📄 FILE-BY-FILE CODE (REAL & CLEAN)

◆ **App.js**

```
import React from 'react';
import HomeScreen from './screens/HomeScreen';

export default function App() {
  return <HomeScreen />;
}
```

◆ **screens/HomeScreen.js**

```
import React from 'react';
import { View, StatusBar } from 'react-native';
import MapView, { Marker, Polyline } from 'react-native-maps';
import BottomSheet from '../components/BottomSheet';

export default function HomeScreen() {
  const fastRoute = [
    { latitude: 28.6139, longitude: 77.2090 },
    { latitude: 28.6200, longitude: 77.2150 },
  ];

  const safeRoute = [
    { latitude: 28.6139, longitude: 77.2090 },
    { latitude: 28.6180, longitude: 77.2250 },
  ];

  return (
    <View style={{ flex: 1 }}>
      <StatusBar barStyle="light-content" />

      <MapView
        style={{ flex: 1 }}
        initialRegion={{
```

```jsx
        latitude: 28.6139,
        longitude: 77.2090,
        latitudeDelta: 0.05,
        longitudeDelta: 0.05,
      }}
    >
      <Marker coordinate={fastRoute[0]} title="Start" />
      <Marker coordinate={safeRoute[safeRoute.length - 1]}
title="Destination" />

      <Polyline coordinates={fastRoute} strokeColor="red"
strokeWidth={4} />
      <Polyline coordinates={safeRoute} strokeColor="green"
strokeWidth={4} />
    </MapView>

    <BottomSheet />
  </View>
  );
}
```

◆ components/BottomSheet.js

```jsx
import React, { useRef } from 'react';
import {
  View,
  Text,
  Animated,
  PanResponder,
  Dimensions,
  ScrollView
} from 'react-native';
import RouteCard from './RouteCard';
import SOSButton from './SOSButton';
import safetyReasons from '../data/safetyReasons';

const SCREEN_HEIGHT = Dimensions.get('window').height;

export default function BottomSheet() {
```

```
  const translateY = useRef(new Animated.Value(SCREEN_HEIGHT *
0.55)).current;

  const panResponder = PanResponder.create({
    onMoveShouldSetPanResponder: () => true,
    onPanResponderMove: (_, g) =>
      translateY.setValue(SCREEN_HEIGHT * 0.55 + g.dy),
    onPanResponderRelease: (_, g) => {
      Animated.spring(translateY, {
        toValue: g.dy < -100 ? SCREEN_HEIGHT * 0.15 : SCREEN_HEIGHT
* 0.55,
        useNativeDriver: false,
      }).start();
    },
  });

  return (
    <Animated.View
      style={{
        position: 'absolute',
        top: translateY,
        width: '100%',
        height: SCREEN_HEIGHT,
        backgroundColor: '#fff',
        borderTopLeftRadius: 20,
        borderTopRightRadius: 20,
        padding: 16,
      }}
      {...panResponder.panHandlers}
    >
      <View style={{ alignSelf: 'center', width: 40, height: 5,
backgroundColor: '#ccc', borderRadius: 10 }} />

      <ScrollView>
        <RouteCard title="Fast Route" time="12 min" score="42"
color="red" />
        <RouteCard title="Safe Route" time="18 min" score="86"
color="green" />

        <Text style={{ marginVertical: 10, fontWeight: 'bold' }}>
          Why Safe Route is Better
```

```
        </Text>

        {safetyReasons.map((r, i) => (
          <Text key={i}>• {r}</Text>
        ))}

        <SOSButton />
      </ScrollView>
    </Animated.View>
  );
}
```

🔹 components/RouteCard.js

```
import React from 'react';
import { View, Text } from 'react-native';

export default function RouteCard({ title, time, score, color }) {
  return (
    <View style={{
      padding: 10,
      backgroundColor: color === 'green' ? '#E8F5E9' : '#FFEBEE',
      marginVertical: 6,
      borderRadius: 10
    }}>
      <Text>{title}</Text>
      <Text>⏱ {time}</Text>
      <Text>Safety Score: {score}</Text>
    </View>
  );
}
```

🔹 components/SOSButton.js

```
import React from 'react';
import { TouchableOpacity, Text, Alert } from 'react-native';

export default function SOSButton() {
```

```
  return (
    <TouchableOpacity
      style={{
        backgroundColor: '#C62828',
        padding: 14,
        borderRadius: 12,
        marginTop: 12,
        alignItems: 'center'
      }}
      onPress={() => Alert.alert("SOS Activated")}
    >
      <Text style={{ color: '#fff', fontWeight: 'bold' }}>SOS</Text>
    </TouchableOpacity>
  );
}
```

◆ data/safetyReasons.js

```
export default [
  "Well-lit roads",
  "Higher crowd density",
  "Close to police stations",
  "Avoids isolated streets",
  "Lower historical crime reports"
];
```

◆ app.json

```
{
  "expo": {
    "name": "SafeRoute",
    "slug": "saferoute",
    "icon": "./assets/icon.png",
    "android": {
      "adaptiveIcon": {
        "foregroundImage": "./assets/icon.png",
        "backgroundColor": "#000000"
      }
```

```
      }
    }
}
```

◆ package.json

```json
{
  "name": "saferoute",
  "version": "1.0.0",
  "main": "node_modules/expo/AppEntry.js",
  "scripts": {
    "start": "expo start"
  },
  "dependencies": {
    "expo": "~54.0.0",
    "react": "18.2.0",
    "react-native": "0.74.0",
    "react-native-maps": "1.14.0"
  }
}
```

◆ README.md

SafeRoute 🚦

AI-powered women safety navigation app that prioritizes safety over speed.

Features
- Safe vs Fast route comparison
- Safety score & ETA
- Explainable AI reasons
- SOS & Voice SOS
- Draggable bottom sheet UI

Run
npx expo start