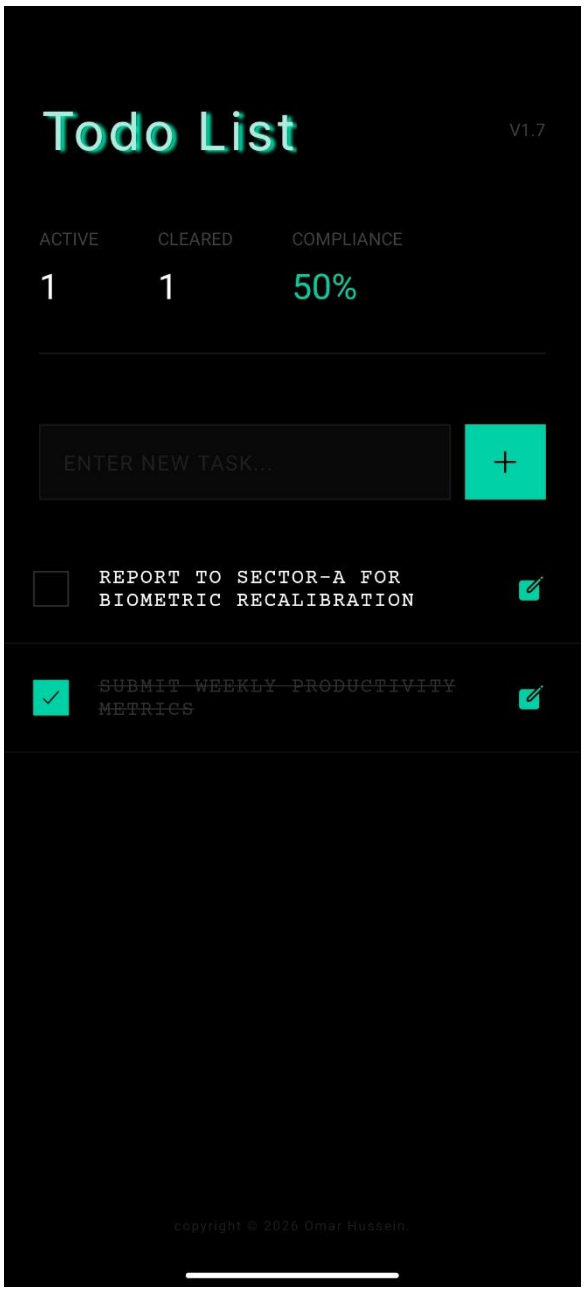
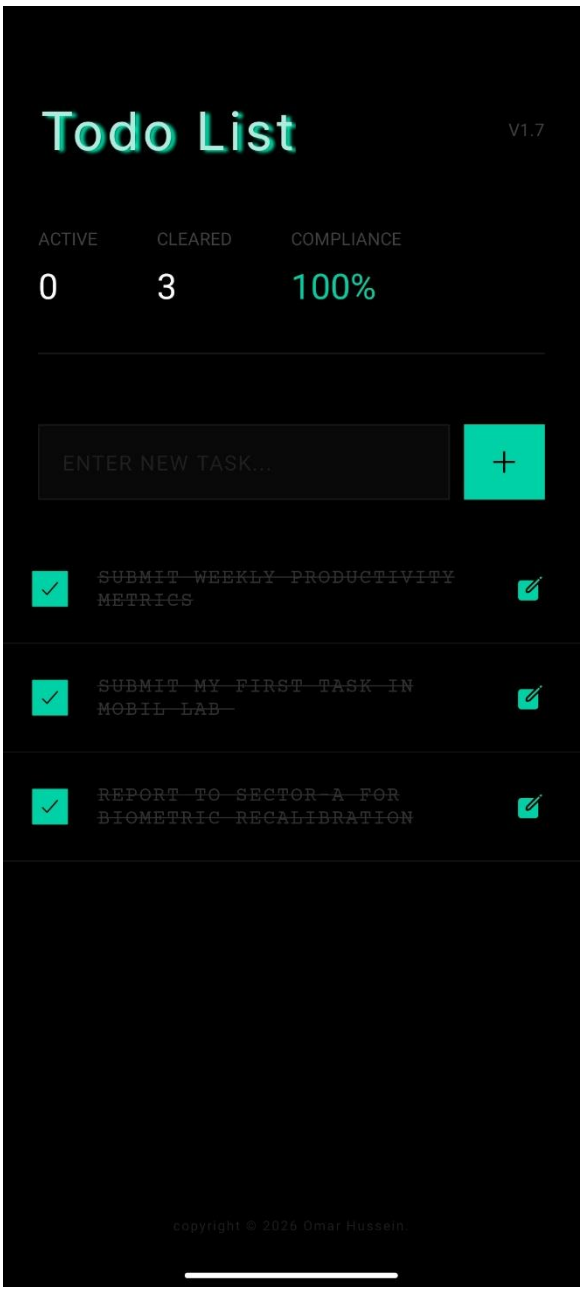
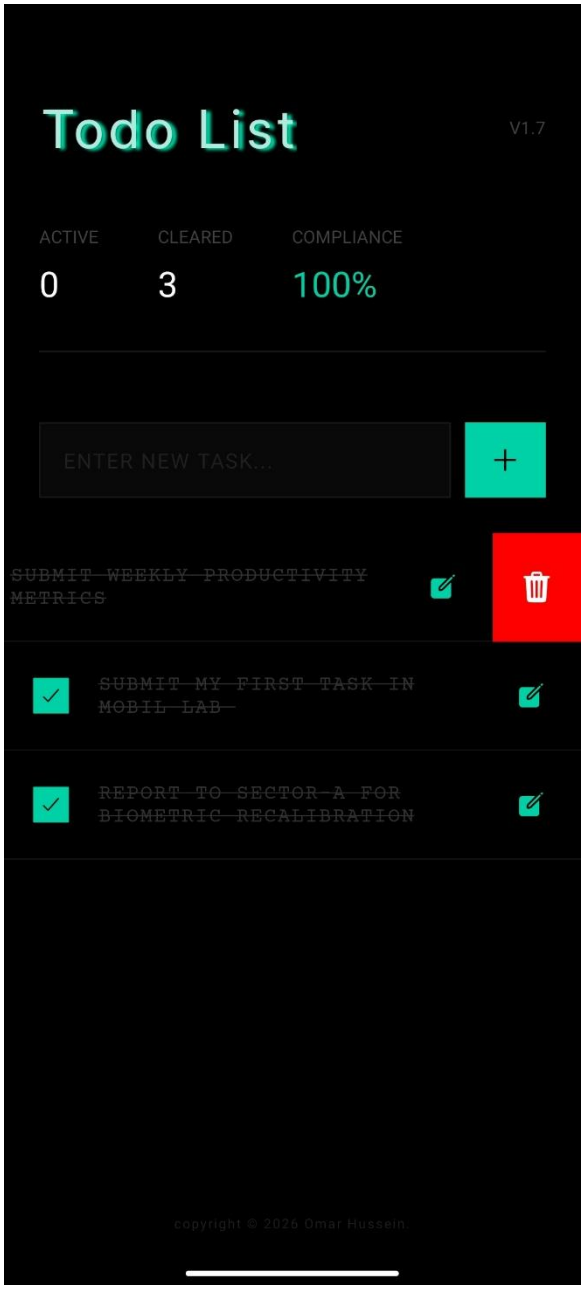
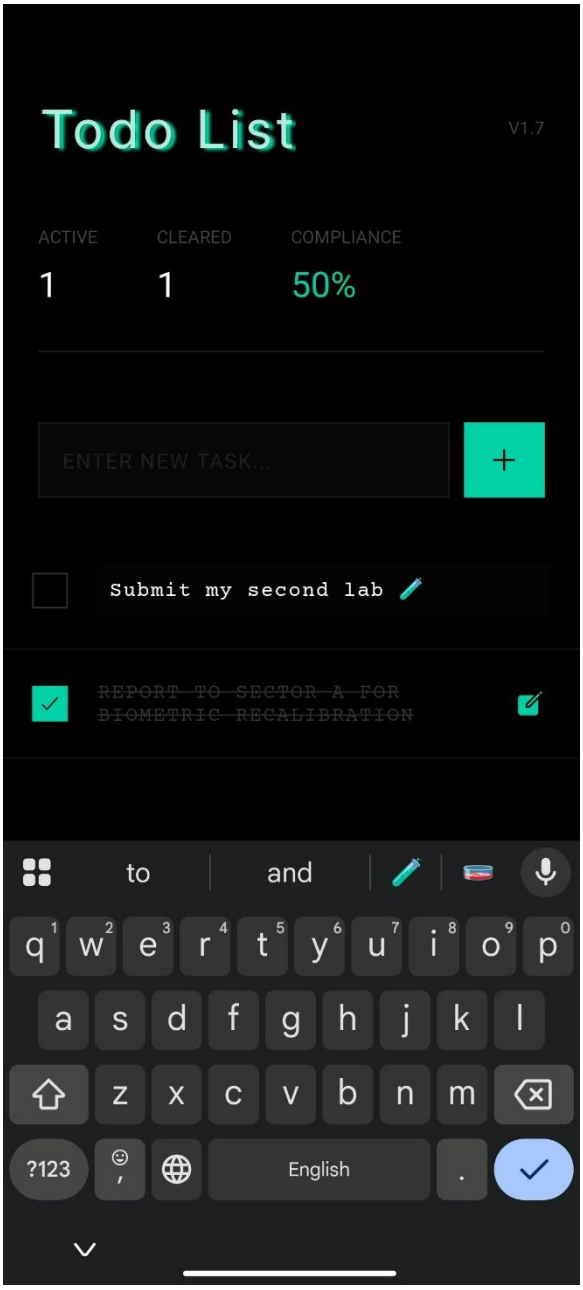
Report #1 - Todo List

– Screenshots

1. Initial State	2. Add Task
	

3. Delete Task	4. Edit Task
	

- Colors

```
export const Theme = {
  colors: {
    background: '#000000',
    surface: '#050505',
    primary: '#00d1a7',
    text: '#FFFFFF',
    logo: '#b3eade',
    textMuted: '#333333',
    border: '#181717',
    glow: '#00ffc3f4',
```

#000000	#050505	#181717	#333333
#FFFFFF	#b3eade	#00d1a7	#00ffc3f4

- Fonts

– Code

src > components > Header.js > ...

```
import { View, Text, StyleSheet } from 'react-native';
import { Theme } from '../constants/Theme_dark';

export default function Header({ active, cleared }) {
    const total = active + cleared;
    const compliance = total > 0 ? Math.round((cleared / total) * 100) : 0;

    return (
        <View style={styles.container}>
            <View style={styles.topRow}>
                <Text style={styles.logo}>Todo List</Text>
                <Text style={styles.version}>V1.7</Text>
            </View>

            <View style={styles.statsRow}>
                <View style={styles.statBox}>
                    <Text style={styles.statLabel}>ACTIVE</Text>
                    <Text style={styles.statValue}>{active}</Text>
                </View>
                <View style={styles.statBox}>
                    <Text style={styles.statLabel}>CLEARED</Text>
                    <Text style={styles.statValue}>{cleared}</Text>
                </View>
                <View style={styles.statBox}>
                    <Text style={styles.statLabel}>COMPLIANCE</Text>
                    <Text style={[styles.statValue, { color: Theme.colors.primary }]}>{compliance}%</Text>
                </View>
            </View>
            <View style={styles.divider} />
        </View>
    );
}

const styles = StyleSheet.create({
    container: { padding: Theme.spacing.lg, backgroundColor: Theme.colors.background },
    topRow: { flexDirection: 'row', justifyContent: 'space-between', alignItems: 'center', marginBottom: 40 },
        logo: {
            color: Theme.colors.logo, // Gold for brightness
            fontSize: 36,
            fontFamily: 'Inter-Regular',
            letterSpacing: 3,
            textShadowColor: Theme.colors.glow,
            textShadowOffset: { width: 3, height: 1 },
            textShadowRadius: 5,
            elevation: 2,
        },
    version: { color: '#444', fontSize: 12, fontFamily: 'Courier' },
    statsRow: { flexDirection: 'row', gap: 40 },
    statLabel: { color: '#444', fontSize: 12, fontFamily: 'Courier', marginBottom: 8 },
    statValue: { color: Theme.colors.text, fontSize: 24, fontFamily: 'Courier' },
    divider: { height: 1, backgroundColor: '#222', marginTop: 30 }
});
```

src > components > TodoInput.js > ...

```
import { useState } from 'react';
import { View, TextInput, TouchableOpacity, StyleSheet } from 'react-native';
import { Ionicons } from '@expo/vector-icons';
import { Theme } from '../constants/Theme_dark';

export default function TodoInput({ onAdd }) {
    const [text, setText] = useState('');

    return (
        <View style={styles.container}>
            <TextInput
                style={styles.input}
                placeholder="ENTER NEW TASK..."
                placeholderTextColor="#222"
                value={text}
                onChangeText={setText}
            />
            <TouchableOpacity
                style={styles.addButton}
                onPress={() => { if (text) { onAdd(text); setText(''); } }}
            >
                <Ionicons name="add" size={24} color="black" />
            </TouchableOpacity>
        </View>
    );
}

const styles = StyleSheet.create({
    container: { flexDirection: 'row', padding: Theme.spacing.lg, gap: 10 },
    input: {
        flex: 1,
        backgroundColor: '#0A0A0A',
        borderWidth: 1,
        borderColor: '#1A1A1A',
        padding: 15,
        color: Theme.colors.text,
        fontFamily: 'Courier',
        letterSpacing: 1,
    },
    addButton: {
        backgroundColor: Theme.colors.primary,
        width: 55,
        justifyContent: 'center',
        alignItems: 'center',
    }
});
```

src > components > TodoItem.js > TodoItem

```jsx
import { TouchableOpacity, Text, StyleSheet, View, TextInput } from 'react-native';
import { Ionicons } from '@expo/vector-icons';
import { Theme } from '../constants/Theme_dark';
import { Swipeable } from 'react-native-gesture-handler';
import { useState } from 'react';

export default function TodoItem({ item, onToggle, onDelete, onEdit }) {
    const [editing, setEditing] = useState(false);
    const [editText, setEditText] = useState(item.text);
    const renderRightActions = () => (
        <TouchableOpacity style={styles.deleteButton} onPress={() => onDelete(item.id)}>
            <Ionicons name="trash" size={24} color="white" />
        </TouchableOpacity>
    );

    const handleEditSubmit = () => {
        setEditing(false);
        if (editText.trim() && editText !== item.text) {
            onEdit(item.id, editText);
        }
    };

    return (
        <Swipeable renderRightActions={renderRightActions}>
            <View style={styles.container}>
                <TouchableOpacity onPress={() => onToggle(item.id)}>
                    <View style={[styles.checkbox, item.completed && styles.checked]}>
                        {item.completed && <Ionicons name="checkmark" size={16} color="black" />}
                    </View>
                </TouchableOpacity>
                {editing ? (
                    <TextInput
                        style={[styles.text, item.completed && styles.textCompleted, styles.editInput]}
                        value={editText}
                        onChangeText={setEditText}
                        autoFocus
                        onSubmitEditing={handleEditSubmit}
                        onBlur={handleEditSubmit}
                        returnKeyType="done"
                    />
                ) : (
                    <View style={{ flexDirection: 'row', alignItems: 'center', flex: 1 }}>
                        <Text style={[styles.text, item.completed && styles.textCompleted]}>
                            {item.text.toUpperCase()}
                        </Text>
                        <TouchableOpacity style={styles.inlineEditIcon} onPress={() => setEditing(true)}>
                            <Ionicons name="create" size={20} color={Theme.colors.primary} />
                        </TouchableOpacity>
                    </View>
                )}
            </View>
        </Swipeable>
    );
}
```

```
const styles = StyleSheet.create({
    container: {
        flexDirection: 'row',
        alignItems: 'center',
        paddingVertical: 20,
        borderBottomWidth: 1,
        borderBottomColor: Theme.colors.border,
        paddingHorizontal: 20
    },
    checkbox: {
        width: 24,
        height: 24,
        borderWidth: 1,
        borderColor: Theme.colors.textMuted,
        marginRight: 20,
        justifyContent: 'center',
        alignItems: 'center'
    },
    checked: { backgroundColor: Theme.colors.primary, borderColor: Theme.colors.primary },
    text: { color: Theme.colors.text, fontFamily: 'Courier New', fontSize: 14, flex: 1, letterSpacing: 1 },
    textCompleted: { color: Theme.colors.textMuted, textDecorationLine: 'line-through' },
    deleteButton: {
        backgroundColor: 'red',
        justifyContent: 'center',
        alignItems: 'center',
        width: 60,
        height: '100%',
    },
    inlineEditIcon: {
        marginLeft: 10,
        padding: 4,
        borderRadius: 4,
    },
    editInput: {
        backgroundColor: Theme.colors.surface,
        color: Theme.colors.text,
        borderRadius: 4,
        paddingHorizontal: 8,
        fontSize: 14,
        flex: 1,
    },
});
```

src > screens > HomeScreen.js > ...

```
import { useState } from 'react';
import { View, StyleSheet, FlatList, Text } from 'react-native';
import { SafeAreaView } from 'react-native-safe-area-context';
import { StatusBar } from 'expo-status-bar';
import { Theme } from '../constants/Theme_dark';
import Header from '../components/Header';
import TodoInput from '../components/TodoInput';
import TodoItem from '../components/TodoItem';

export default function HomeScreen() {
    const [todos, setTodos] = useState([
        { id: '1', text: 'REPORT TO SECTOR-A FOR BIOMETRIC RECALIBRATION', completed: false },
        { id: '2', text: 'SUBMIT WEEKLY PRODUCTIVITY METRICS', completed: true },
    ]);

    const active = todos.filter(t => !t.completed).length;
    const cleared = todos.filter(t => t.completed).length;

    return (
        <SafeAreaView style={styles.container}>
            <StatusBar barStyle="light" hidden={true} />
            <Header active={active} cleared={cleared} />
            <TodoInput onAdd={(text) => setTodos([{ id: Date.now().toString(), text, completed: false }, ...todos])} />

            <FlatList
                data={[...todos].sort((a, b) => {
                    if (a.completed !== b.completed) return a.completed - b.completed;
                    return b.id.localeCompare(a.id);
                })}
                keyExtractor={item => item.id}
                renderItem={({ item }) => (
                    <TodoItem
                        item={item}
                        onToggle={(id) => setTodos(todos.map(t => t.id === id ? { ...t, completed: !t.completed } : t))}
                        onDelete={(id) => setTodos(todos.filter(t => t.id !== id))}
                        onEdit={(id, text) => setTodos(todos.map(t => t.id === id ? { ...t, text } : t))}
                    />
                )}
            />

            <View style={styles.footer}>
                <Text style={styles.footerText}>
                    copyright © 2026 Omar Hussein.
                </Text>
            </View>
        </SafeAreaView>
    );
}

const styles = StyleSheet.create({
    container: { flex: 1, backgroundColor: Theme.colors.background },
    footer: { padding: 20, alignItems: 'center' },
    footerText: { color: '□#222', fontSize: 9, fontFamily: 'Courier', letterSpacing: 1 }
});
```

App.js > App

```
1   import { useCallback } from 'react';
2   import { useFonts } from 'expo-font';
3   import * as SplashScreen from 'expo-splash-screen';
4   import { SafeAreaProvider } from 'react-native-safe-area-context';
5   import { GestureHandlerRootView } from 'react-native-gesture-handler';
6   import HomeScreen from './src/screens/HomeScreen';
7
8   SplashScreen.preventAutoHideAsync();
9
10  export default function App() {
11    const [fontsLoaded, fontError] = useFonts({
12      'Inter-Regular': require('./assets/fonts/Inter-Regular.ttf'),
13      'Inter-Bold': require('./assets/fonts/Inter-Bold.ttf'),
14      'Courier New': require('./assets/fonts/CourierPrime-Regular.ttf'),
15    });
16
17    const onLayoutRootView = useCallback(async () => {
18      if (fontsLoaded || fontError) {
19        // This tells the splash screen to hide immediately!
20        await SplashScreen.hideAsync();
21      }
22    }, [fontsLoaded, fontError]);
23
24    if (!fontsLoaded && !fontError) {
25      return null;
26    }
27
28    return (
29      <GestureHandlerRootView style={{ flex: 1 }}>
30        <SafeAreaProvider onLayout={onLayoutRootView}>
31          <HomeScreen />
32        </SafeAreaProvider>
33      </GestureHandlerRootView>
34    );
35  }
```