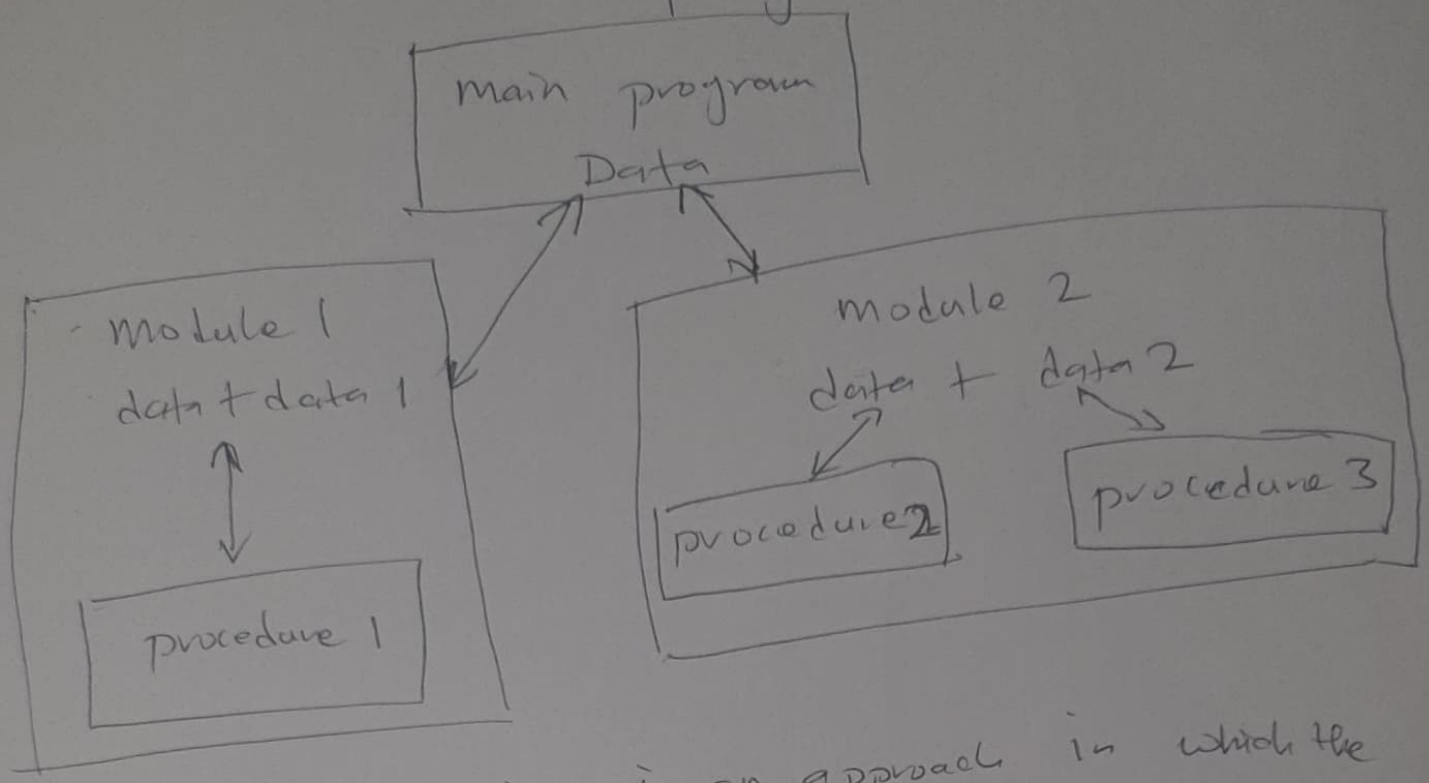
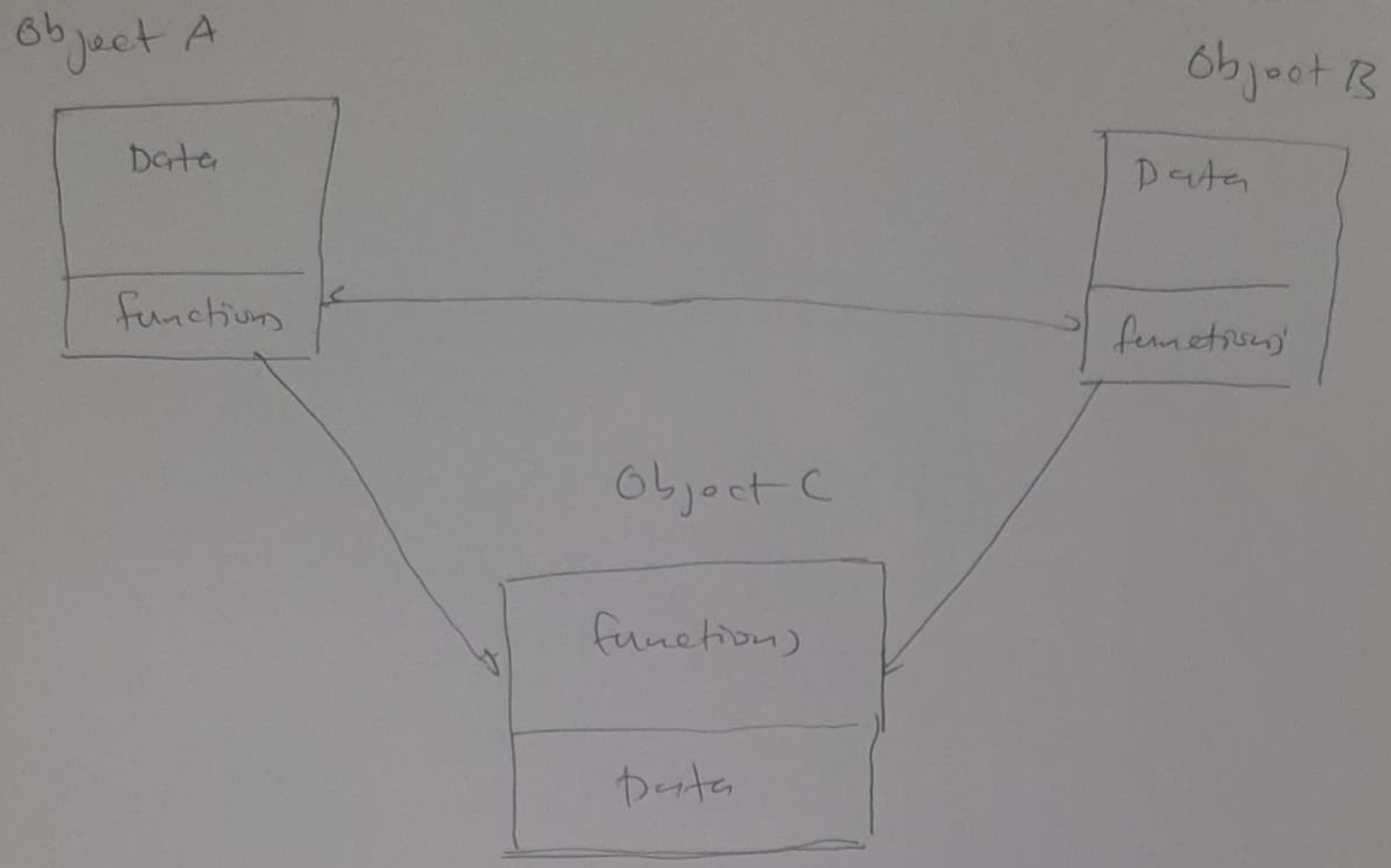
Modular program



modular programming is an approach in which the program is divided into seperate independent units called modules. A modular program consists of main module and sub-module.

1. Main module: modular programming structure consists of many modules, the program entry point is a module, which is located at the top of the other modules. This top level module is called the main module. The main module is the controlling section of a modular programming

② Sub-module: Sub-module is a program which is written under the main module. A modular program may have one or more than one sub module. It is called the sub-program.



Object Oriented Paradigm Emphasises on data rather than procedures. programs in this paradigm are divided into what are known as objects. The data structures are designed such that they characterize the objects. functions that operate on the Data of a object are tied together in the Data structure. Data is hidden and cannot be accessed by external functions. The objects may communicate with each other through functions. New Data and functions can be easily added whenever necessary.

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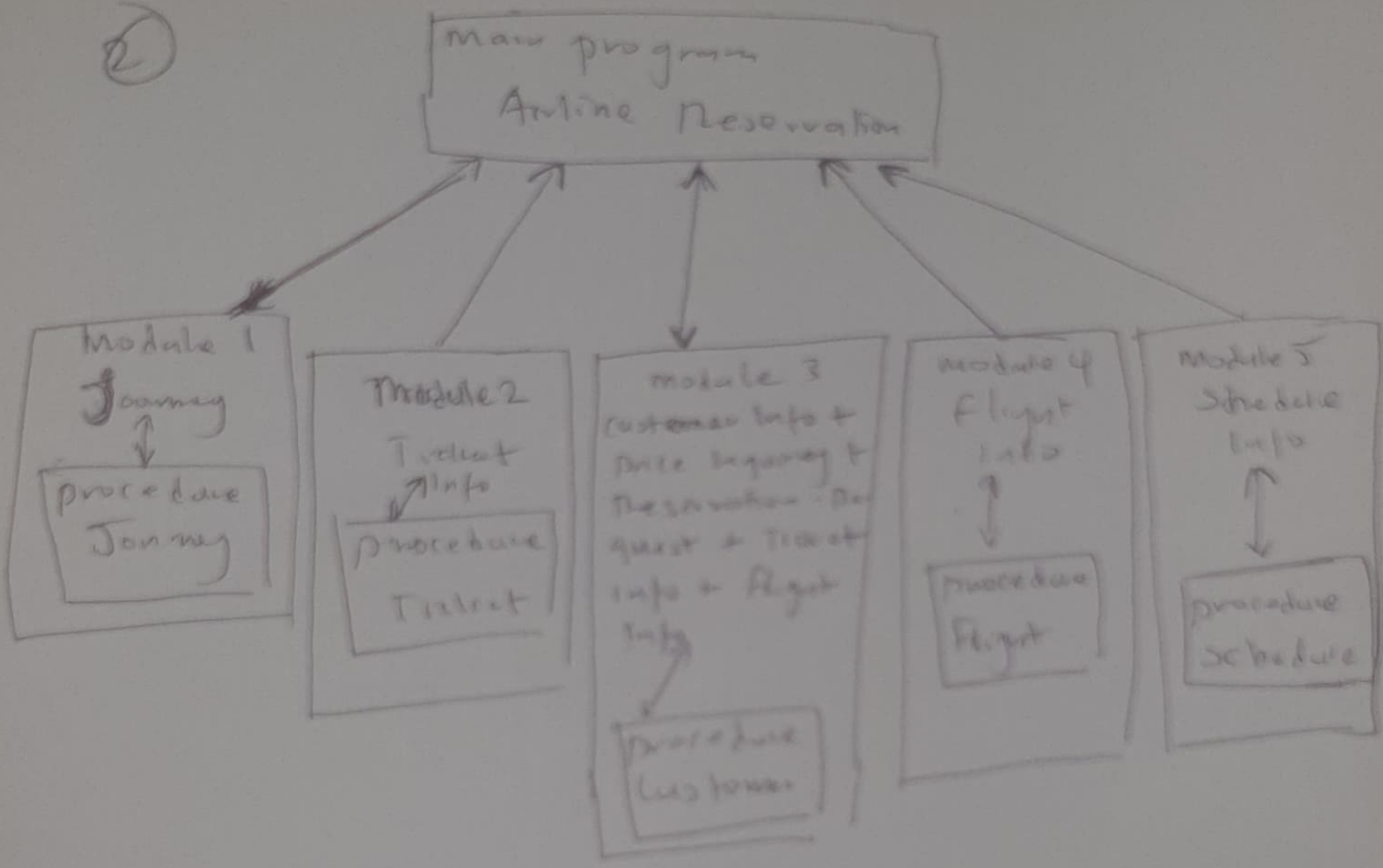
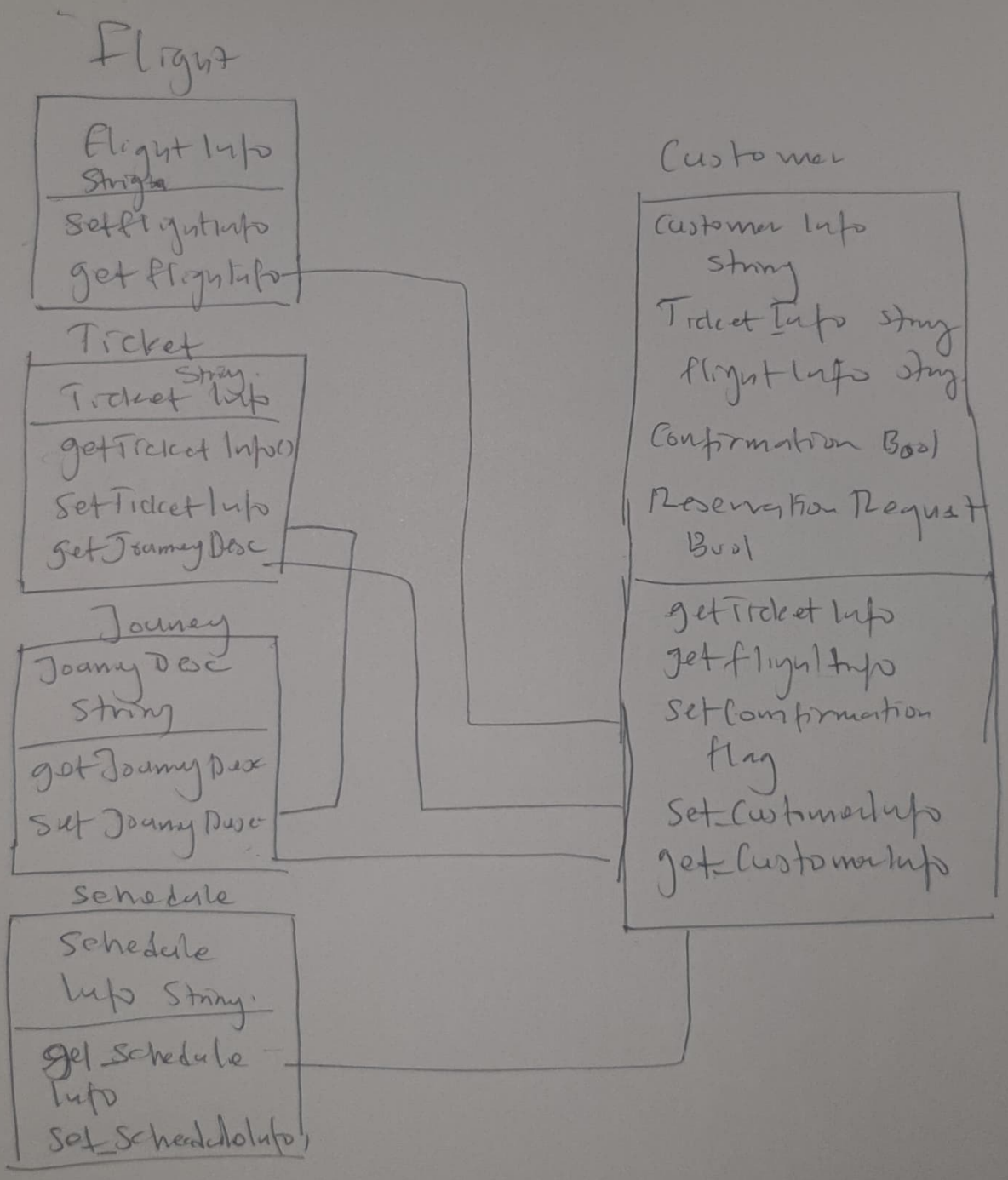

Main program
Airline Reservation
Module 1
Journey
procedure
Journey
Module 2
Ticket
Info
procedure
Ticket
module 3
customer Info +
price Inquiry +
Reservation - Re
quest + Ticket
info + Flight
Info
procedure
Customer
module 4
Flight
Info
procedure
Flight
Module 5
Schedule
Info
procedure
Schedule


Flight
Flight Info String
Set flight Info
get flight Info
Ticket
Ticket Info String
get Ticket Info()
Set Ticket Info
get Journey Desc
Journey
Journey Desc String
get Journey Desc
Set Journey Desc
Schedule
Schedule Info String
get_Schedule Info
Set_Schedule Info
Customer
Customer Info String
Ticket Info String
flight Info String
Confirmation Bool
Reservation Request Bool
get Ticket Info
get flight Info
Set Confirmation flag
Set_Customer Info
get_Customer Info