



THE DIET HEALTH APP (TDHA)

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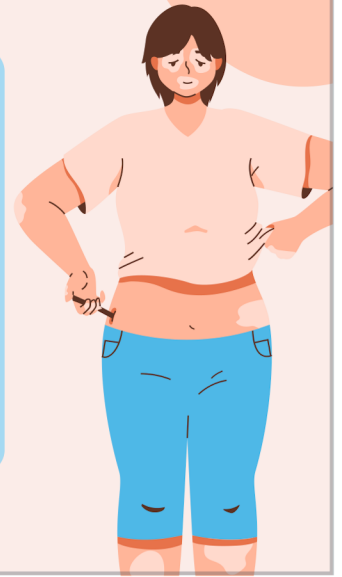
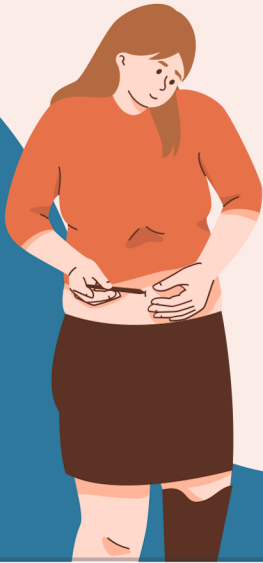
THE STRUCTURE

- Rationale and Patterns
- Explanation
- UML and Sequence Diagrams
- The Ups and Downs



WHAT IS T.D.H.A

T.D.H.A is an app developed by two students who found a drastic need to help their fellow peers stay healthy and fit just like them. T.D.H.A. is a health-regulating diet app that collects information on the food which the user consumes, measures its calories, and measures the user's exercises in order to provide the fat user with quality information on their unhealthy habits





PATTERNS AND REALATION

Simple
MVC pattern
Separation of concerns
Composite Pattern

EXPLANATION

For the explanation we will detaily explain each class and what they are supposed to do and how in detail so that we may avoid any questions

SIMPLE FOOD CLASS

Contains requested parameters for b food.

Contains a constructor for basic food

Show detail method

basic template for all the other files

RECIPE CLASS

Similar to simple food class

Recipe constructor

getters and setters

show details

add ingredients

EXERCISE CLASS

very similar
met requirements
Exercise Constructor
getters and setters
print method as required

LOG CLASS

Pretty simple template
default requirements implemented
parameters are recorded and a track is kept
getters and setters for everyone
four different show detail logs

The Ups and Downs syndroms

- Easy to understand
- Simple code
- Managed to satisfy most of the requirements
- Non Functional GUI
- Made by Timmy's!!!! from south park



UML DIAGRAM

SEQUENCE DIAGRAM

