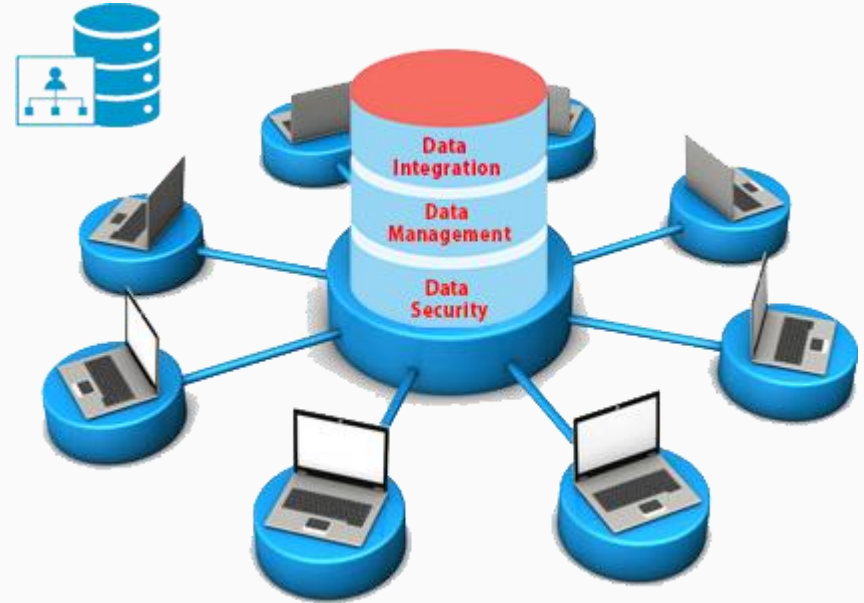


# Database – CRUD Operations

# Problem Statement

Implementation of basic operations of Database i.e. CRUD Operations (Create, Read, Update, Delete) and to implement a database with customized number of attributes.



# The Solution

## Step 1

Firstly, I have decided the way to store and read data. (File System)

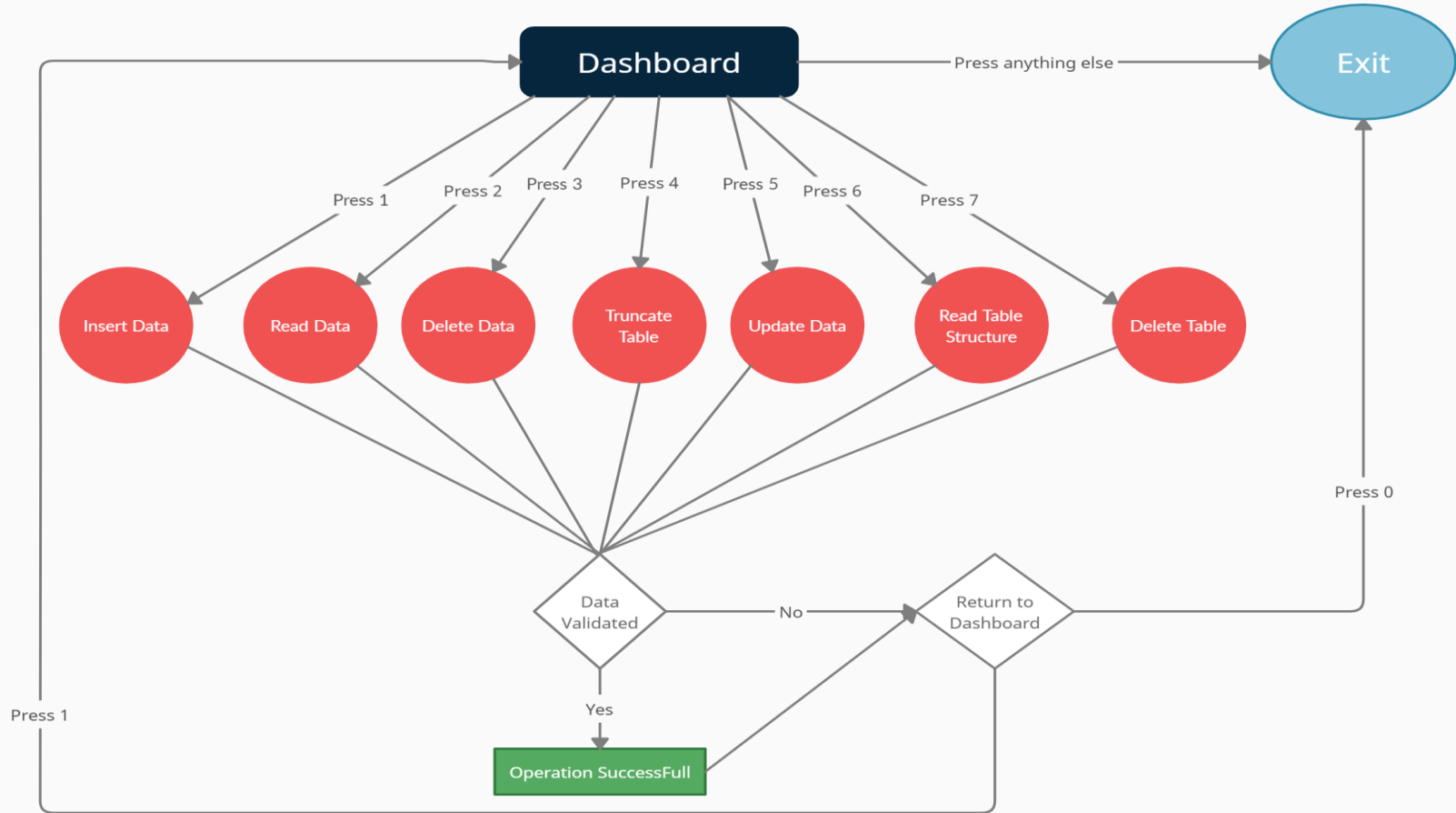
## Step 2

Used union to store data with different data types in same memory location

## Step 3

Created all the required functionality

# Database Flow Diagram



# Demo

```
*****[ Welcome to your Database]*****  
  
Which operation do you want to do?  
1. Insert operation  
2. Read operation  
3. Delete operation  
4. Truncate operation  
5. Update operation  
6. Read table structure  
7. Delete the table(WARNING: This will make database loose all the data)  
Enter any other key to exit the Program
```

**Screenshot showing dashboard of database**

```
*****[ Welcome to your Database]*****  
  
NAME      MARKS    GRADE    PERCENTAGE  
A          12      O        45.600000  
AB         25      C        55.600000  
LK         90      O        89.000000  
  
Press 1 to return to dashboard or 0 to exit
```

**Demo Data showcasing Read All data Functionality**

# GitHub Repository:

<https://github.com/dushyant-26/Database-Project-in-C>

Thank You!