**Cross Platform Application Development**

**Assignment 1 - Flutter App with Back4App Integration**

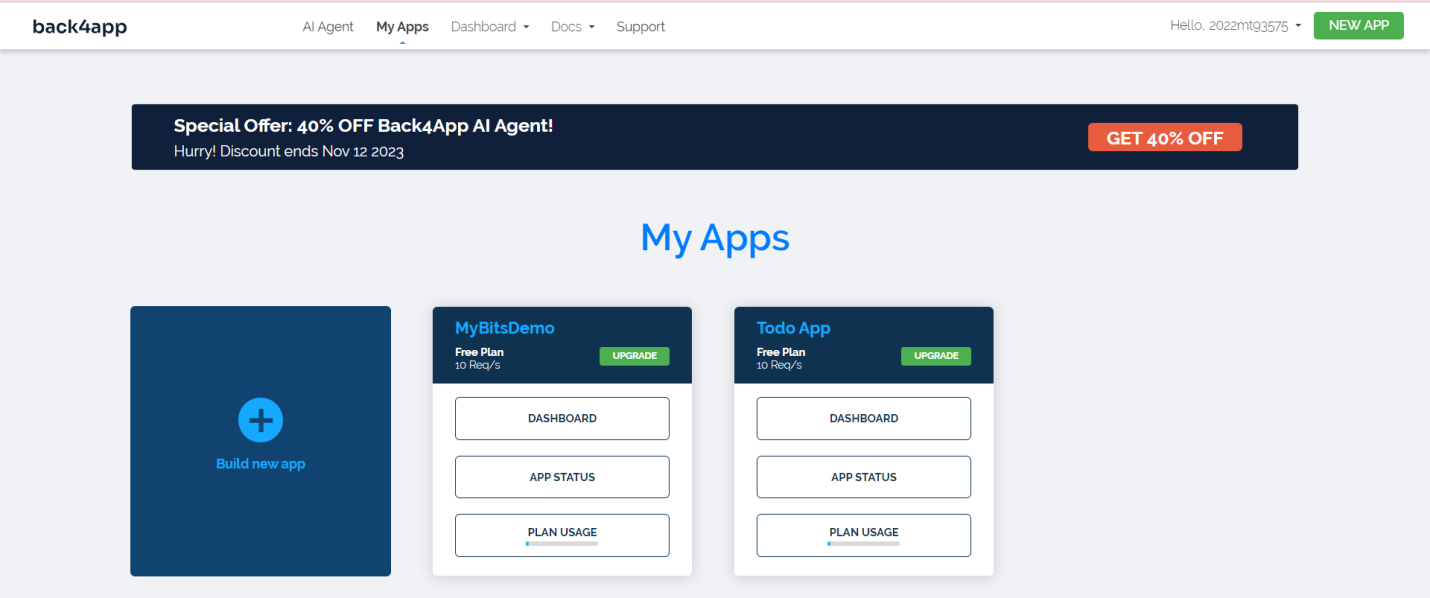
**Name : G. Sai Teja**

**BITS ID : 2022MT93575**

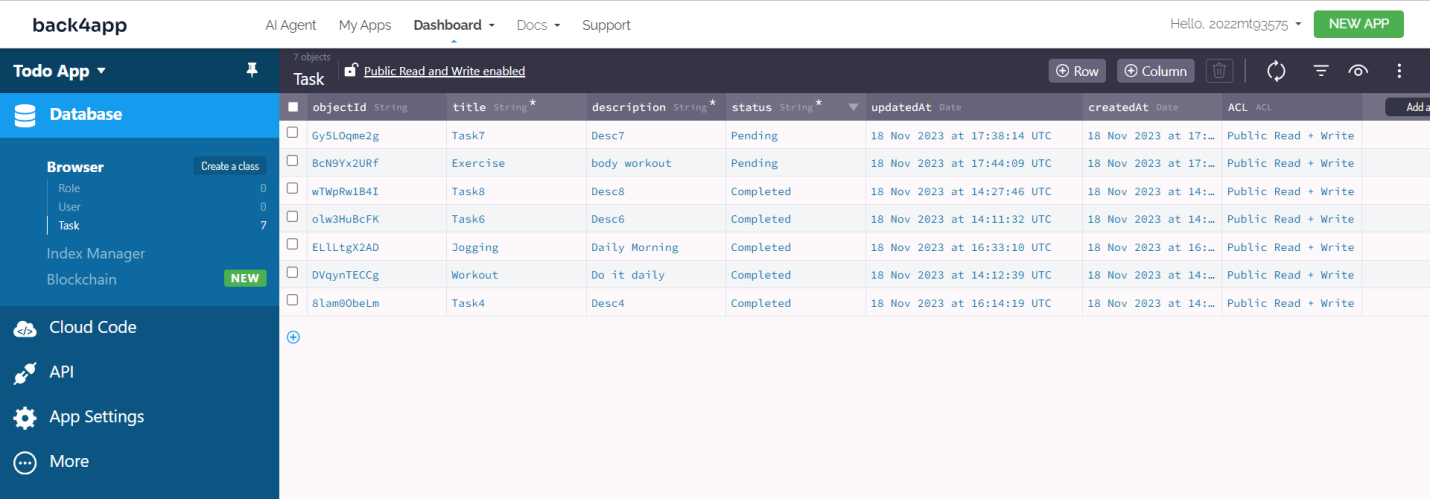
**Assignment Steps:**

Step 1: Set Up Back4App

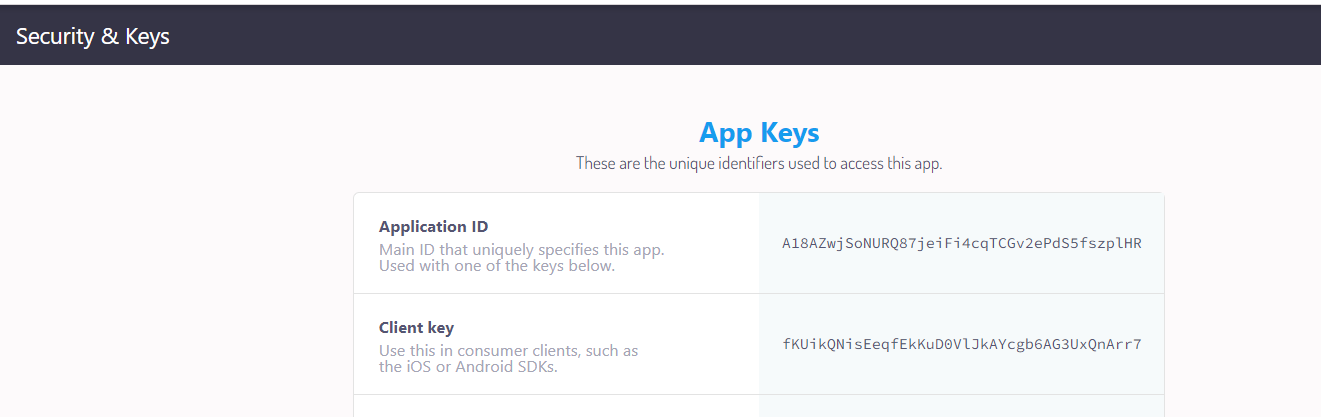
New app – ‘Todo App’



Created a new class ‘Task’ with columns title, description, status

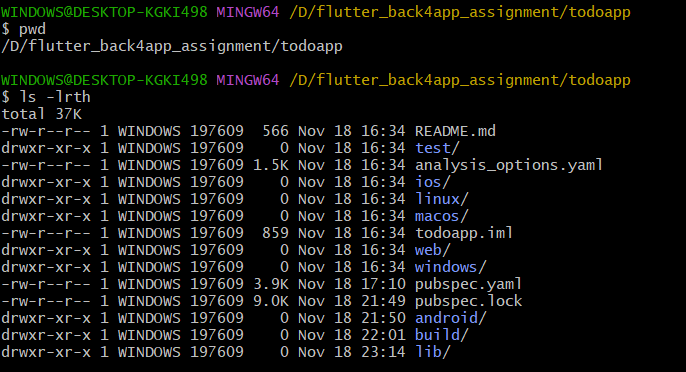


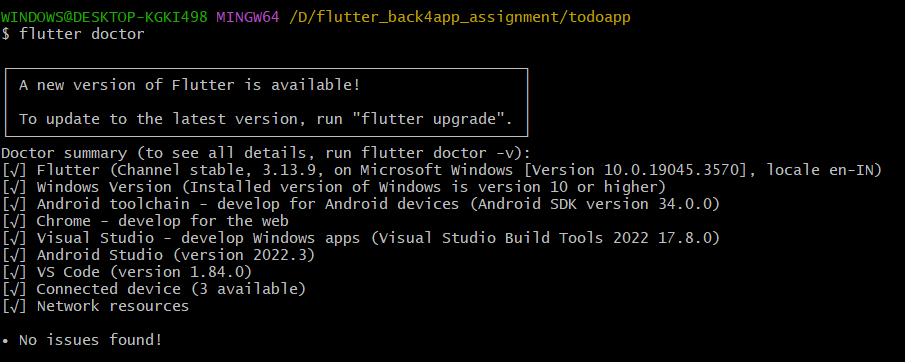
App Keys



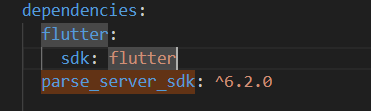
Step 2: Flutter Setup

Created new flutter project ‘todoapp’

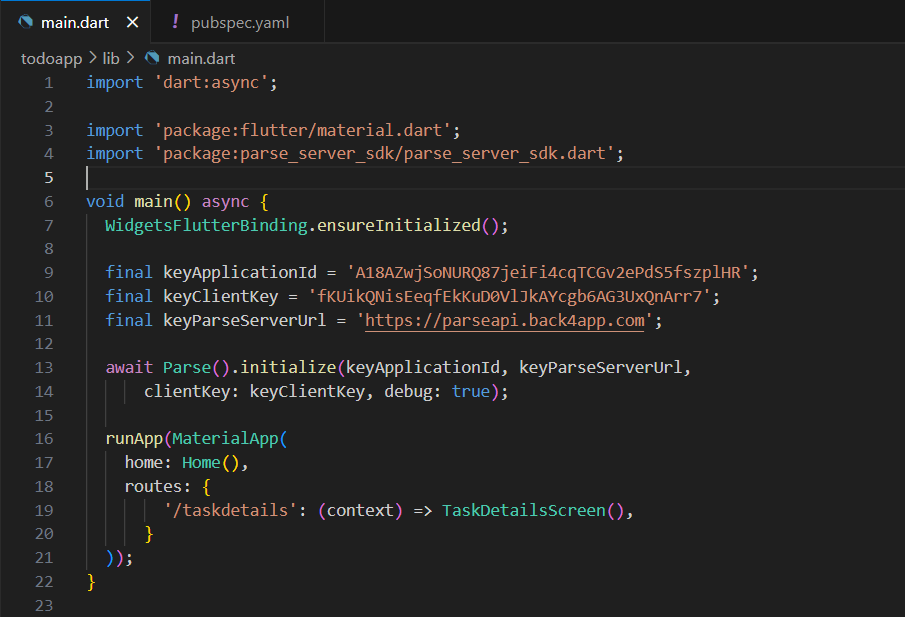




Added dependency ‘parse\_server\_sdk’ in pubspec.yaml

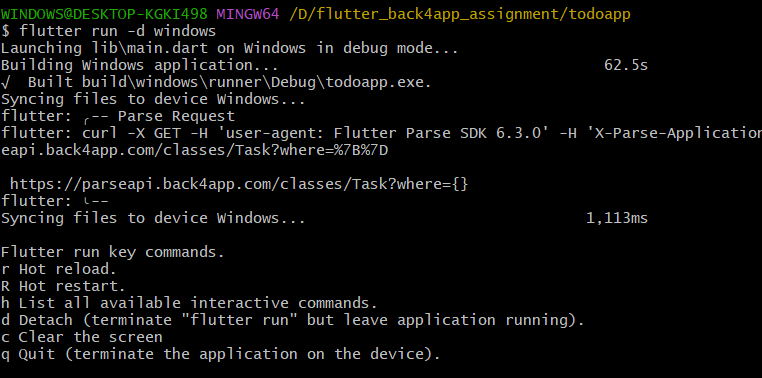


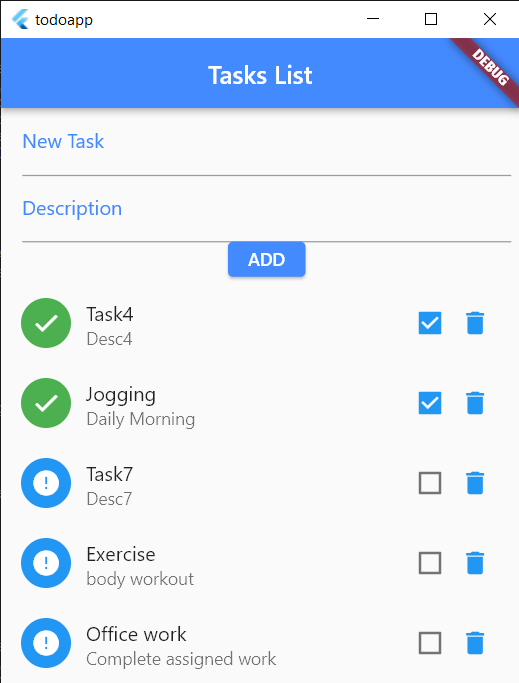
Updated keyApplicationId, keyClientKey, keyParseServerUrl in main.dart file



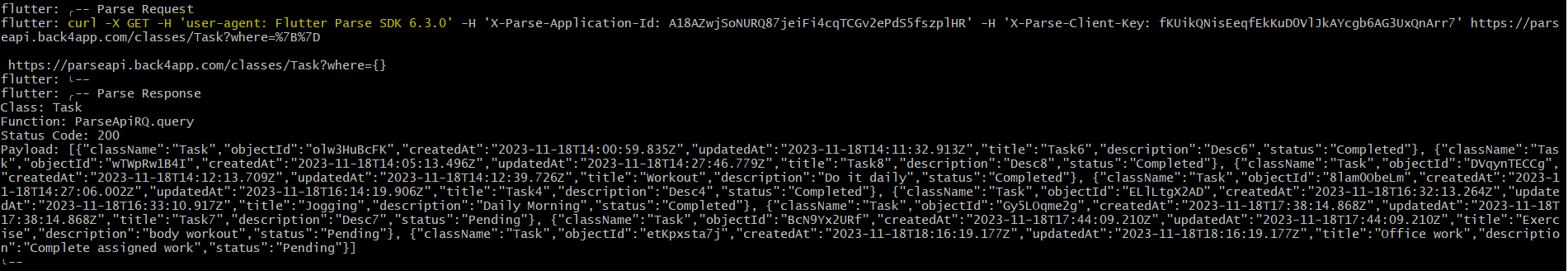
Step 3: Task List

Executing code by running flutter run command

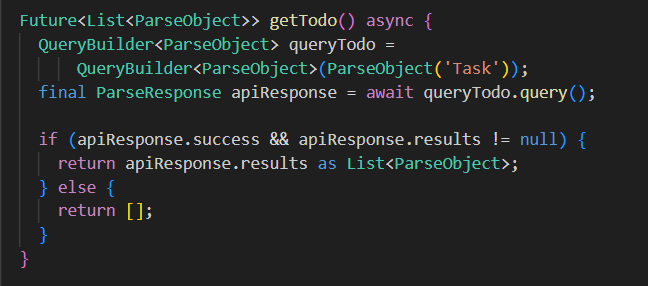




Get query in logs

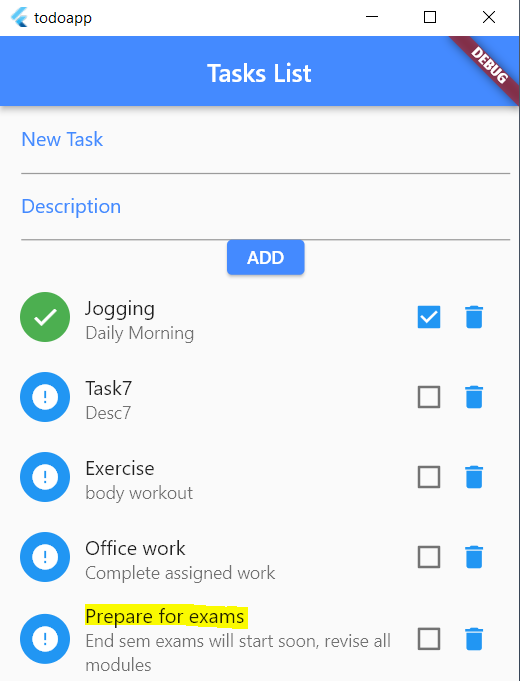


Implemented getToDo() function to retrieve tasks list

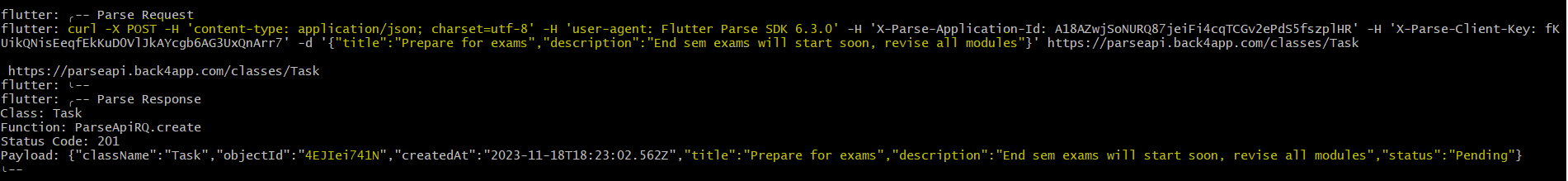


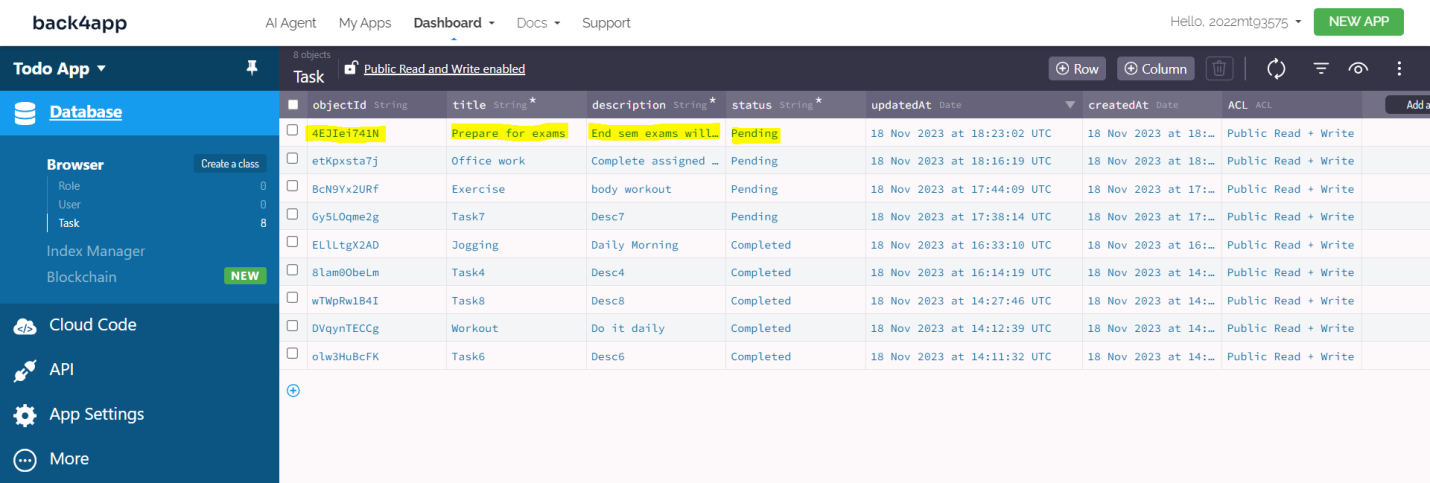
Step 4: Task Creation

Created new task ‘Prepare for exams’

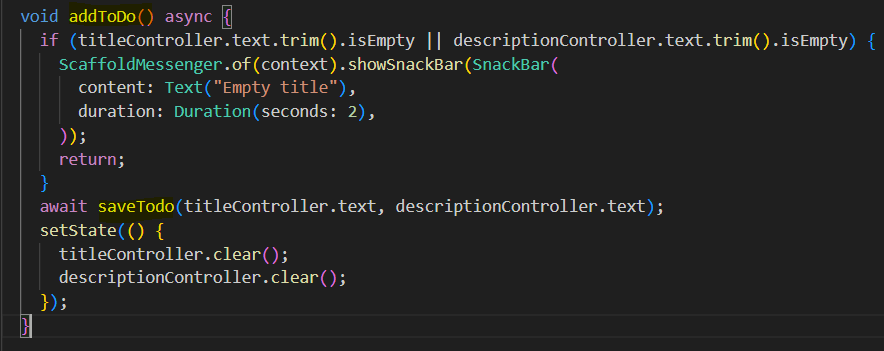


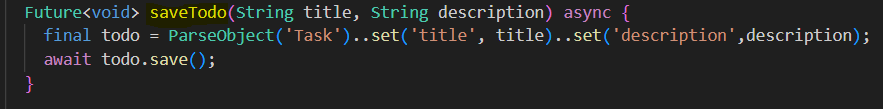
Post query in logs





Implemented addToDo() function to add new tasks

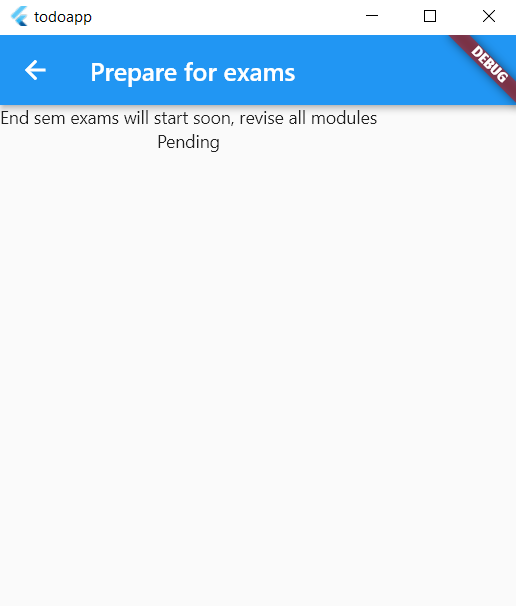


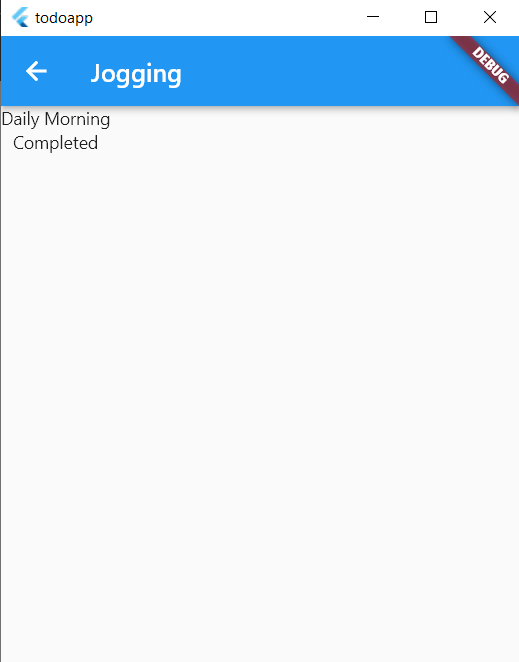


Step 5: Task Details

Task details will be displayed whenever a task is tapped

Details include title, description and status of that task

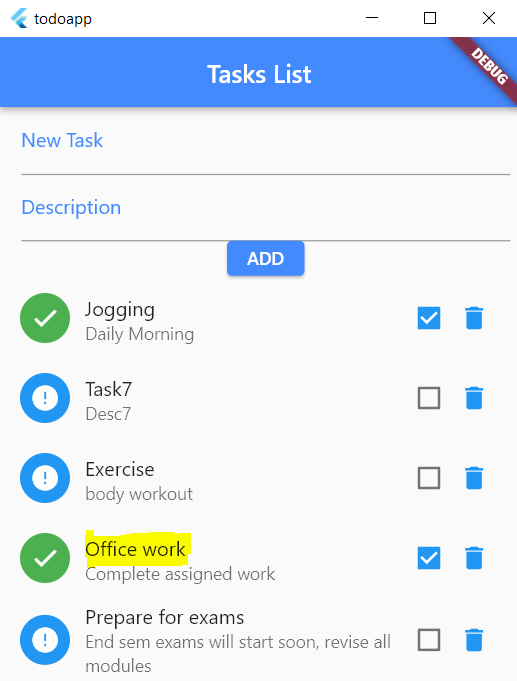




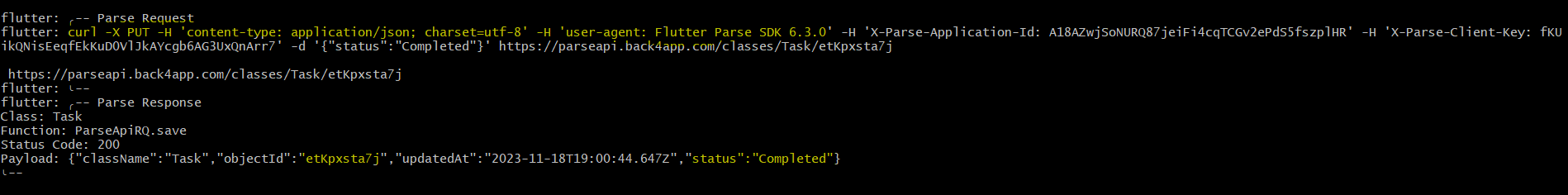
Step 6: Bonus Features

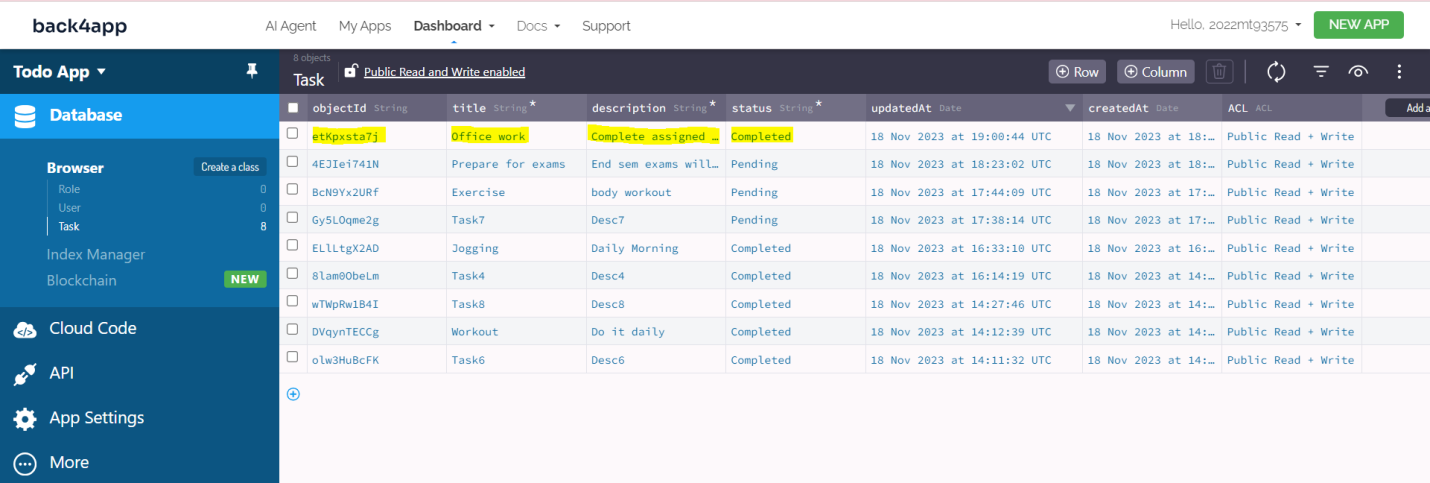
Added functionality for updating and deleting existing tasks

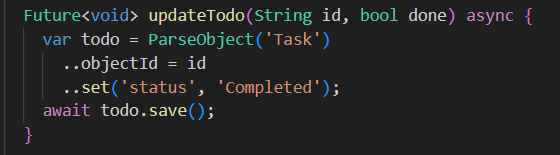
Updated task ‘Office work’ to Completed



Put query in logs

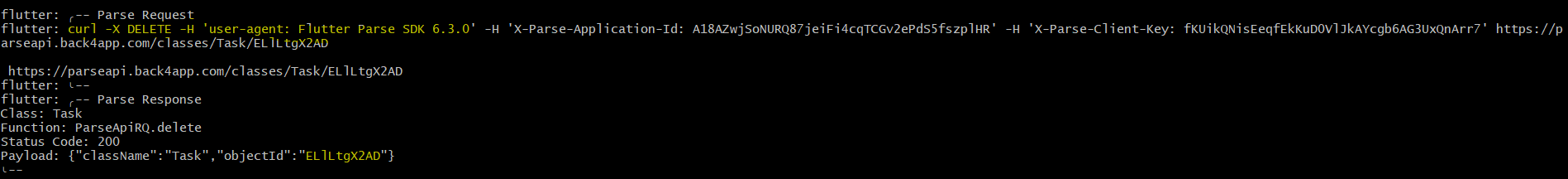


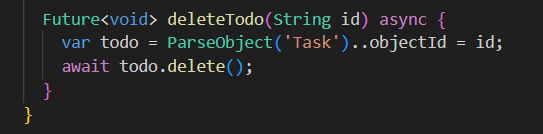




Deleted task ‘Jogging’

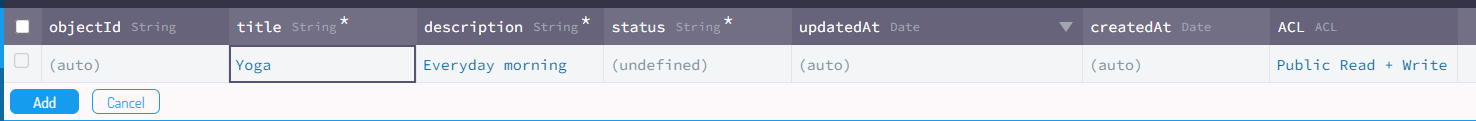
Delete query in logs

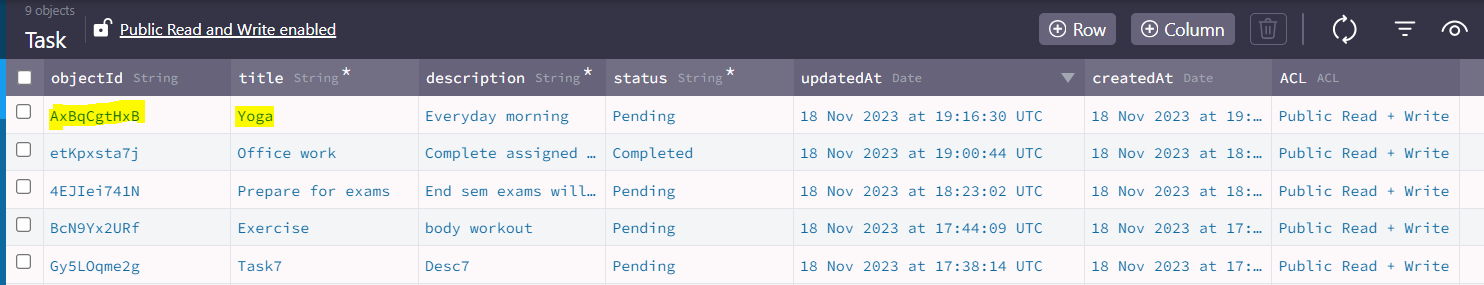


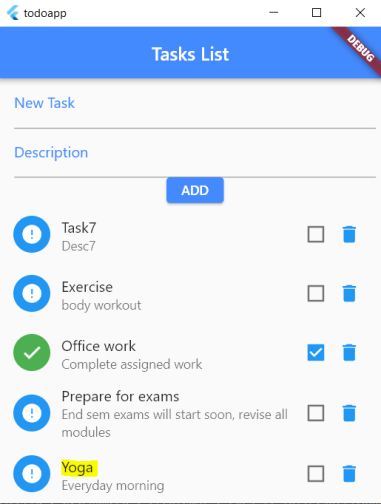


Add, Update, Deletion of tasks in Back4App will get reflected in Flutter Todo app

New task ‘Yoga’

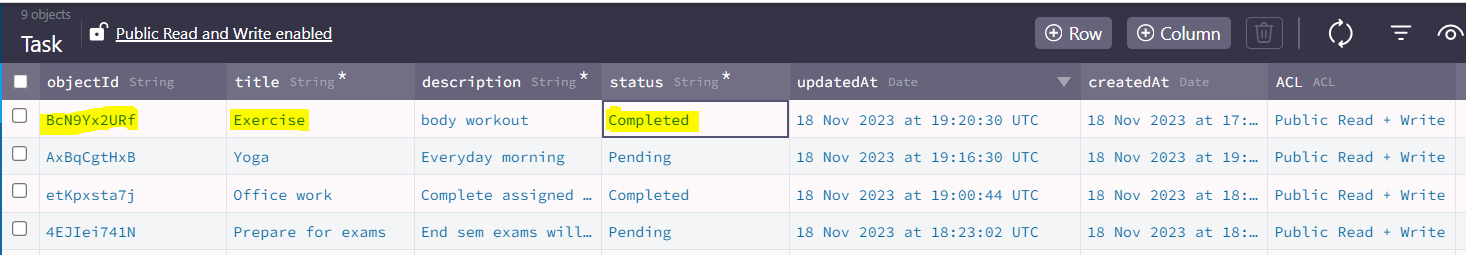


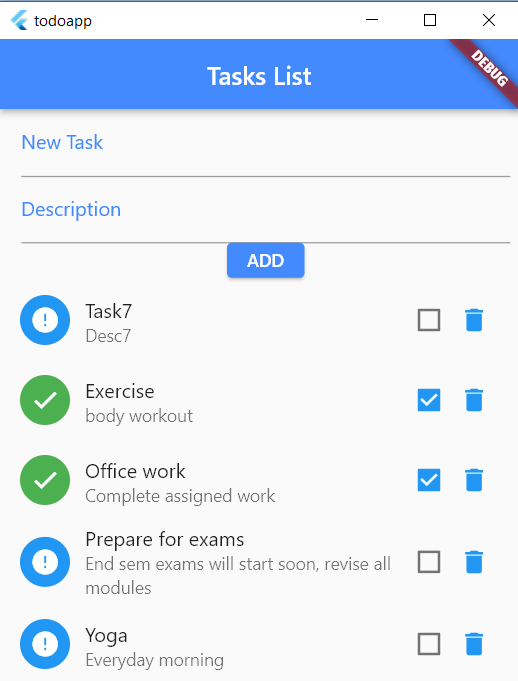




Update task ‘Exercise’ to Completed

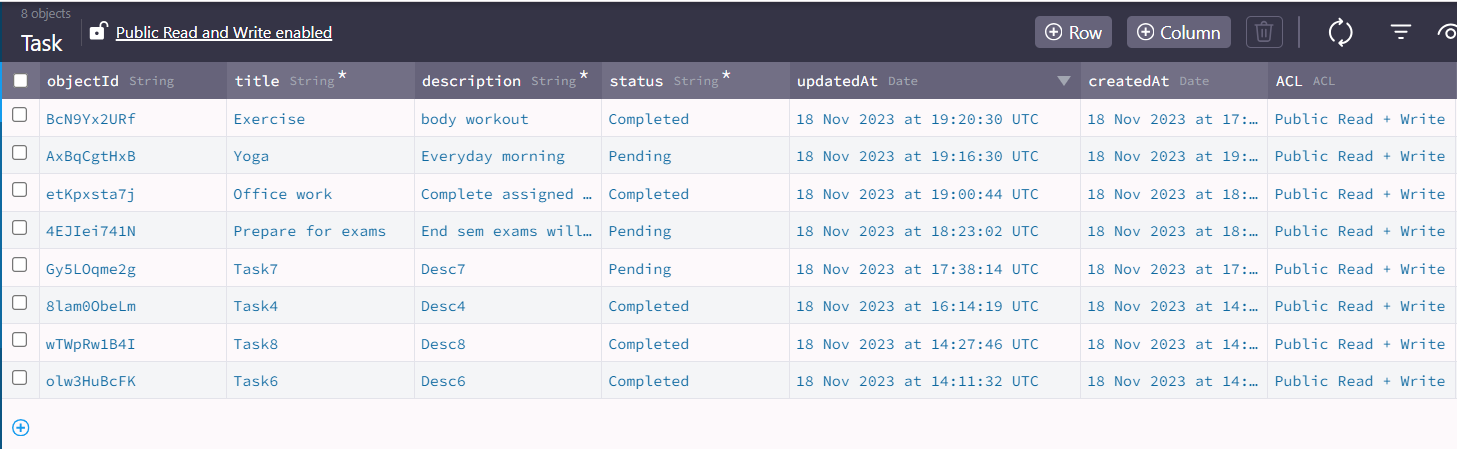


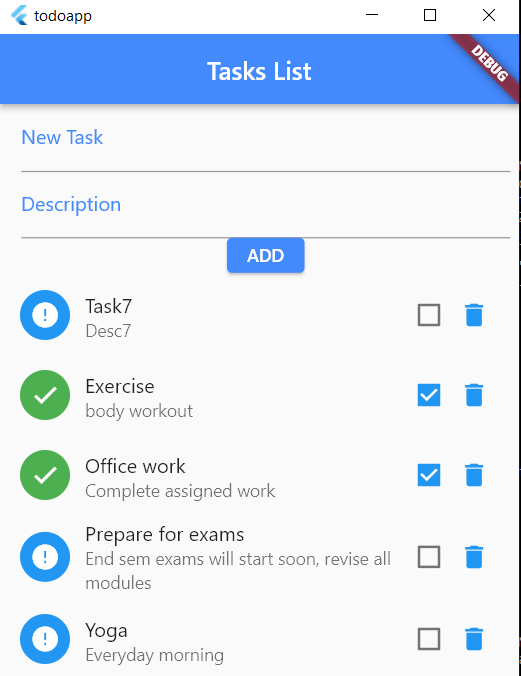




Delete task ‘Workout’







Git Hub Repository Link: https://github.com/saiteja-gaddam/Flutter-App-with-Back4App-Integration