

Assignment

Assignment Title: **Flutter App with Back4App Integration**

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Assignment Description:

In this assignment, you will create a Flutter app that connects to Back4App, a Backend-as-a-Service (BaaS) platform, to manage tasks. You will be responsible for setting up the Back4App backend, creating the Flutter app, and implementing the necessary functionality to interact with the backend.

Use the git hub repository

<https://github.com/RajanDhingani123/git>

Assignment Steps:

Step 1: Set Up Back4App

Sign up for a Back4App account (if not already done).

Create a new Back4App app.

Create a class in Back4App named Task with columns title (String) and description (String).

← → ↻ parse-dashboard.back4app.com/apps/b863bdc3-9cbd-4bbb-97ee-83ac2d71ac52/browser/ToDo

back4app AI Agent My Apps Dashboard Docs Support Hello, 2022mt1321

MyBitsDemo

Database

Browser

Create a class

Role 0

User 0

B4aVehicle 1

MyFirstClass 14

TaskDashboard 5

ToDo 6

task 1

Index Manager

Blockchain

NEW

Cloud Code

API

App Settings

More

Support

6 objects

ToDo Public Read and Write enabled

Row Column






















objectID	String	updatedAt	Date	createdAt	Date	ACL	ACL	title	String	done	Boolean	titledescription	Str
<input type="checkbox"/>	m5sBuRqNP0	10 Nov 2023 at 12:...		10 Nov 2023 at 12:...		Public Read + Write		data entry		False		data entry	
<input type="checkbox"/>	EZwthis4Z3	10 Nov 2023 at 12:...		10 Nov 2023 at 12:...		Public Read + Write		Task1		False		Task1	
<input type="checkbox"/>	3zvKh18j1N	10 Nov 2023 at 12:...		10 Nov 2023 at 12:...		Public Read + Write		Create a new Back4...		False		Create a new Back4...	
<input type="checkbox"/>	SdZQqYAcGG	10 Nov 2023 at 12:...		10 Nov 2023 at 12:...		Public Read + Write		Step 1.1: Set Up B...		False		Step 1.1: Set Up B...	
<input type="checkbox"/>	EoqPHDU4mF	10 Nov 2023 at 12:...		10 Nov 2023 at 12:...		Public Read + Write		Sign up for a Back...		False		Sign up for a Back...	
<input type="checkbox"/>	RiEgu6FYoa	10 Nov 2023 at 12:...		10 Nov 2023 at 12:...		Public Read + Write		Step 1: Set Up Bac...		False		Step 1: Set Up Bac...	

## Step 2: Flutter Setup

Create a new Flutter project.

Add the required dependencies to your pubspec.yaml file.

Initialize the Parse SDK in your Flutter app.

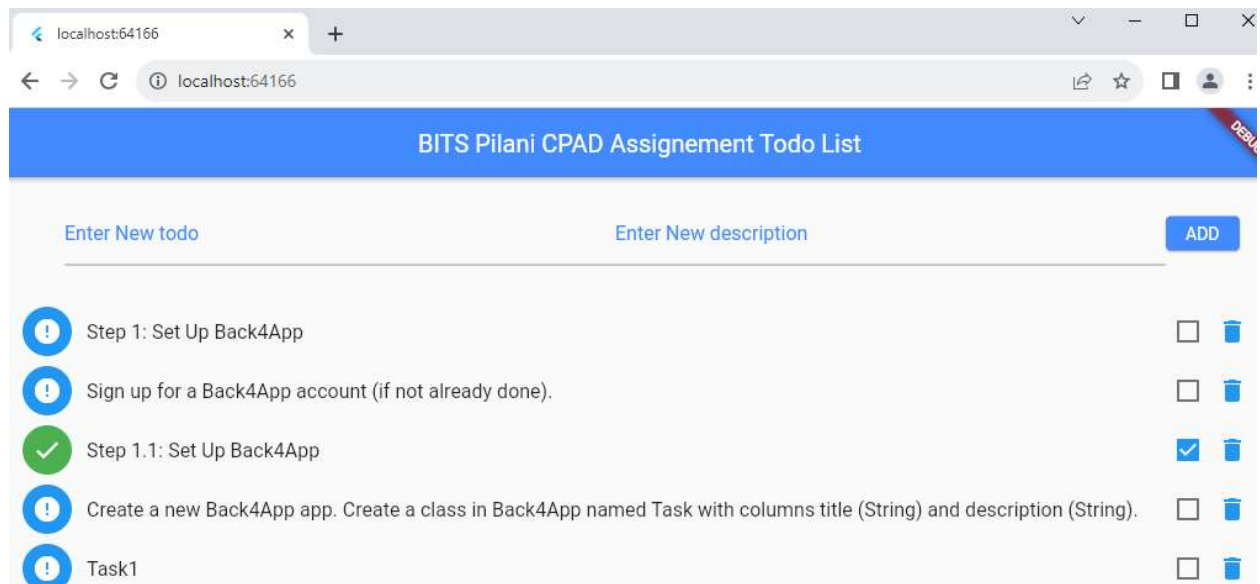
 > This PC > KB (D:) > flutter_parse				
<input type="checkbox"/> Name	Date modified	Type	Size	
 .dart_tool	11/10/2023 6:17 PM	File folder		
 .idea	11/4/2023 11:49 PM	File folder		
 android	11/4/2023 11:49 PM	File folder		
 build	11/10/2023 6:18 PM	File folder		
 ios	11/4/2023 11:49 PM	File folder		
 lib	11/4/2023 11:49 PM	File folder		
 linux	11/4/2023 11:49 PM	File folder		
 macos	11/4/2023 11:49 PM	File folder		
 test	11/4/2023 11:49 PM	File folder		
 web	11/4/2023 11:49 PM	File folder		
 windows	11/4/2023 11:49 PM	File folder		
 .flutter-plugins	11/10/2023 6:17 PM	FLUTTER-PLUGINS...	2 KB	
 .flutter-plugins-dependencies	11/10/2023 6:17 PM	FLUTTER-PLUGINS...	6 KB	
 .gitignore	11/4/2023 11:49 PM	Text Document	1 KB	
 .metadata	11/4/2023 11:49 PM	METADATA File	2 KB	
 analysis_options.yaml	11/4/2023 11:49 PM	Yaml Source File	2 KB	
 flutter_parse.iml	11/4/2023 11:49 PM	IML File	1 KB	
 pubspec.lock	11/10/2023 6:17 PM	LOCK File	17 KB	
 pubspec.yaml	11/5/2023 11:56 PM	Yaml Source File	4 KB	
 README.md	11/4/2023 11:49 PM	Markdown Source ...	1 KB	

### Step 3: Task List

Create a screen in your Flutter app to display a list of tasks.

Implement a function to fetch tasks from Back4App using the Back4App API.

Display the tasks in a list view with titles and descriptions.

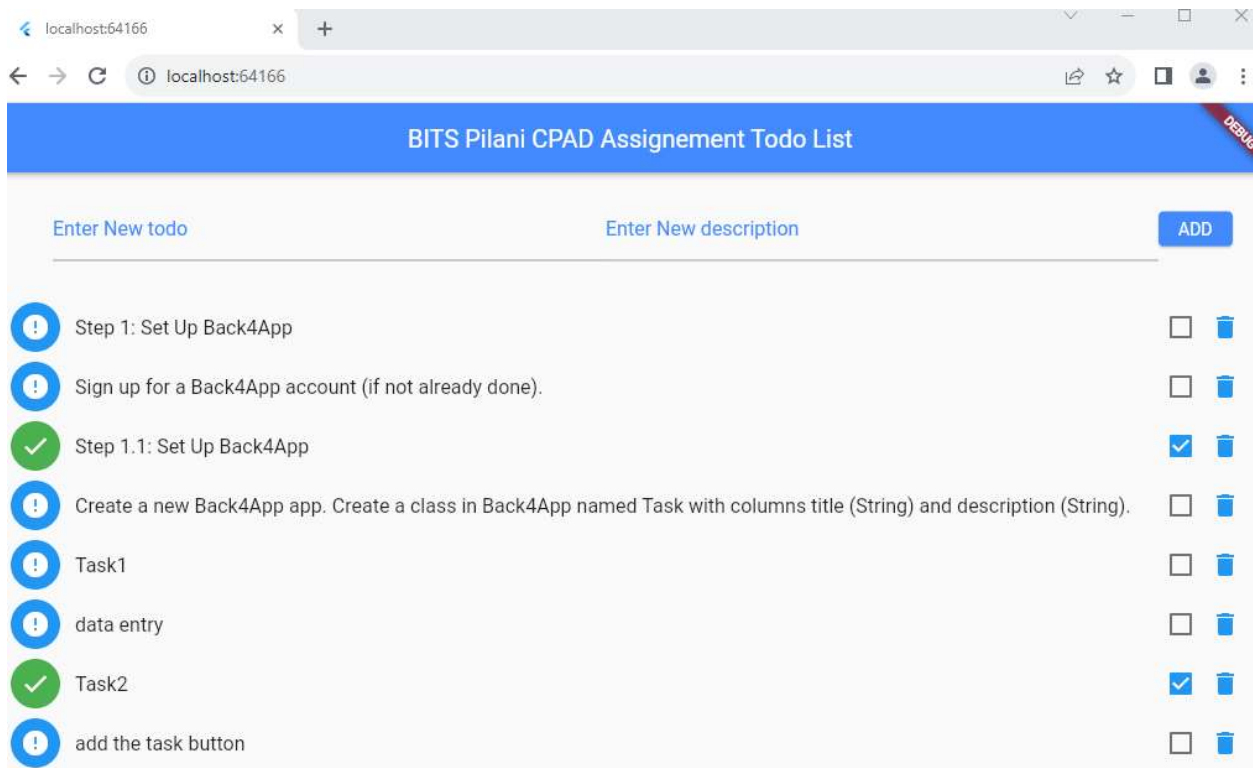


#### Step 4: Task Creation (10 points)

Create a screen for adding new tasks.

Implement functionality to create and save tasks to Back4App.

Verify that newly created tasks appear in the task list.



## Step 5: Task Details

Add a feature to view task details when a task is tapped in the task list.

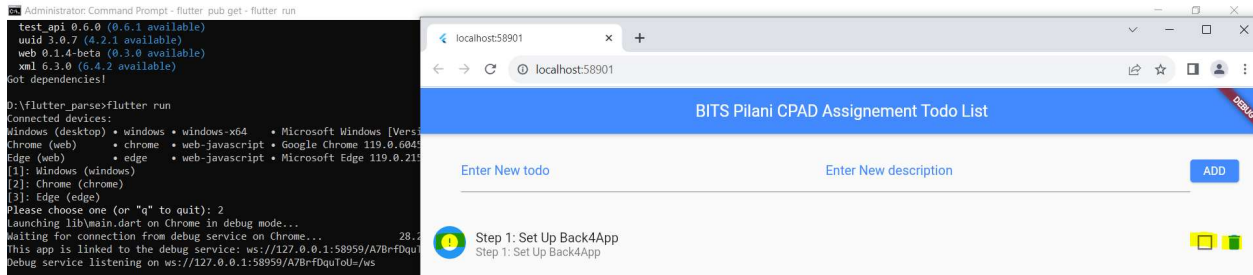
Display the title and description of the selected task.

10 objects

Public Read and Write enabled

⊕ Row ⊕ Column 🗑

objectId	String	updatedAt	Date	createdAt	Date	ACL	ACL	title	String	done	Boolean	titledescription
RTUjxqXzgz		10 Nov 2023 at 13:...		10 Nov 2023 at 13:...		Public Read + Write		list of task		False		list of task
euTdxCHKaw		10 Nov 2023 at 13:...		10 Nov 2023 at 13:...		Public Read + Write		list of work		False		list of work
sEacPz49ER		10 Nov 2023 at 12:...		10 Nov 2023 at 12:...		Public Read + Write		add the task button		False		add the task bu
C5Fpe0cBMC		10 Nov 2023 at 12:...		10 Nov 2023 at 12:...		Public Read + Write		Task2		False		Task2
m5sBuRqNPO		10 Nov 2023 at 12:...		10 Nov 2023 at 12:...		Public Read + Write		data entry		False		data entry
EZwthi54Z3		10 Nov 2023 at 12:...		10 Nov 2023 at 12:...		Public Read + Write		Task1		False		Task1
3zVhKl8j1N		10 Nov 2023 at 12:...		10 Nov 2023 at 12:...		Public Read + Write		Create a new Back4...		False		Create a new Be
SdZQqYAcGG		10 Nov 2023 at 12:...		10 Nov 2023 at 12:...		Public Read + Write		Step 1.1: Set Up B...		False		Step 1.1: Set L
EoqPHDU4mF		10 Nov 2023 at 12:...		10 Nov 2023 at 12:...		Public Read + Write		Sign up for a Back...		False		Sign up for a E
RiEguGFYoa		10 Nov 2023 at 12:...		10 Nov 2023 at 12:...		Public Read + Write		Step 1: Set Up Bac...		False		Step 1: Set Up

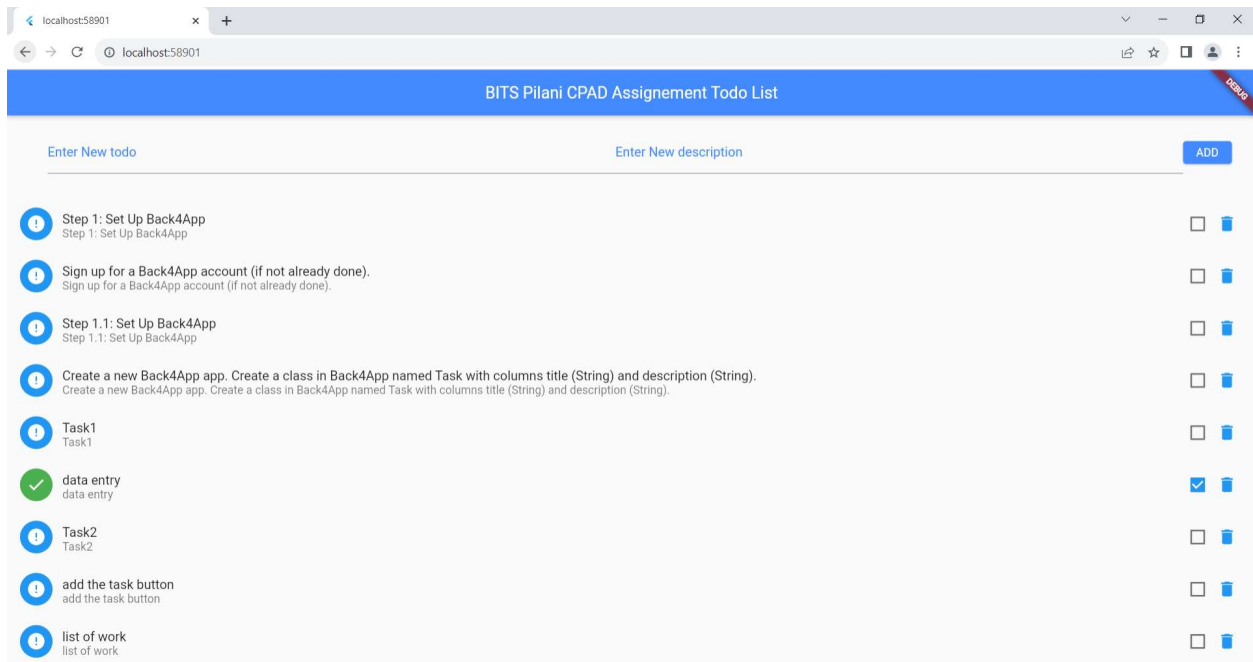


## Step 6: Bonus Features

Add a feature to edit and update existing tasks.

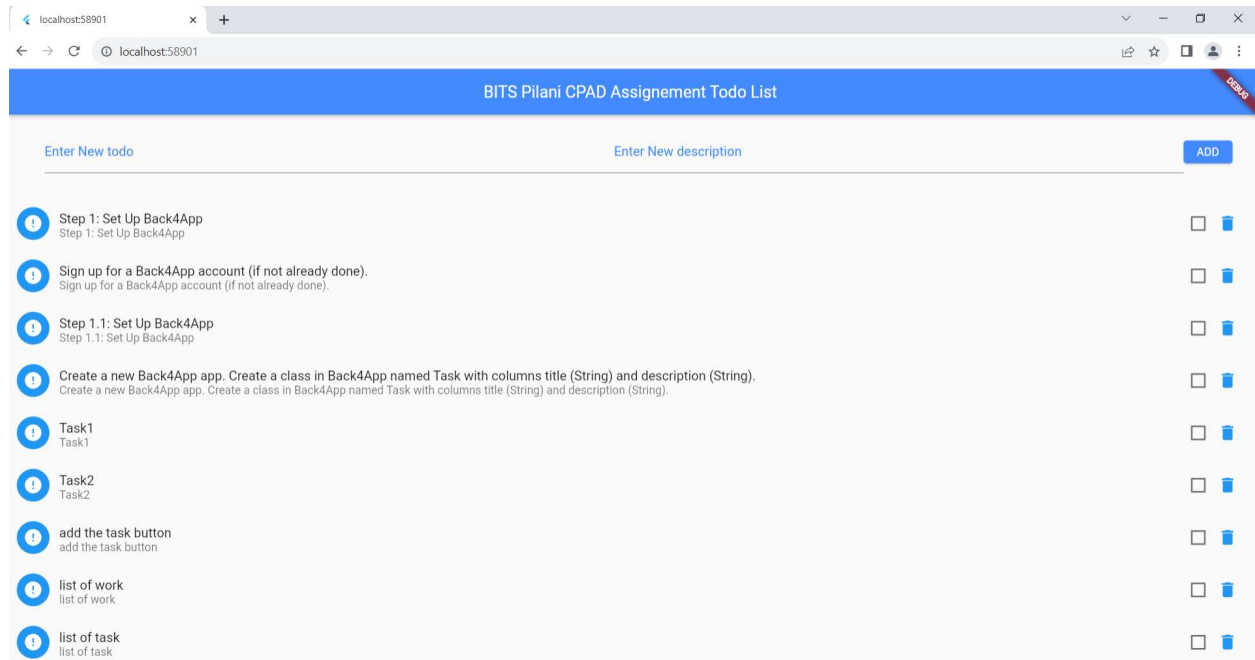
Implement a feature for task deletion.

Add any additional features.



Click check for the done task

Delete symbol to delete the task



Submission:

Submit the link to your GitHub repository where you've hosted your Flutter app code.

Include a short README explaining how to set up and run your app.

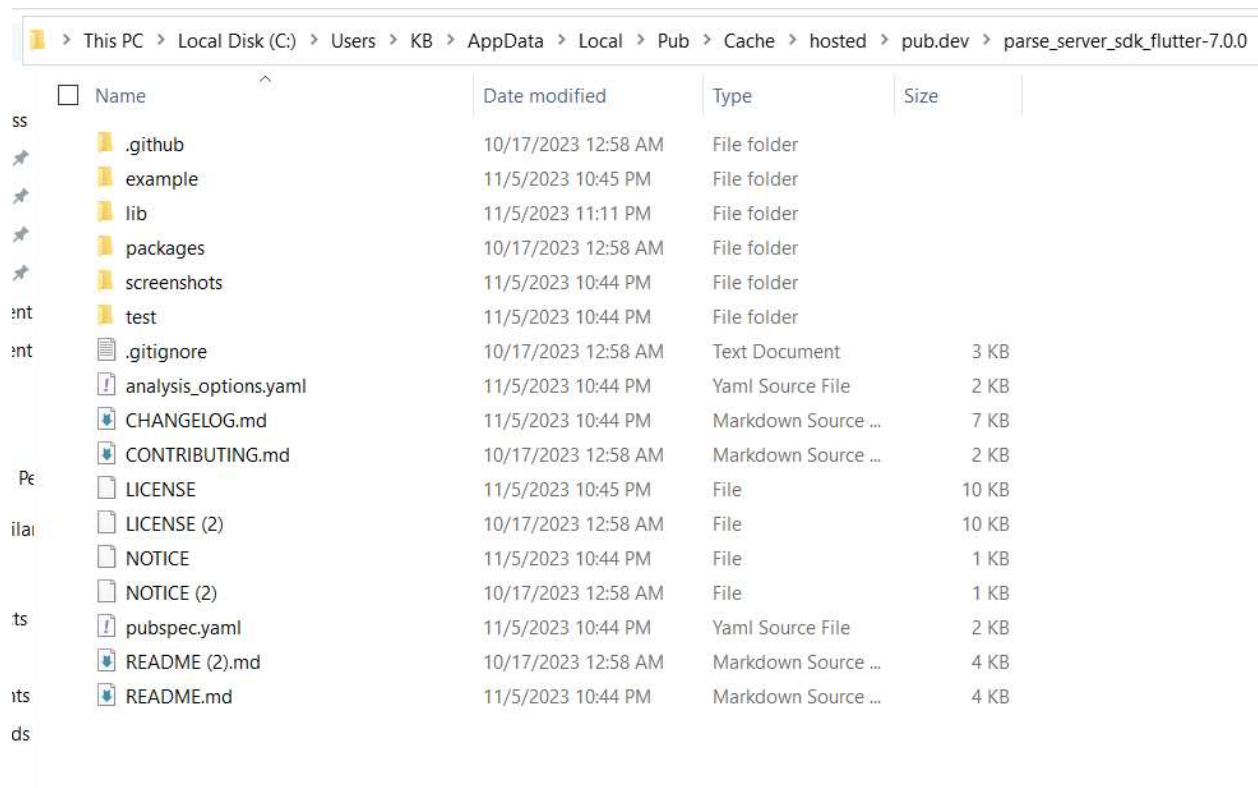
Provide a brief overview of any bonus features you've implemented (if any).

## Appendix A:

Need to set some local setting

Below file need to add manually under the local user folder

C:\Users\xxxx\AppData\Local\Pub\Cache\hosted\pub.dev\parse\_server\_sdk\_flutter-7.0.0



	Name	Date modified	Type	Size
	.github	10/17/2023 12:58 AM	File folder	
	example	11/5/2023 10:45 PM	File folder	
	lib	11/5/2023 11:11 PM	File folder	
	packages	10/17/2023 12:58 AM	File folder	
	screenshots	11/5/2023 10:44 PM	File folder	
	test	11/5/2023 10:44 PM	File folder	
	.gitignore	10/17/2023 12:58 AM	Text Document	3 KB
	analysis_options.yaml	11/5/2023 10:44 PM	Yaml Source File	2 KB
	CHANGELOG.md	11/5/2023 10:44 PM	Markdown Source ...	7 KB
	CONTRIBUTING.md	10/17/2023 12:58 AM	Markdown Source ...	2 KB
	LICENSE	11/5/2023 10:45 PM	File	10 KB
	LICENSE (2)	10/17/2023 12:58 AM	File	10 KB
	NOTICE	11/5/2023 10:44 PM	File	1 KB
	NOTICE (2)	10/17/2023 12:58 AM	File	1 KB
	pubspec.yaml	11/5/2023 10:44 PM	Yaml Source File	2 KB
	README (2).md	10/17/2023 12:58 AM	Markdown Source ...	4 KB
	README.md	11/5/2023 10:44 PM	Markdown Source ...	4 KB

use the command prompt for accessing flutter\_parse repository in local

Please don't use the C drive, create the new drive like D:

Use the flutter pub get to build libs

Use flutter run to run the application