

Nathanael Selvaraj

Repository: <https://github.com/JS-Nate/FlutterCaloriesCalculator-app>

Beginning this assignment proved more challenging than anticipated, as i was not as familiar with the Flutter system as I was with Android Studio.

To run this app i opened the project file in terminal and ran 'flutter run' and then choose either 1,2 or 3

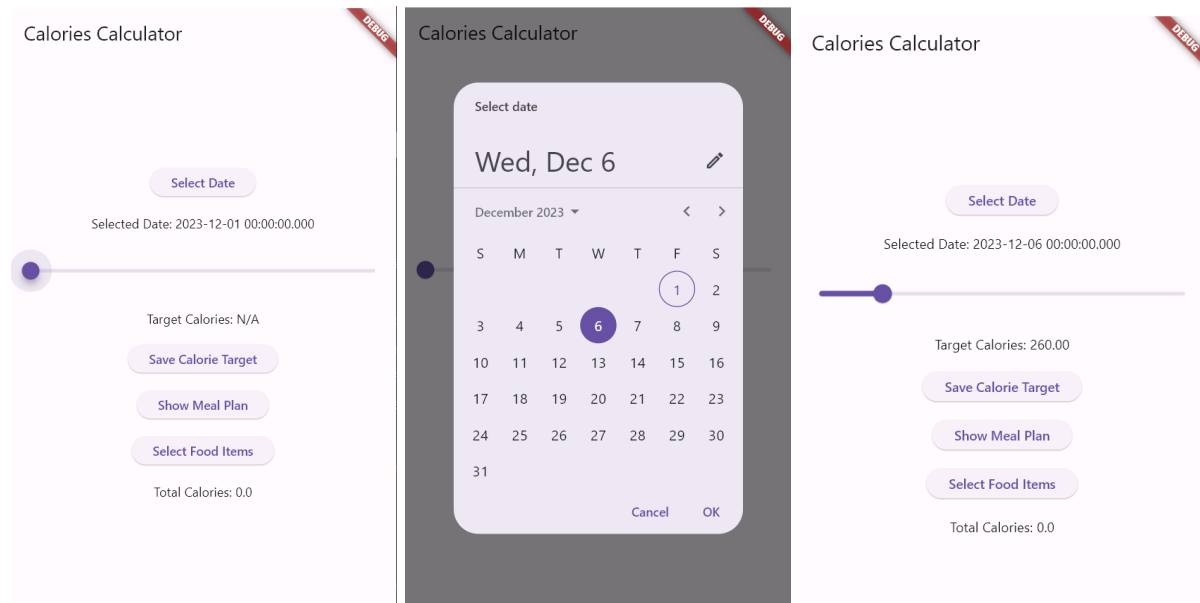
```
C:\Users\natt4\Downloads\calorie_app>flutter run
Connected devices:
Windows (desktop) • windows • windows-x64 • Microsoft Windows [Version 10.0.19045.3693]
Chrome (web) • chrome • web-javascript • Google Chrome 119.0.6045.160
Edge (web) • edge • web-javascript • Microsoft Edge 119.0.2151.93
[1]: Windows (windows)
[2]: Chrome (chrome)
[3]: Edge (edge)
Please choose one (or "q" to quit): 1
Launching lib\main.dart on Windows in debug mode...
Building Windows application... 9.6s
✓ Built build\windows\x64\runner\Debug\calorie_app.exe.
Syncing files to device Windows... 68ms

Flutter run key commands.
r Hot reload.
R Hot restart.
h List all available interactive commands.
d Detach (terminate "flutter run" but leave application running).
c Clear the screen.
q Quit (terminate the application on the device).

A Dart VM Service on Windows is available at: http://127.0.0.1:49772/tn_n957B5mA=/
The Flutter DevTools debugger and profiler on Windows is available at:
http://127.0.0.1:9101?uri=http://127.0.0.1:49772/tn_n957B5mA=/
```

The main function of my app is a calorie calculator. The user can select any specific date.

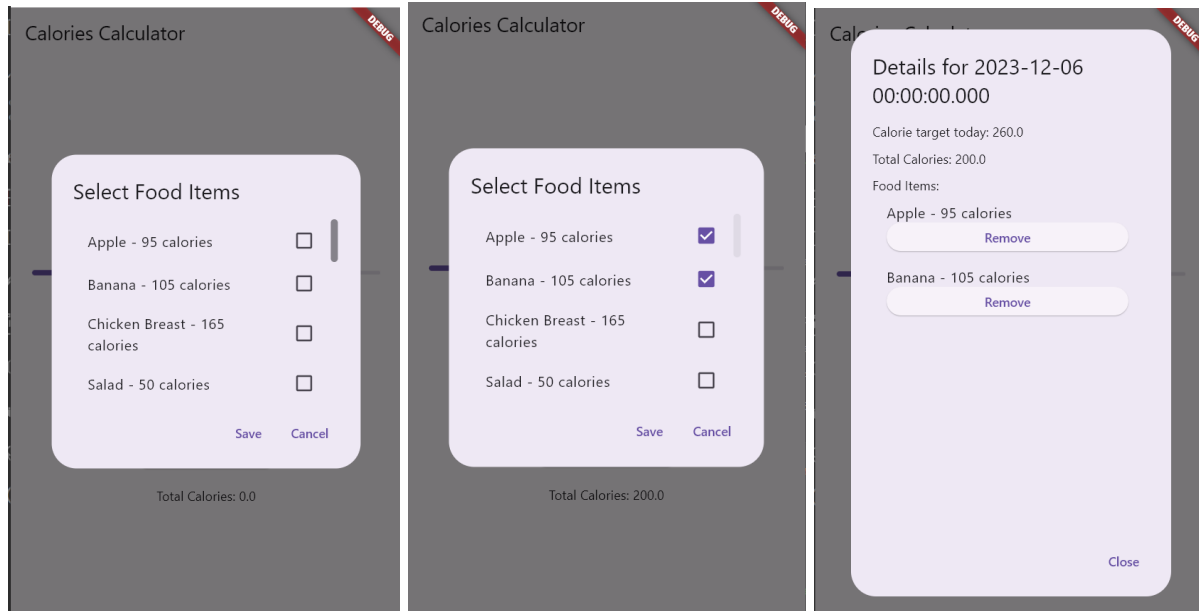
For each date, I added a slider for them to set a target number of calories to eat for that date. And it will save for that date.



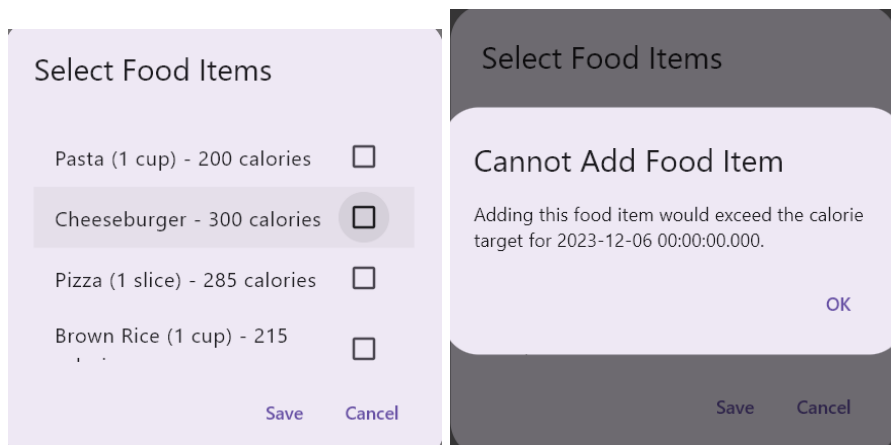
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Then there is a list of food items of 20 or so food items stored in the database. Each one has a name and calorie amount to it. On each date, in addition to a target calorie amount, the user can also add food items from that list to their meal plan for that date. The user can also edit and remove food items from that date's meal plan.



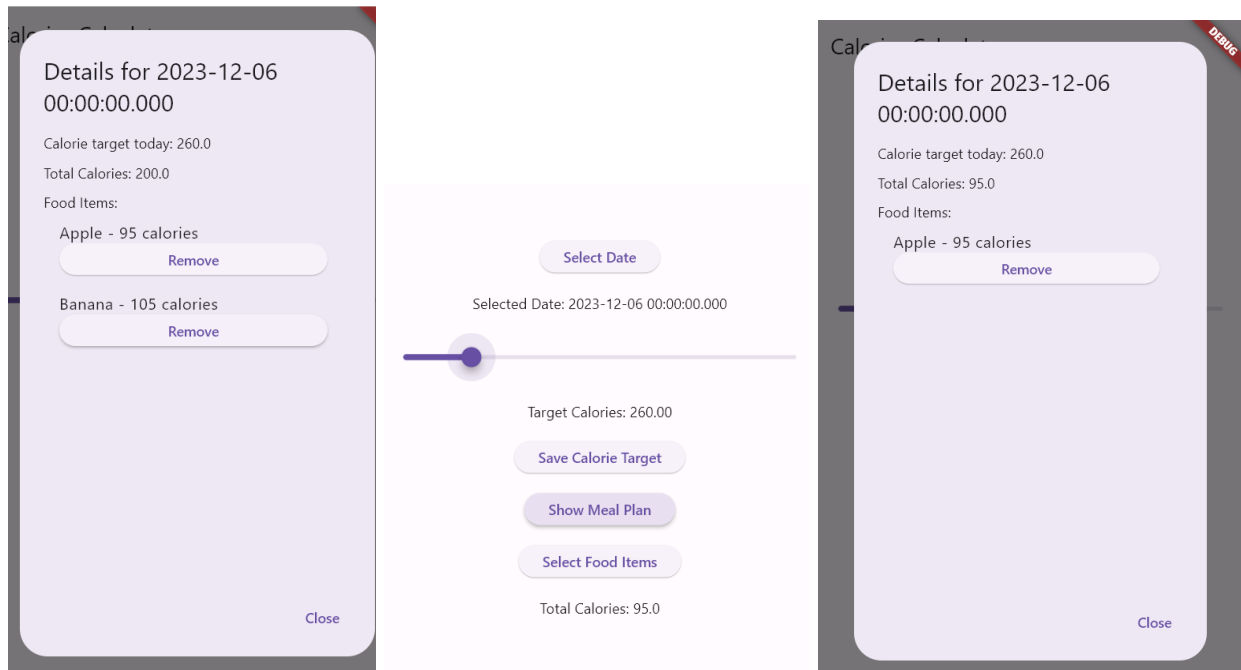
I added a function that counts the sum of calories of all the food items saved on each date. Each time the user adds a food item to a date, the function checks and updates the calorie sum. If when a user adds a food item but adding that food item will have the sum exceed the target calories of that date, the app will stop them and inform the user that they cannot exceed the target calorie count. If they want to they can increase the target calories for that date, that's not a problem. So for example I have a target set of 260 calories on December 6th, and I already have 200 calories worth of food in that date's meal plan. If i try to add another food who will exceed the target count, the app wont let me.



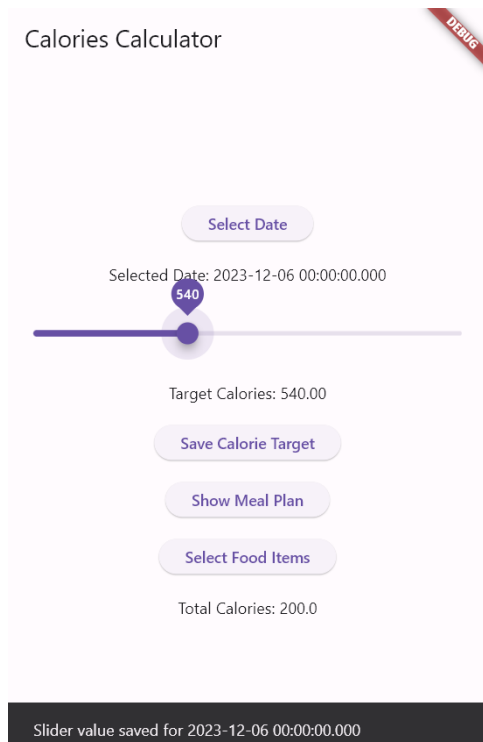
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So i have to remove items from that date



Or update the database by changing the calorie target of that date



**NOTE:** when you download/clone the project, be sure to update the path specified in the CMakeCache.txt