Nama   : Muhammad Rozin Asy Syaddad
NIM   : 120140006
Kelas   : Pengembangan Aplikasi Mobile RA

UJIAN TENGAH SEMESTER
PENGEMBANGAN APLIKASI MOBILE

Link GitHub : https://github.com/RozKoy/UTS-Mobile-App

File Utama untuk mengintegrasikan seluruh page yang ada (./App.js)

```javascript
import { NavigationContainer } from '@react-navigation/native';
import { createNativeStackNavigator } from '@react-navigation/native-stack';

import Home from './components/Home';
import Detail from './components/Detail';
import Profile from './components/Profile';

const Stack = createNativeStackNavigator();

export default function App() {
  return (
    <NavigationContainer>
      <Stack.Navigator initialRouteName="Home">
        <Stack.Screen
          name="Home"
          component={Home}
          options={{ headerShown: false }}
        />
        <Stack.Screen
          name="Detail"
          component={Detail}
          options={{ headerShown: false }}
        />
        <Stack.Screen
          name="Profile"
          component={Profile}
          options={{ headerShown: false }}
        />
      </Stack.Navigator>
    </NavigationContainer>
  );
}
```

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Home Page yang menampilkan pilihan untuk membuka my story atau my profile (./components/Home.js)

```jsx
import {
  StyleSheet,
  Text,
  View,
  TouchableOpacity,
} from 'react-native';

export default Home = ({ navigation }) => {
  return (
    <View style={styles.container}>
      <View style={styles.header}>
        <Text style={styles.title}>My Story</Text>
      </View>
      <View style={styles.body}>
        <TouchableOpacity onPress={() => navigation.navigate('Detail')}>
          <Text style={styles.button}>Play</Text>
        </TouchableOpacity>
        <TouchableOpacity onPress={() => navigation.navigate('Profile')}>
          <Text style={styles.button}>My Profile</Text>
        </TouchableOpacity>
      </View>
    </View>
  );
};

const styles = StyleSheet.create({
  container: {
    alignItems: 'center',
    flex: 1,
    overflow: 'hidden',
  },

  header: {
    width: '100%',
    backgroundColor: '#bbb',
    padding: 30,
  },
  title: {
    color: '#fff',
    margin: 'auto',
    fontSize: 30,
    fontWeight: 'bold',
```

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```
  },

  body: {
    margin: 'auto',
    alignItems: 'center',
  },
  button: {
    backgroundColor: '#fff',
    borderRadius: '5px',
    padding: 10,
    margin: 5,
    width: 100,
    textAlign: 'center',
  },
});
```

Detail Page yang menggunakan API Expo yaitu Audio dengan mengilustrasikan contoh sederhana dalam memutar rekaman suara yang berisi cerita (./components/Detail.js)

```
import * as React from 'react';
import {
  TouchableOpacity,
  View,
  StyleSheet,
  Text,
  Button,
} from 'react-native';
import { AntDesign } from '@expo/vector-icons';
import { Audio } from 'expo-av';

export default Detail = ({ navigation }) => {
  const [sound, setSound] = React.useState();

  async function playSound() {
    console.log('Loading Sound');
    const { sound } = await
Audio.Sound.createAsync(require('../assets/audio/sound.mp3')
    );
    setSound(sound);

    console.log('Playing Sound');
    await sound.playAsync();
  }
```

```jsx
  React.useEffect(() => {
    return sound
      ? () => {
          console.log('Unloading Sound');
          sound.unloadAsync();
        }
      : undefined;
  }, [sound]);

  return (
    <View style={styles.container}>
      <View style={styles.header}>
        <TouchableOpacity
          style={styles.button}
          onPress={() => navigation.goBack()}>
          <AntDesign name="arrowleft" size={30} color="#fff" />
        </TouchableOpacity>
        <Text style={styles.heading}>My Music</Text>
      </View>
      <View style={styles.body}>
        <Text style={styles.text}>Hello!!! My name is Muhammad Rozin Asy
Syaddad. I am an Informatics Engineering Student in Institut Teknologi
Sumatera with 1+ years of WEB Developer in FullStack Engineering
Position</Text>
        <Button title="Play Sound" onPress={playSound} />
      </View>
    </View>
  );
};

const styles = StyleSheet.create({
  header: {
    backgroundColor: '#bbb',
    flex: 1,
    flexDirection: 'row',
    paddingTop: 30,
    paddingBottom: 30,
    height: 100,
  },
  button: {
    left: 20,
    top: 10,
  },
  heading: {
    color: '#fff',
    fontSize: 30,
```

```
    marginLeft: 'auto',
    marginRight: 'auto',
    fontWeight: 'bold',
  },

  body: {
    margin: 'auto',
    marginLeft: 10,
    marginRight: 10,
    backgroundColor: 'white',
    borderRadius: '5px',
    padding: 10,
    top: 100,
    textAlign: 'center',
  },
  text: {
    marginBottom: 20,
  },
});
```

Profile Page yang menampilkan informasi mengenai data diri pembuat atau saya sendiri (./components/Profile.js)

```jsx
import {
  TouchableOpacity,
  View,
  StyleSheet,
  Text,
  Image,
} from 'react-native';
import { AntDesign } from '@expo/vector-icons';

export default Profile = ({ navigation }) => {
  return (
    <View style={styles.container}>
      <View style={styles.header}>
        <TouchableOpacity
          style={styles.button}
          onPress={() => navigation.goBack()}>
          <AntDesign name="arrowleft" size={30} color="#fff" />
        </TouchableOpacity>
        <Text style={styles.heading}>My Profile</Text>
      </View>
      <View style={styles.body}>
```

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```jsx
        <Image style={styles.image}
source={require('../assets/rozin.jpg')}></Image>
        <Text style={styles.p}>Muhammad Rozin Asy Syaddad</Text>
        <Text style={styles.p}>120140006</Text>
        <Text style={styles.p}>Pengembangan Aplikasi Mobile RA</Text>
      </View>
    </View>
  );
};

const styles = StyleSheet.create({
  header: {
    backgroundColor: '#bbb',
    flex: 1,
    flexDirection: 'row',
    paddingTop: 30,
    paddingBottom: 30,
    height: 100,
  },
  button: {
    left: 20,
    top: 10,
  },
  heading: {
    color: '#fff',
    fontSize: 30,
    marginLeft: 'auto',
    marginRight: 'auto',
    fontWeight: 'bold',
  },

  body: {
    margin: 'auto',
    backgroundColor: 'white',
    borderRadius: '5px',
    padding: 10,
    top: 100,
    textAlign: 'center',
  },
  image: {
    borderRadius: 5,
    margin: 'auto',
    width: 200,
    height: 200,
    marginBottom: 10,
  },
```
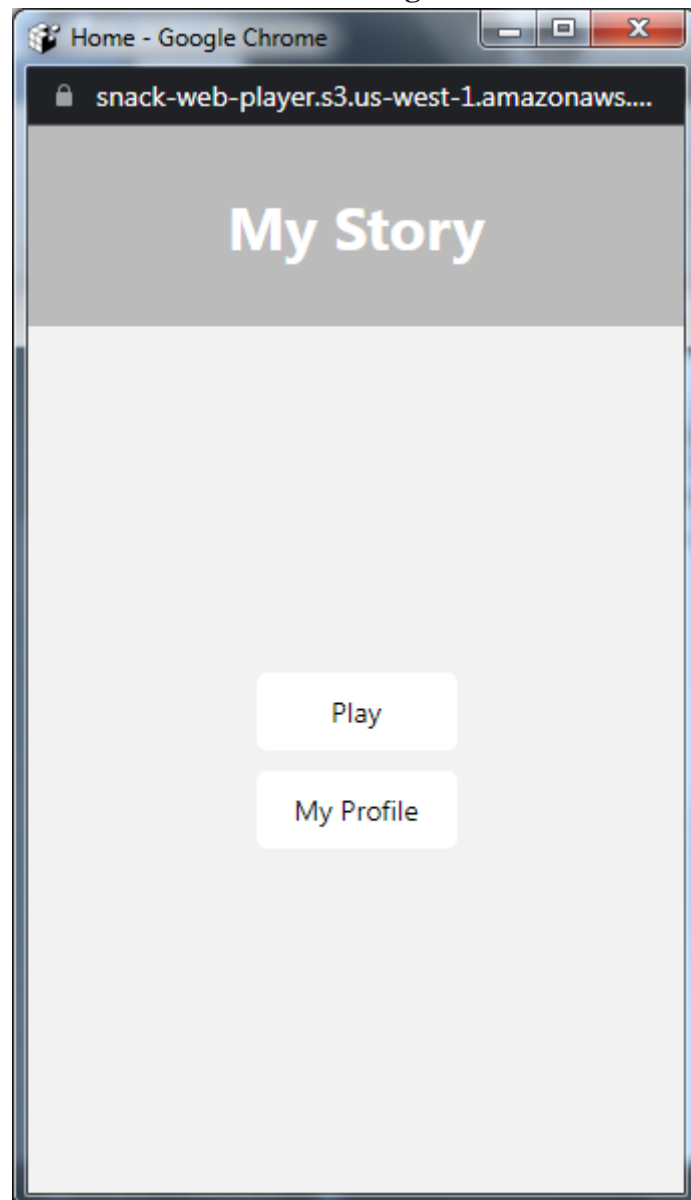
Nama   : Muhammad Rozin Asy Syaddad
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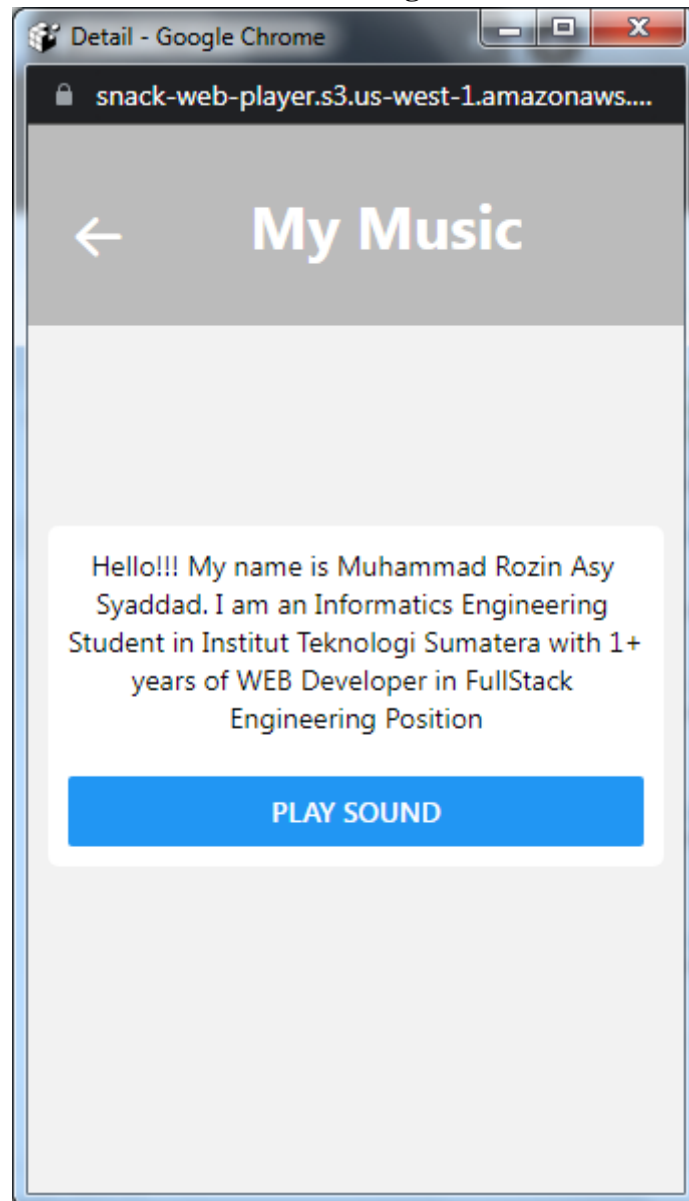Kelas   : Pengembangan Aplikasi Mobile RA

```
  p: {
    padding: 5,
  },
});
```

Home Page

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Detail Page

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Profile Page