IIITB Mess App

- **Idea**

  We have all seen the “Food wasted today” board in the mess area and all of us have regretted at the times we have wasted food, but does anyone ever wonder why thousands of Kilograms of food is wasted every month?

  Has anyone ever thought that food might be wasted because it just wasn’t “Good” or even “edible”?

  Everyone tells us not to take food in excessive amounts, but what if the food we take even in normal amounts isn’t even edible?

  There is a complaint register, but who has the time to go through each and every one of the entries?

  So, to ease this process, I created an app to take the ratings of Breakfast, Lunch and Dinner for each day and if the rating of any particular meal falls below a pre-described minimum(let’s say a 1.5 out of 5), it would be removed from the mess menu.

- **Technology used and implementation details**

  The app is coded in Swift, and the UI is made with the help of Xcode. The database is made in SQLite, which stores a serial number of all the ratings, the type of meal (Breakfast/Lunch/Dinner) written as B/L/D and the rating a person would like to give it out of a maximum of 5.

  The project was started out to create an app for the exact same purpose and it was built to take ratings for Breakfast,Lunch and Dinner separately and then make the inputs a part of the list and then take the average of each list and then print the result as the average of each list, but as it turns out, with each iteration of the app, the list would stop appending itself and start with a new list altogether.

To tackle with the above problem, I sought to use a database for the same, the only difference being that the person would now have to Manually type the meal they are having and the ratings. Hence, I ended up creating another version of the app altogether.

(I tried returning values by pressing buttons, but it just didn't work the way I wanted it to)

- **Images/screenshots or links to videos (would highly recommend to add videos too)**

  Youtube links to Demonstrations (of both versions) of my app(s):

  Version 1.0: https://www.youtube.com/watch?v=Hebk_TnfCbQ
  Version 1.1: https://www.youtube.com/watch?v=0NDq7tu1Js8

  How I learnt the basics of Swift and created the first version of my app:

  http://jamesonquave.com/blog/developing-ios-apps-using-swift-tutorial-part-2/

  https://www.appcoda.com/learnswift/stack-views.html

  How I learnt creating an SQLite database in Swift and I pretty much followed the same code the person using in this video:

  https://www.youtube.com/watch?v=c4wLS9py1rU

- **Future scope of your project**

  I am working on creating an Average column in the database which automatically computes the average of the entries in the ratings section and also a complaints portal for the same, so that people can complain about the mess food with the convenience of their rooms as well :)

- **How was your overall experience while doing the project**

  Tiring, but the learning part was pretty great.
  There were days where I would keep thinking that I could append the list in different ways so that I wouldn't have to create another app, but I had to give in at the end and to be honest, I like the first version of my app better than the second because I think I learned a lot more while building the first one.