

**TUGAS
PRAKTIKUM PEMROGRAMAN ANDROID**

OLEH:

**OKTA PILOPA
2310010066**



**FAKULTAS TEKNOLOGI INFORMASI
UNIVERSITAS ISLAM KALIMANTAN (UNISKA)
MUHAMMAD ARSYAD AL BANJARI**

2024

Code

Link Github: <https://github.com/v3nd3tt4/PraktikumAndroid.git>

1. app/(tabs)/_layout.tsx

```
import { Tabs } from "expo-router";
import FontAwesome from "@expo/vector-icons/FontAwesome";

export default function TabLayout() {
  return (
    <Tabs screenOptions={{headerShadowVisible:false}}>
      <Tabs.Screen name="index" options={{
        title:'Home',
        tabBarIcon:({color})=>(
          <FontAwesome name="home" size={18} color={color}/>
        )
      }}/>
      <Tabs.Screen name="users" options={{
        title:'Users',
        tabBarIcon:({color})=>(
          <FontAwesome name="users" size={18} color={color}/>
        )
      }}/>
      <Tabs.Screen name="about" options={{
        title:'About',
        tabBarIcon:({color})=>(
          <FontAwesome name="info-circle" size={18} color={color}/>
        )
      }}/>
    </Tabs>
  );
}
```

2. app/(tabs)/about.tsx

```
import { StyleSheet, View } from "react-native";
import Profil from "@components/Profil";

export default function About(){
  return (
    <View style={styles.container}>
      <Profil/>
    </View>
  );
}
```

```

    );
  }

  const styles = StyleSheet.create({
    container:{
      flex:1,
      padding:16,
      backgroundColor:'#fff'
    }
  })

```

3. app/(tabs)/index.tsx

```

import { FlatList, StyleSheet, Text, View } from "react-native";
import { Image } from "expo-image";
import Card from "@components/Card";

const LocalImage = require('@assets/images/08.jpeg');

const dataCard = require('@assets/dataCard.json');

export default function Index() {
  return (
    <View
      style={styles.container}
    >
      <FlatList
        data={dataCard.posts}
        renderItem={({item, index})=>(
          <Card
            id = {item.id}
            sumberGambar={item.sumberGambar}
            judul={item.judul}
            keterangan={item.keterangan}
          />
        )}
      />
    </View>
  );
}

const styles = StyleSheet.create({
  container: {
    padding: 16,

```

```
},  
});
```

4. app/(tabs)/users.tsx

```
import { FlatList, StyleSheet, View } from "react-native";  
  
import Card from "@components/Card";  
import { GetUsers } from "../api/GetUsers";  
import { useState } from "react";  
  
export default function Users() {  
  const [data, setData] = useState(null);  
  
  GetUsers  
    .then(result => {  
      setData(result?.data.data);  
    });  
  
  return (  
    <View style={styles.container}>  
      <FlatList  
        data={data}  
        renderItem={({ item, index }) => (  
          <Card  
            id={item.id}  
            sumberGambar={item.avatar}  
            judul={item.first_name}  
            keterangan={item.last_name}  
          />  
        )}  
      />  
    </View>  
  );  
}  
  
const styles = StyleSheet.create({  
  container: {  
    padding: 16,  
  },  
});
```

5. app/api/ApiManager.tsx

```
import axios from "axios";

const ApiManager = axios.create({
  baseURL: 'https://reqres.in/api',
  responseType: 'json'
});

export default ApiManager;
```

6. app/api/GetUsers.tsx

```
import { AxiosRequestConfig, AxiosResponse, RawAxiosRequestHeaders } from
"axios";
import ApiManager from "../ApiManager";

export const GetUsers = (async () => {
  const config: AxiosRequestConfig = {
    method: 'GET',
    headers: {
      'content-type': 'application/json',
    } as RawAxiosRequestHeaders,
  };
  try {
    const response: AxiosResponse = await ApiManager.get(`/users?page=1`,
config);
    return response;
  } catch (err) {
    console.log(err);
  }
})();
```

7. app/details/[id].tsx

```
import { Image } from "expo-image";
import { useLocalSearchParams } from "expo-router";
import { StyleSheet, Text, View } from "react-native";

const dataCard = require('@assets/dataCard.json');

type Post = {
  id: number,
  sumberGambar: string,
  judul: string,
  keterangan: string
}
```

```

export default function Detail(){
  const {id} = useLocalSearchParams<{id:string}>();
  const filteredData = dataCard.posts.filter((item:Post)=>{
    let idNumber : number
    idNumber = +id
    if(item.id == idNumber){
      return item
    }
  });

  return(
    <View style={styles.container}>
      <Image style={styles.image}
source={filteredData[0].sumberGambar}></Image>
      <Text style={styles.judul}>{filteredData[0].judul}</Text>
      <Text style={styles.keterangan}>{filteredData[0].keterangan}</Text>
    </View>
  )
}

const styles = StyleSheet.create({
  container: {
    flex: 1,
  },
  bottom: {
    padding: 24,
    backgroundColor: "#fff",
    borderRadius: 24,
    position: "absolute",
    marginTop: 330,
    width: "100%",
    height: "100%",
  },
  image: {
    width: "100%",
    height: "60%",
  },
  judul: {
    fontSize: 24,
    fontWeight: "bold",
    marginBottom: 24,
  },
  keterangan: {
    fontSize: 16,

```

```

        marginBottom: 24,
      }
    });

```

8. app/layout.tsx

```

import { Stack } from "expo-router";

export default function RootLayout(){
  return (
    <Stack>
      <Stack.Screen name="(tabs)" options={{headerShown:false}}/>
      <Stack.Screen name="details/[id]" options={{
        headerTitle:'Detail',
        headerTransparent: true,
        headerTintColor: '#fff',
      }}/>
    </Stack>
  );
}

```

9. assets/dataCard.json

```

{
  "error":false,
  "message": "Berhasil ambil data",
  "posts":[
    {
      "id" : 1,
      "sumberGambar": "https://mirzayogy.github.io/assets/image/08.jpeg",
      "judul": "Luar Masjid Nabawi",
      "keterangan" : "Pemandangan hotel di luar Masjid Nabawi"
    },
    {
      "id" : 2,
      "sumberGambar": "https://mirzayogy.github.io/assets/image/02.jpeg",
      "judul": "Senja Masjid Nabawi",
      "keterangan" : "Masjid Nabawi ketika senja melanda"
    },
    {
      "id" : 3,
      "sumberGambar": "https://mirzayogy.github.io/assets/image/09.jpeg",
      "judul": "Masjid Nabawi Pagi",
      "keterangan" : "Pemandangan Masjid Nabawi di pagi hari"
    },
  ],
}

```

```

    {
      "id" : 4,
      "sumberGambar": "https://mirzayogy.github.io/assets/image/03.jpeg",
      "judul": "Payung Senja",
      "keterangan" : "Payung Masjid Nabawi yang sedang tertutup"
    }
  ]
}

```

10. components/Card.tsx

```

import { Pressable, StyleSheet, Text, View } from "react-native";
import { Image } from "expo-image";
import { router, Router } from "expo-router";

type Props = {
  id:number,
  sumberGambar : string,
  judul: string,
  keterangan:string,
}

const PlaceholderImage = require('@assets/images/08.jpeg')

export default function Card({id, sumberGambar, judul, keterangan}: Props){
  const imageSource = sumberGambar?{uri:sumberGambar} : PlaceholderImage;
  return(
    <Pressable onPress={()=>
      router.push({
        pathname: "./details/[id]",
        params: {id:id}
      })
    }>
    <View style={styles.panel}>
      <Image style={styles.image} source={imageSource}></Image>
      <View>
        <Text style={styles.textWhite}>{judul}</Text>
        <Text style={styles.textWhiteKecil}>{keterangan}</Text>
      </View>
    </View>
    </Pressable>
  )
}

```



```

const styles = StyleSheet.create({
  container: {
    padding: 16,
  },
  panel:{
    backgroundColor: '#25292e',
    padding: 24,
    borderRadius: 16,
    marginBottom: 16,
    flexDirection:'row',
    alignItems:'center',
  },
  textWhite:{
    fontSize: 20,
    color:'#fff'
  },
  textWhiteKecil:{
    fontSize:12,
    color:'#fff'
  },
  image:{
    width:80,
    height: 60,
    marginEnd: 24
  },
});

```

11. components/Profil.tsx

```

import { StyleSheet, Text, View } from "react-native";
import { Image } from "expo-image";

const profileImage = require('@assets/images/snappy.png')

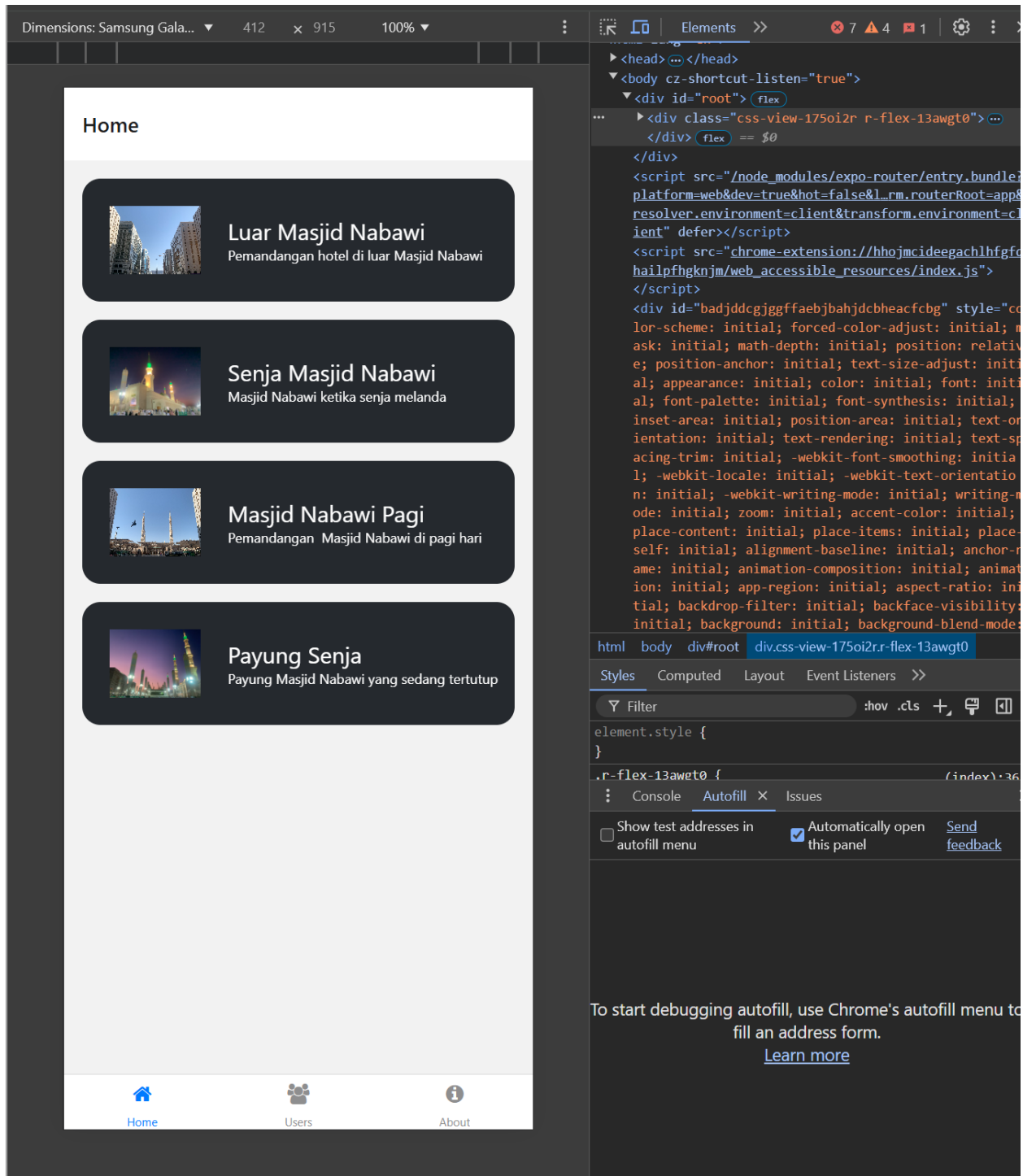
export default function Profil(){
  return (
    <View style={styles.profil}>
      <Image source={profileImage} style={styles.gambarProfil}/>
      <View style={styles.teksContainer}>
        <Text style={styles.teksTebal}>Snappy Professor</Text>
        <Text>always@email.com</Text>
        <Text>+62816564142</Text>
      </View>
    </View>
  )
}

```

```
)  
}  
  
const styles = StyleSheet.create({  
  gambarProfil:{  
    width: 50,  
    height: 50,  
    borderRadius: 25,  
    marginEnd: 12,  
  },  
  profil:{  
    flexDirection: 'row',  
    alignItems: 'center',  
    padding: 6,  
    height: 72,  
  },  
  teksTebal:{  
    fontWeight:'bold',  
    fontSize:18,  
  },  
  teksContainer:{  
    justifyContent:'space-around',  
    flex:1,  
    height:'100%'  
  }  
})
```

Hasil


1. Home




2. Users

Dimensions: Samsung Gala... 412 x 915 100%


Users




George
Bluth



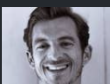
Janet
Weaver




Emma
Wong



Eve
Holt



Charles
Morris



Tracey
Ramos

Home Users About

Elements

<head> </head>
<body cz-shortcut-listen="true">
 <div id="root"> flex
 <div class="css-view-175oi2r r-flex-13awgt0">
 </div> flex == \$0
 </div>
 <script src="/node_modules/expo-router/entry.bundle?platform=web&dev=true&hot=false&...</script>
 <script src="chrome-extension://hhojmcideegachlhfgfdhailpfhgknjm/web_accessible_resources/index.js"></script>
 <div id="badjddcgjggffaebjbahjdcbeacfcbg" style="color-scheme: initial; forced-color-adjust: initial; margin: initial; math-depth: initial; position: relative; position-anchor: initial; text-size-adjust: initial; appearance: initial; color: initial; font: initial; font-palette: initial; font-synthesis: initial; inset-area: initial; position-area: initial; text-orientation: initial; text-rendering: initial; text-spacing-trim: initial; -webkit-font-smoothing: initial; -webkit-locale: initial; -webkit-text-orientation: initial; -webkit-writing-mode: initial; writing-mode: initial; zoom: initial; accent-color: initial; place-content: initial; place-items: initial; place-self: initial; alignment-baseline: initial; anchor-name: initial; animation-composition: initial; animation: initial; app-region: initial; aspect-ratio: initial; backdrop-filter: initial; backface-visibility: initial; background: initial; background-blend-mode:...

html body div#root div.css-view-175oi2r.r-flex-13awgt0

Styles Computed Layout Event Listeners

Filter :hov .cls +, , ,

element.style {
}
.r-flex-13awgt0 {
 (index): 36
 Console Autofill Issues


☐ Show test addresses in autofill menu ☒ Automatically open this panel [Send feedback](#)

To start debugging autofill, use Chrome's autofill menu to fill an address form.
[Learn more](#)

The image is a composite screenshot showing a mobile application interface on the left and its development tools on the right. The mobile app, titled 'About', features a profile picture of a man, the name 'Snappy Professor', and contact information: 'always@email.com' and '+62816564142'. At the bottom of the app are three navigation icons: a house for 'Home', a group of people for 'Users', and an information icon for 'About'. The right side of the image displays the 'Elements' panel of a web browser's developer tools. It shows the HTML structure of the app's 'About' page, including a head section, a body with a shortcut listener, a root div with flex properties, and a specific div with a class 'css-view-175oi2r r-flex-13awgt0'. Below the HTML, the 'Styles' panel shows the default initial values for various CSS properties like color, font, and background. At the bottom right, there is a text overlay that reads: 'To start debugging autofill, use Chrome's autofill menu to fill an address form. [Learn more](#)'.

4. Detail

← Detail



Luar Masjid Nabawi

Pemandangan hotel di luar Masjid Nabawi

Elements

<head>...</head>
<body cz-shortcut-listen="true">
 <div id="root"> (flex)
 <div class="css-view-175oi2r r-flex-13awgt0">...
 <div> (flex) == \$0
 </div>
 <script src="/node_modules/expo-router/entry.bundle?platform=web&dev=true&hot=false&1.rm.routerRoot=app&resolver.environment=client&transform.environment=client" defer></script>
 <script src="//hhojmcideegachlhfgdhailpfhgnjm/web_accessible_resources/index.js"></script>
 <div id="badjddcgjggffaejbahjdcbeacfcbg" style="color-scheme: initial; forced-color-adjust: initial; mask: initial; math-depth: initial; position: relative; position-anchor: initial; text-size-adjust: initial; appearance: initial; color: initial; font: initial; font-palette: initial; font-synthesis: initial; inset-area: initial; position-area: initial; text-orientation: initial; text-rendering: initial; text-spacing-trim: initial; -webkit-font-smoothing: initial; -webkit-locale: initial; -webkit-text-orientation: initial; -webkit-writing-mode: initial; writing-mode: initial; zoom: initial; accent-color: initial; place-content: initial; place-items: initial; place-self: initial; alignment-baseline: initial; anchor-name: initial; animation-composition: initial; animation: initial; app-region: initial; aspect-ratio: initial; backdrop-filter: initial; backface-visibility: initial; background: initial; background-blend-mode:...

html body div#root div.css-view-175oi2r-r-flex-13awgt0

Styles Computed Layout Event Listeners >>

Filter :hov .cls +, ,

element.style {
}

.r-flex-13awgt0 {
 (index): 36

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