-native/native-geocoder’ const { Camera } = Plugins;  export default defineComponent ({  name: ‘IntePlaceHome’, data() {  return {  fullName: ‘’, |
| imageUrl: null, waktu: ‘’, |



**9.54** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

urutanEvent: 0, locLatitude: ‘’, locLongitude: ‘’, namaLokasi: ‘’,

semuaEvent: [{eventKe: “0”, eventName: “Event ke 0”}]

}

},

setup() {

const router = useRouter(); return { router };

},

mounted() {

if (!this.$store.state.iPLogin) { this.router.push(‘/login’);

} else {

this.fullName = this.$store.state.iPFullName;

}

this.$forceUpdate();

},

methods: { logout() {

this.$store.commit(‘ubahKeLogout’); this.router.push(‘/login’);

},

editUser() { this.router.push(‘/editUser’)

},

async berfotoSekarang() { this.$refs.tombolFoto.disabled = true;

const currTime = new Date(); this.waktu = currTime.toString();

const isAvailable = true; if (!isAvailable) {

alert(“Device anda tidak mempunyai kamera”);

} else { try {

const image = await Camera.getPhoto({ quality: 90,

allowEditing: false,

resultType: CameraResultType.DataUrl, source: CameraSource.Prompt

});



**MSIM4401**/MODUL 9 **9.55**

|  |
| --- |
| console.log(image);  // image.base64\_data will contain the base64 encoded result as a  JPEG, with the data-uri prefix added  this.imageUrl = image.dataUrl;  // can be set to the src of an image now this.$refs.gambar.src = image.dataUrl;  } catch (e) { console.log(“error”, e);  }  }  this.urutanEvent += 1;  this.semuaEvent.push({eventKe: this.urutanEvent.toString(), event- Name: “Event ke “ + this.urutanEvent.toString()});  Geolocation.getCurrentPosition().then((resp) => { this.locLatitude = resp.coords.latitude this.locLongitude = resp.coords.longitude  const options = { useLocale: true, maxResults: 5  };  NativeGeocoder.reverseGeocode(resp.coords.latitude, resp.coords. longitude, options)  .then((result)=>  ( this.namaLokasi = result[0] )  ).catch((error) => (this.namaLokasi = error));  }).catch((error) => {  console.log(‘Error: tidak berhasil mendapatkan lokasi ‘, error);  });  }  },  activated() { console.log(“activated”)  },  components: { IonItem, IonList, IonButtons, IonContent, IonHeader,  IonMenuButton,  IonPage, |
| IonTitle, IonToolbar |



**9.56** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

}

});

</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;

}

h1,

h2 {

font-weight: normal;

}

ul {

list-style-type: none; padding: 0;

}

li {

display: inline-block; margin: 0 10px;

}

a {

color: #42b983;

}

img {

width: 50%; height: auto;

}



**MSIM4401**/MODUL 9 **9.57**

th, td { padding: 10px; text-align: left;

}

</style>

Listing 9.29

Perintah untuk *views/InterPlaceHome.vue*

* 1. *views/InterPlaceLogin.vue*

<template>

<ion-page>

<ion-header :translucent=”true”>

<ion-toolbar>

<ion-buttons slot=”start”>

<ion-menu-button color=”primary”></ion-menu-button>

</ion-buttons>

<ion-title>InterPlace Login:</ion-title>

</ion-toolbar>

</ion-header>

<ion-content>

<p>Nama: <ion-input v-model=”ipName”></ion-input></p>

<p>Kata kunci: <ion-input type=”password” v-model=”ipPass”></ion-in- put></p>

<p>

<ion-button @click=”validasi”>Validasi!</ion-button>

</p>

<p>Status login: {{ hasilLogin }}</p>

</ion-content>

</ion-page>

</template>

<script lang=”ts”>

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

import { defineComponent } from ‘vue’;

import { useRouter } from ‘vue-router’;

import { SQLite, SQLiteObject } from ‘@ionic-native/sqlite’;

export default defineComponent ({

name: ‘InterPlaceLogin’, data() {

return { ipName: ‘’,



**9.58** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

|  |
| --- |
| ipPass: ‘’, hasilLogin: ‘’, jumlahCoba: 0, unameDb: ‘’,  fnameDb: ‘’,  passDb: ‘’, hasilSQL: ‘’  }  },  methods: { validasi() {  if (this.ipName === this.unameDb && this.ipPass === this.passDb ) { this.$store.commit(‘ubahKeLogin’, {  userName: this.unameDb, fullName: this.fnameDb  });  this.router.push(‘/home’);  } else { this.jumlahCoba += 1;  this.hasilLogin = ‘Akses ke ‘ + this.jumlahCoba + ‘ ditolak!’  }  }  },  setup() {  const router = useRouter(); return { router };  },  mounted() {  const conn = SQLite.create({ name: ‘ip.db’,  location: ‘default’,  });  if (conn !== null) {  conn.then((db: SQLiteObject) => { db.executeSql(‘SELECT \* FROM Users’, [])  .then((okSelect: any) => {  if (okSelect.rows.length < 1) {  db.executeSql(‘INSERT INTO Users VALUES (?,?,?)’, [‘user1’, ‘User 1’, ‘pass1’])  .then(() => { this.unameDb = ‘user1’; this.fnameDb = ‘User 1’; this.passDb = ‘pass1’;  }) |
| } else {  this.unameDb = okSelect.rows.item(0).uname; this.fnameDb = okSelect.rows.item(0).fname; |



**MSIM4401**/MODUL 9 **9.59**

this.passDb = okSelect.rows.item(0).pass;

}

}).catch(e => (this.hasilSQL = e.message));

})

} else {

this.hasilSQL = ‘Koneksi basis data gagal!’;

}

this.$forceUpdate();

},

components: { IonButtons, IonContent, IonHeader, IonMenuButton, IonPage, IonTitle, IonToolbar, IonInput

}

});

</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;

}

</style>

Listing 9.30

Perintah untuk *views/InterPlaceLogin.vue*



**9.60** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

$ ionic cap add android

$ ionic cap sync

$ cd android

$ gradle assembleDebug

Listing 9.31 Perintah untuk Membuat SPK

$ **adb devices -l**

List of devices attached

KBGALZGY99999999 device usb:1-1 product:CPH1605 mod- el:CPH1605 device:CPH1605 transport\_id:27

$ **adb install app-debug.apk**

Performing Push Install

app-debug.apk: 1 file pushed, 0 skipped. 7.6 MB/s (9740337 bytes in

1.223s)

pkg: /data/local/tmp/app-debug.apk

Success

$

Listing 9.32

Perintah untuk *Install* Aplikasi ke *Mobile Phone*



**MSIM4401**/MODUL 9 **9.61**

…

…

import InterPlaceLogin from ‘../views/InterPlaceLogin.vue’ import InterPlaceEditUser from ‘../views/InterPlaceEditUser.vue’

const routes: Array<RouteRecordRaw> = [

…

…

component: InterPlaceHome

},

{

path: ‘/editUser’,

name: ‘InterPlaceEditUser’, component: InterPlaceEditUser

},

{

path: ‘/tentang’,

…

…

Listing 9.33

Perintah untuk *src/router/index.ts*

*src/views/InterPlaceHome.vue*

<template>

…

…

<ion-title>InterPlace - {{ fullName }}

<p>

<ion-button color=”danger” @click=”logout”>Logout

</ion-button>

<ion-button color=”warning” @click=”editUser”>Edit User

</ion-button>

</p>

</ion-title> …

…

},

methods: { logout() {



**MSIM4401**/MODUL 9 **9.75**

this.$store.commit(‘ubahKeLogout’); this.router.push(‘/login’);

},

editUser() { this.router.push(‘/editUser’)

}

},

components: {

…

…

Listing 9.34

Perintah untuk *src/views/InterPlaceHome.vue*

*src/views/InterPlaceEditUser.vue*

<template>

<ion-page>

<ion-header :translucent=”true”>

<ion-toolbar>

<ion-buttons slot=”start”>

<ion-menu-button color=”primary”></ion-menu-button>

</ion-buttons>

<ion-title>InterPlace - Edit Data Pemakai</ion-title>

</ion-toolbar>

</ion-header>

<ion-content>

<p>Nama Pemakai (maksimal 8):

<ion-input

v-model=”ipUserName”>{{ unameDb }}

</ion-input></p>

<p>Nama Lengkap (maksimal 32):

<ion-input v-model=”ipFullName”>{{ fnameDb }}

</ion-input></p>

<p>Kata kunci:

<ion-input type=”password”

v-model=”ipPass”>{{ passDb }}</ion-input></p>

<p>

<ion-button @click=”updateUser”>Simpan!</ion-button>

</p>

<p>Hasil: {{ hasilEdit }}</p>

<p><ion-button @click=’backHome’>Kembali</ion-button></p>

</ion-content>

</ion-page>

</template>



**9.76** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

|  |
| --- |
| <script lang=”ts”>  import { IonInput, IonButtons, IonContent, IonHeader, IonMenuButton, IonPage, IonTitle, IonToolbar } from ‘@ionic/vue’;  import { defineComponent } from ‘vue’;  import { useRouter } from ‘vue-router’;  import { SQLite, SQLiteObject } from ‘@ionic-native/sqlite’;  export default defineComponent ({ name: ‘InterPlaceEditUser’, data() {  return { ipUserName: ‘’, ipFullName: ‘’, ipPass: ‘’, hasilLogin: ‘’, jumlahCoba: 0, unameDb: ‘’,  fnameDb: ‘’,  passDb: ‘’, hasilEdit: ‘’  }  },  mounted() {  if (!this.$store.state.iPLogin) { this.router.push(‘/login’);  }  const conn = SQLite.create({ name: ‘ip.db’,  location: ‘default’,  });  if (conn !== null) {  conn.then((db: SQLiteObject) => { db.executeSql(‘SELECT \* FROM Users’, [])  .then((okSelect: any) => {  this.unameDb = okSelect.rows.item(0).uname; this.fnameDb = okSelect.rows.item(0).fname; this.passDb = okSelect.rows.item(0).pass;  })  .catch(e => (this.hasilEdit = e.message));  })  } else {  this.hasilEdit = ‘Koneksi basis data gagal!’;  } |
| IonPage, IonTitle, IonToolbar, IonInput |



**MSIM4401**/MODUL 9 **9.77**

}

});

</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;

}

</style>

Listing 9.35

Perintah untuk *src/views/InterPlaceEditUser.vue*

## KEGIATAN BELAJAR 9.2

Kode sumber untuk komponen tersebut adalah sebagai berikut:

<template >

<div class=”ion-page”>

<ion-header>

<ion-toolbar class=”toolbar-md-primary”>

<ion-title>InterPlace</ion-title>

</ion-toolbar>

</ion-header>

<ion-content padding>

<ion-list>

<ion-item



**9.78** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

|  |
| --- |
| v-for=”{eventKe, eventName, index} in semuaEvent” :key=”index”>  <table>  <tr style=”background-color:#D1D0FA”>  <td>  <strong>{{ eventKe }} - {{ eventName }}</strong>  </td>  </tr>  <tr>  <td>  <ion-button ref=”tombolFoto”  @click=”berfotoSekarang()”>Ambil Foto!  </ion-button>  </td>  </tr>  <tr>  <td>  <img ref=”gambar” />  </td>  </tr>  <tr>  <td>  <strong>Waktu</strong>: {{ waktu }}<br />  <strong>Koordinat</strong>:  <ul>  <li>Latitude: {{ locLatitude }}</li>  <li>Longitude: {{ locLongitude }}</li>  </ul><br />  <strong>Lokasi</strong>:  <ul>  <li>Kode negara: {{ namaLokasi.countryCode }} </li>  <li>Kode pos: {{ namaLokasi.postalCode }} </li>  <li>Area administratif:  {{ namaLokasi.administrativeArea }}</li>  <li>Sub area administratif:  {{ namaLokasi.subAdministrativeArea }}</li>  <li>Lokalitas: {{ namaLokasi.locality }}</li>  <li>Sub lokalitas: {{ namaLokasi.subLocality }}</li>  <li>Jalan raya: {{ namaLokasi.thoroughfare }}</li>  <li>Sub jalan raya: {{ namaLokasi.subThoroughfare }}</li>  </ul>  </td>  </tr>  </table>  </ion-item>  </ion-list>  </ion-content>  </div>  </template> |
| <script>  import { Plugins, CameraSource, CameraResultType } from “@capacitor/ core”; |



**MSIM4401**/MODUL 9 **9.79**

|  |
| --- |
| import { IonItem, IonList  } from ‘@ionic/vue’;  import { Geolocation } from ‘@ionic-native/geolocation’;  import { NativeGeocoder, NativeGeocoderResult, NativeGeocoderOptions } from ‘@ionic-native/native-geocoder’  const { Camera } = Plugins;  export default { name: “Kamera”, data() {  return { imageUrl: null, waktu: ‘’, urutanEvent: 0, locLatitude: ‘’, locLongitude: ‘’, namaLokasi: ‘’,  semuaEvent: [{eventKe: “0”, eventName: “Event ke 0”}]  };  },  components: { IonItem, IonList  },  methods: {  async berfotoSekarang() { this.$refs.tombolFoto.disabled = true;  const currTime = new Date(); this.waktu = currTime.toString();  const isAvailable = true; if (!isAvailable) {  alert(“Device anda tidak mempunyai kamera”);  } else { try {  const image = await Camera.getPhoto({ quality: 90,  allowEditing: false,  resultType: CameraResultType.DataUrl, source: CameraSource.Prompt  });  console.log(image); |
| this.imageUrl = image.dataUrl; this.$refs.gambar.src = image.dataUrl; |



**9.80** Praktikum Akses Data, *Native-API Plugins*, dan Aplikasi Terintegrasi

|  |
| --- |
| } catch (e) { console.log(“error”, e);  }  }  this.urutanEvent += 1; this.semuaEvent.push({  eventKe: this.urutanEvent.toString(), eventName: “Event ke “ + this.urutanEvent.toString()});  Geolocation.getCurrentPosition().then((resp) => { this.locLatitude = resp.coords.latitude this.locLongitude = resp.coords.longitude  const options = { useLocale: true, maxResults: 5  };  NativeGeocoder.reverseGeocode( resp.coords.latitude, resp.coords.longitude,  options)  .then((result)=>  /\* ( this.namaLokasi = JSON.stringify(result[0]) ) \*/ ( this.namaLokasi = result[0] )  ).catch((error) => (this.namaLokasi = error));  }).catch((error) => {  console.log(‘Error: tidak berhasil mendapatkan lokasi ‘, error);  });  }  },  activated() { console.log(“activated”)  }  };  </script>  <style scoped> h1,  h2 {  font-weight: normal;  }  ul {  list-style-type: none; padding: 0;  } |
| li {  display: inline-block; |



**MSIM4401**/MODUL 9 **9.81**

margin: 0 10px;

}

a {

color: #42b983;

}

img {

width: 50%; height: auto;

}

th, td { padding: 10px; text-align: left;

}

</style>

Listing 9.36 Perintah untuk



$ cordova-res android --skip-config --copy

Listing 9.37 Perintah untuk *cordova-res*

$ cd android

$ gradle assembleDebug

Listing 9.38

Perintah untuk Penggunaan Gradle