

KAMAT



- ▶ We are students at Faculty of Computers and Information Assiut University.
- ▶ Ahmed Saad AbdulAziz IS dep.
- ▶ Najm Adin Othman Sayed CS dep.
- ▶ We are under the supervision of :
- ▶ Dr. Ibrahim Elsemman IS dep

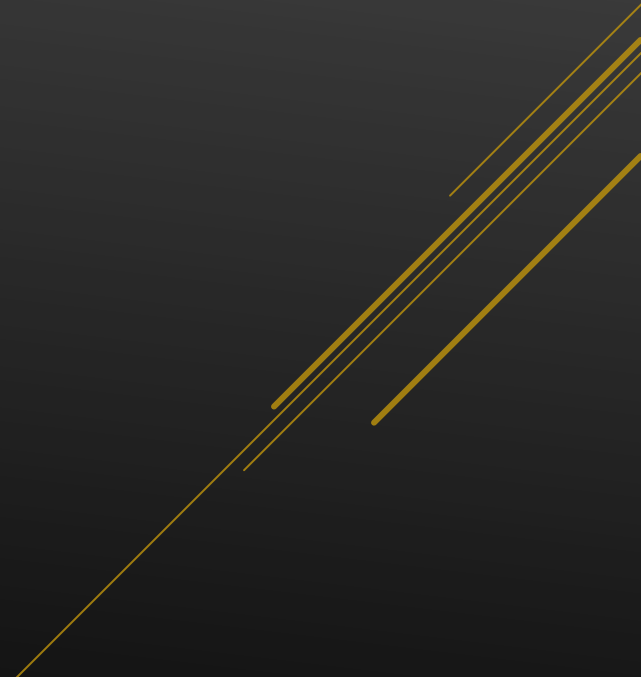
WHO WE ARE?



WHAT IS THE
PROBLEM THAT
WE SOLVE ?

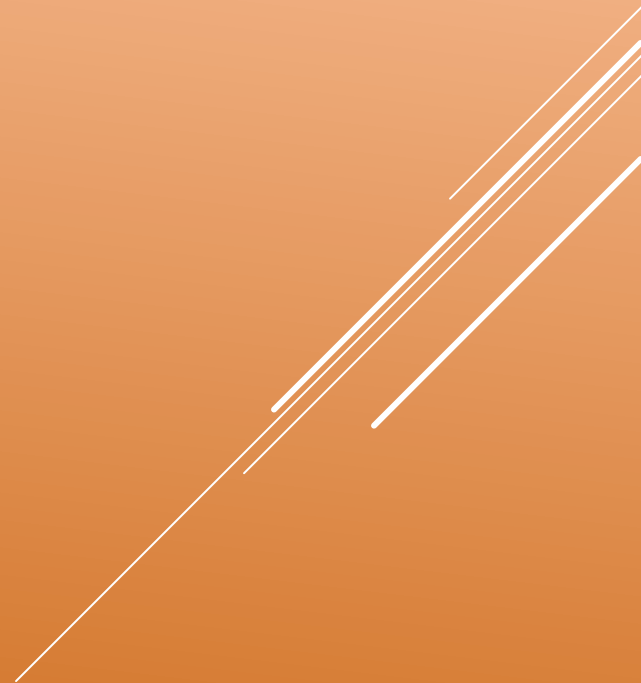


IN SHORT, THE PROBLEM CONSISTS OF:

- ▶ Having a service running continuously in the background
 - ▶ memory limitation
 - ▶ Run the processor in processes that are not the target Which means more pressure on the processor
 - ▶ It takes longer time
- 
- A series of parallel yellow lines of varying lengths and orientations, located in the bottom right corner of the slide, creating a modern, abstract graphic element.



EXAMPLE





THE SOLUTION

Make the program communicate with the data almost directly through a set of functions

Which leads to :-

- ▶ No need for a service that runs continuously in the background
- ▶ Significantly reduce memory usage
- ▶ Reduce stress on the processor
- ▶ Reducing response time

THE SOLUTION

HOW WILL WE
IMPLEMENT THE
SOLUTION?



WE BUILD A SYSTEM TO
HANDLE ALMOST DIRECT
WITH FILES

THE DATA IS DIVIDED INTO
SUB-FLAT-FILES AND ONLY
THE NECESSARY FILES ARE
READ OR LOADED



WE CAN DO THIS BY TWO WAYS!!!

1-Standalone system

2- C++ library



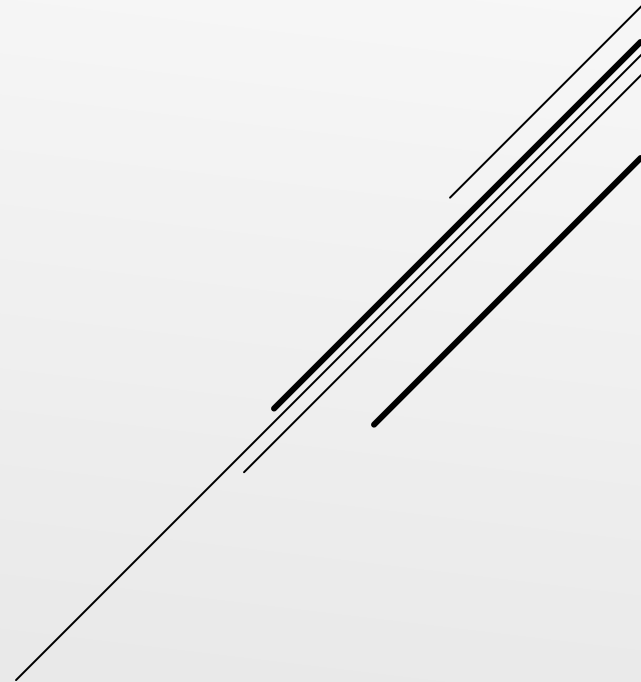
SMALL PROGRAMS THAT RUN ON
DEVICES WITH WEAK CAPABILITIES ARE
MOSTLY EMBEDDED SYSTEM



IN FACT, 90% OR MORE OF
EMBEDDED SYSTEMS' PROGRAMS
DEPEND ON C++ LIBRARIES

WHY C++ LIBRARY NOT OTHER
LANGUAGE?

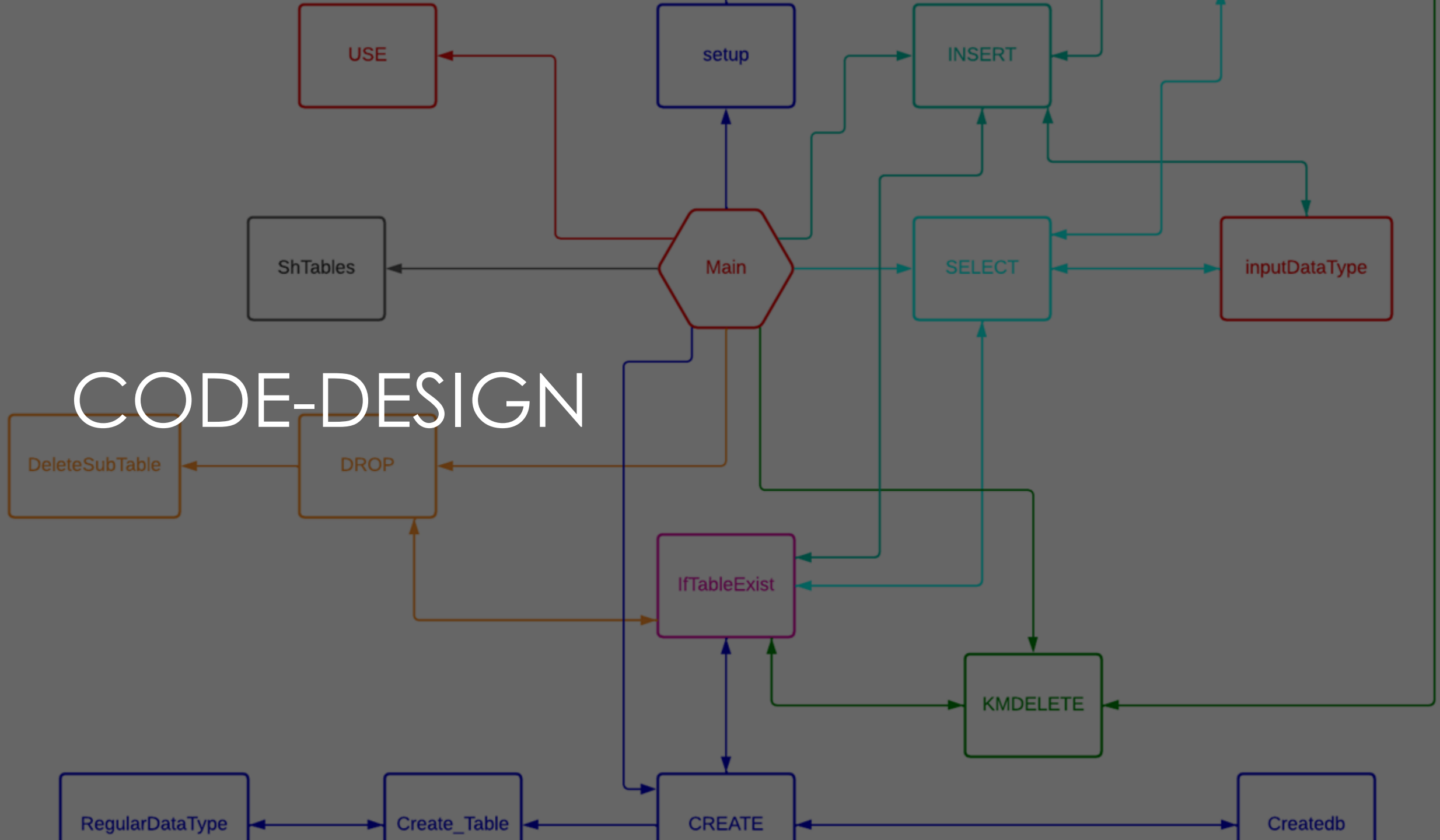
KAMAT PROJECT



WHAT IS KAMAT PROJECT ?

It's a small system to manage sub-flat-filles and data

CODE-DESIGN





THANKS

