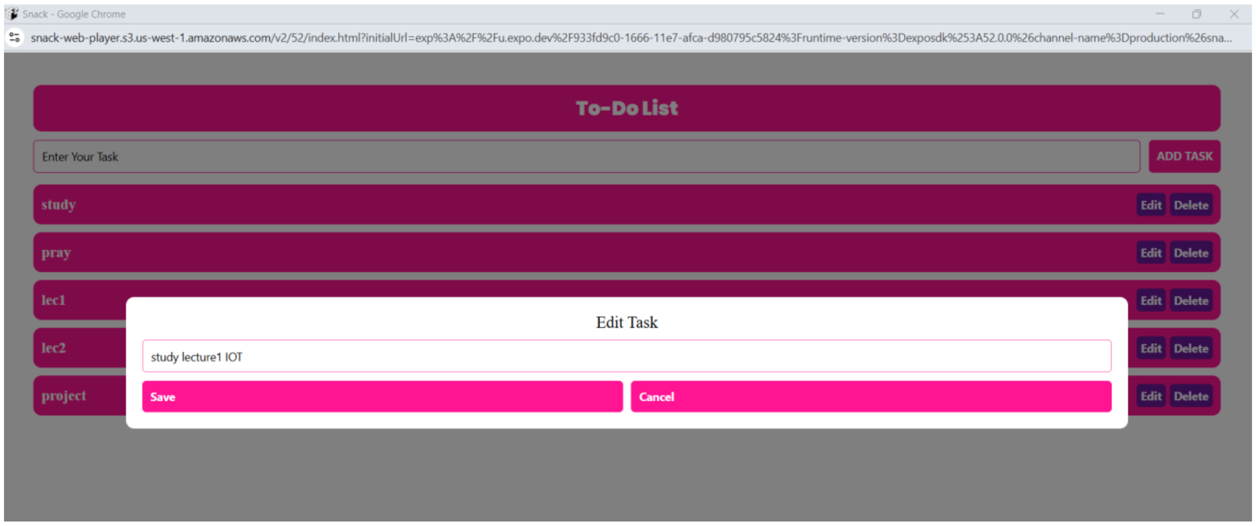
Name: Mennatallah Ashraf Hanafy
Section: 1

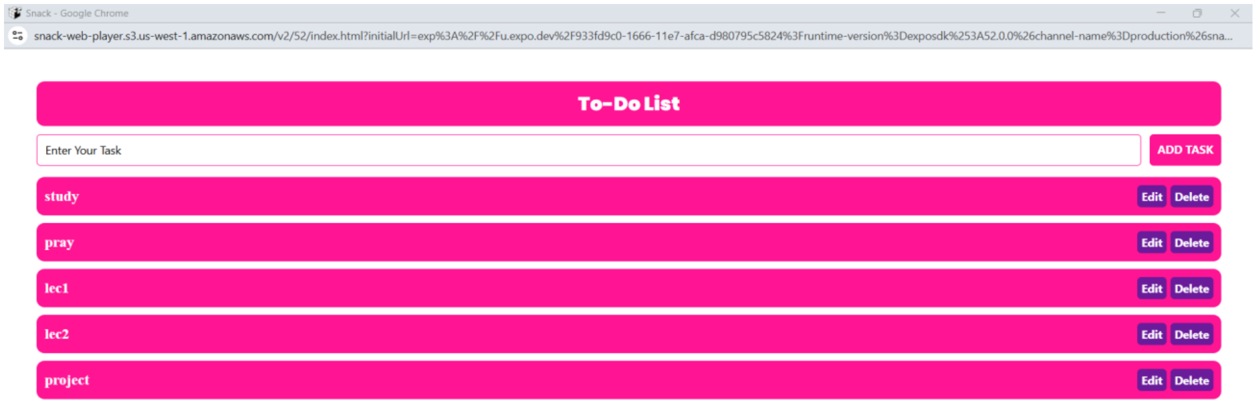
To-Do List Expo App Report

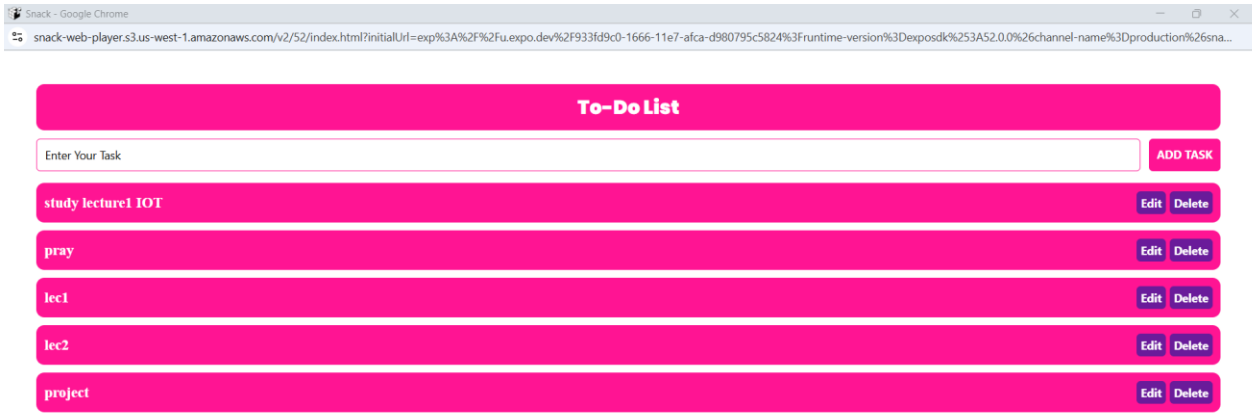
1. Introduction

The To-Do List Expo application is a simple task management tool built using React Native and Expo. The app allows users to add, edit, and delete tasks efficiently while ensuring a user-friendly interface with appealing colors and fonts.

2. Screenshots


Snack - Google Chrome
snack-web-player.s3.us-west-1.amazonaws.com/v2/52/index.html?initialUrl=exp%3A%2F%2Fu.expo.dev%2F933fd9c0-1666-11e7-afca-d980795c5824%3Fruntime-version%3Dexposdk%253A52.0.0%26channel-name%3Dproduction%26sna...
To-Do List
Enter Your Task
ADD TASK
study
pray
lec1
lec2
project
Edit
Delete
Edit Task
study lecture1 IOT
Save
Cancel


Snack - Google Chrome
snack-web-player.s3.us-west-1.amazonaws.com/v2/52/index.html?initialUrl=exp%3A%2F%2Fu.expo.dev%2F933fd9c0-1666-11e7-afca-d980795c5824%3Fruntime-version%3Dexposdk%253A52.0.0%26channel-name%3Dproduction%26sna...
To-Do List
Enter Your Task
ADD TASK
study
pray
lec1
lec2
project
Edit
Delete



Snack - Google Chrome

snack-web-player.s3.us-west-1.amazonaws.com/v2/52/index.html?initialUrl=exp%3A%2F%2Fu.expo.dev%2F933fd9c0-1666-11e7-afca-d980795c5824%3Fruntime-version%3Dexposdk%253A52.0.0%26channel-name%3Dproduction%26sna...

To-Do List

Enter Your Task | ADD TASK

study lecture1 IOT | Edit | Delete

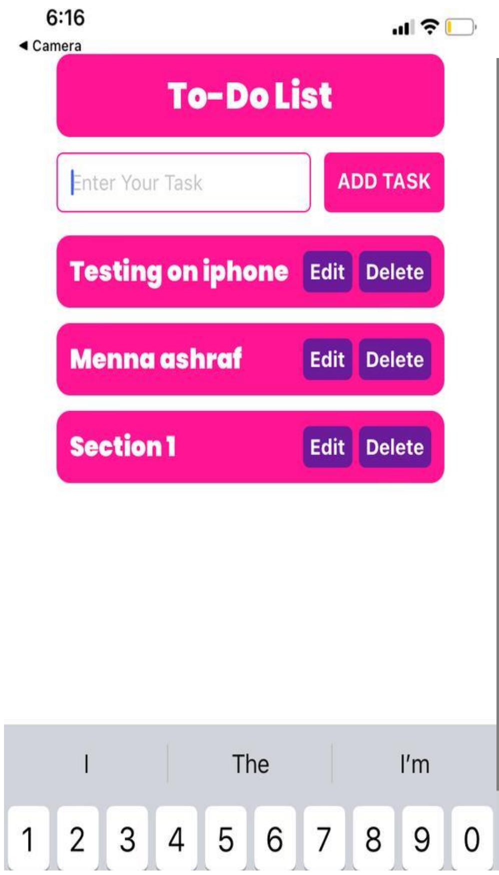
pray | Edit | Delete

lec1 | Edit | Delete

lec2 | Edit | Delete

project | Edit | Delete

Testing on the phone screenshots:



6:16

Camera

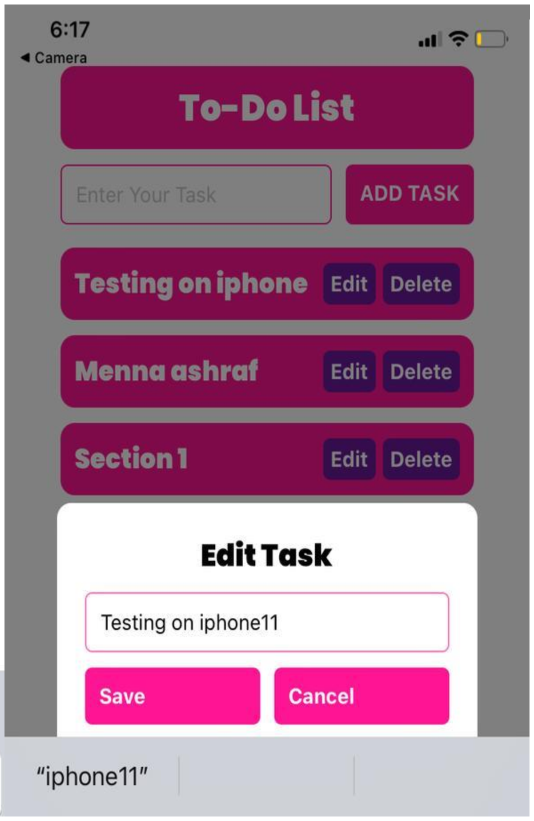
To-Do List

Enter Your Task | ADD TASK

Testing on iphone | Edit | Delete

Menna ashraf | Edit | Delete

Section 1 | Edit | Delete



6:17

Camera

To-Do List

Enter Your Task | ADD TASK

Testing on iphone | Edit | Delete

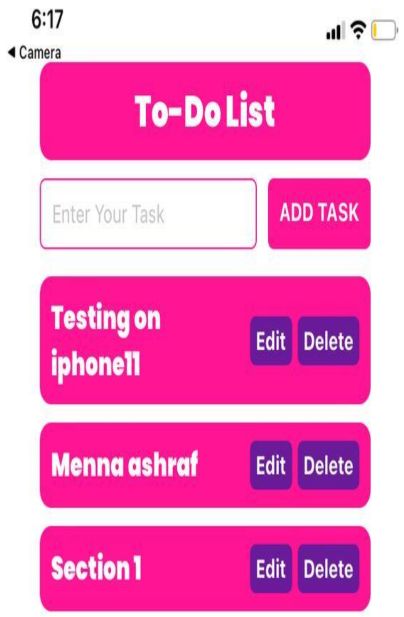
Menna ashraf | Edit | Delete

Section 1 | Edit | Delete

Edit Task

Testing on iphone11

Save | Cancel



6:17

Camera

To-Do List

Enter Your Task | ADD TASK

Testing on iphone11 | Edit | Delete

Menna ashraf | Edit | Delete

Section 1 | Edit | Delete

3. Colors and Fonts Used

Colors:

- **Pink (#FF1493)**: Used for UI elements like buttons and backgrounds.
- **White (#FFFFFF)**: Used for text input background and primary background.
- **Purple (#6A1B9A)**: Used for the edit and delete buttons.

Fonts:

- **Poppins-Regular**: Applied to the app title and input fields.
- **Poppins-Black**: Applied to task text and modal titles.

4. Components and Code

App Component

Handles the state management, input handling, and task list rendering.

```
import React, { useState } from "react";
import {
  View,
  Text,
  TextInput,
  Button,
  FlatList,
  TouchableOpacity,
  StyleSheet,
  Modal
} from "react-native";
import { useFonts } from "expo-font";

export default function App() {
  const [goal, setGoal] = useState("");
  const [goalList, setGoalList] = useState([]);
  const [editModalVisible, setEditModalVisible] = useState(false);
  const [editGoal, setEditGoal] = useState("");
  const [editGoalKey, setEditGoalKey] = useState(null);

  let [fontsLoaded] = useFonts({
    "Poppins-Regular": require("./assets/fonts/Poppins-Black.ttf"),
  });

  if (!fontsLoaded) {
    return <Text>Loading Fonts...</Text>;
  }

  // Add new goal
  const addGoalHandler = () => {
    if (goal.trim()) {
      setGoalList((currentGoals) => [
        ...currentGoals,
        { key: Math.random().toString(), value: goal },
      ]);
      setGoal("");
    }
  };

  // Delete a specific goal
  const deleteGoalHandler = (goalKey) => {
    setGoalList((currentGoals) =>
      currentGoals.filter((goal) => goal.key !== goalKey)
    );
  };

  // Open edit modal
  const openEditModal = (goalKey, goalValue) => {
    setEditGoal(goalValue);
    setEditGoalKey(goalKey);
    setEditModalVisible(true);
  };

  // Update goal
  const updateGoalHandler = () => {
    setGoalList((currentGoals) =>
      currentGoals.map((goal) =>
        goal.key === editGoalKey ? { ...goal, value: editGoal } : goal
      )
    );
    setEditModalVisible(false);
  };
```

Styling

```
import React, { useState } from "react";
import {
  View,
  Text,
  TextInput,
  Button,
  FlatList,
  TouchableOpacity,
  StyleSheet,
  Modal
} from "react-native";
import { useFonts } from "expo-font";

export default function App() {
  const [goal, setGoal] = useState("");
  const [goalList, setGoalList] = useState([]);
  const [editModalVisible, setEditModalVisible] = useState(false);
  const [editGoal, setEditGoal] = useState("");
  const [editGoalKey, setEditGoalKey] = useState(null);

  let [fontsLoaded] = useFonts({
    "Poppins-Regular": require("./assets/fonts/Poppins-Black.ttf"),
  });

  if (!fontsLoaded) {
    return <Text>Loading Fonts...</Text>;
  }

  // Add new goal
  const addGoalHandler = () => {
    if (goal.trim()) {
      setGoalList((currentGoals) => [
        ...currentGoals,
        { key: Math.random().toString(), value: goal },
      ]);
      setGoal("");
    }
  };

  // Delete a specific goal
  const deleteGoalHandler = (goalKey) => {
    setGoalList((currentGoals) =>
      currentGoals.filter((goal) => goal.key !== goalKey)
    );
  };

  // Open edit modal
  const openEditModal = (goalKey, goalValue) => {
    setEditGoal(goalValue);
    setEditGoalKey(goalKey);
    setEditModalVisible(true);
  };
```

```
// Update goal
const updateGoalHandler = () => {
  setGoalList((currentGoals) =>
    currentGoals.map((goal) =>
      goal.key === editGoalKey ? { ...goal, value: editGoal } : goal
    )
  );
  setEditModalVisible(false);
};
```