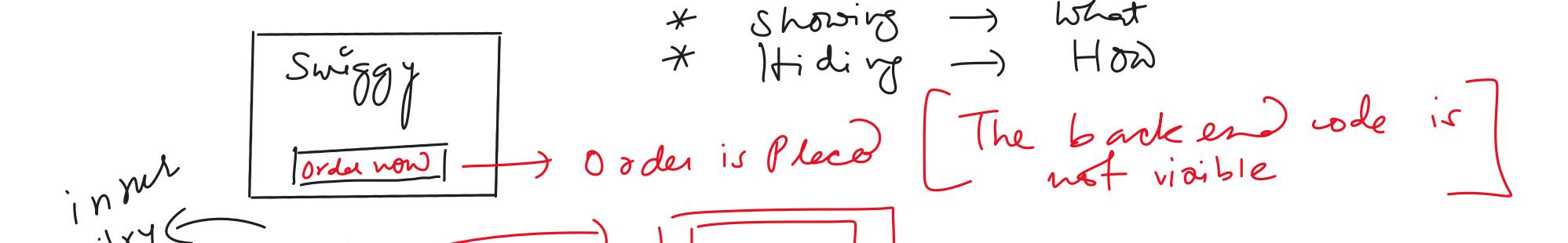


OOP : Continued ! (Abstraction) or (Data Abstraction)

Definition : → Hiding the unnecessary implementation details & only showing the necessary functionality and operations to the end user is known as data abstraction. It is used for better user-experience, so that the user stays longer on our application and it's easy for them to use the app.



Data Abstraction

Data Hiding

Abstraction can be achieved in many ways

- ① By using access specifiers *(private)*
- ② (Pure Virtual Functions) (Interface) *(Java)* *(CPP)*
- ③ Partial Abstraction [Concrete + Abstract] *(methods)*

* (Example)

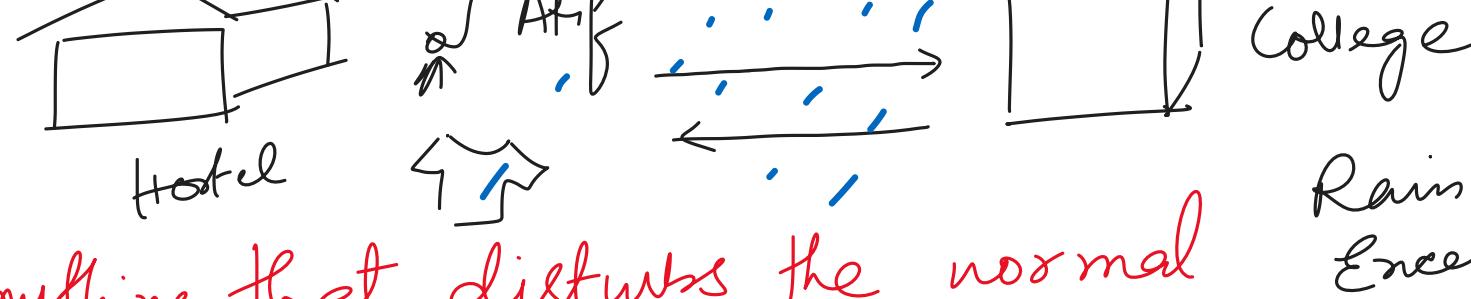
Implement a payment gateway system using partial abstraction in C++ for :

- ① Card
- ② UPI
- ③ Cash

Bosch Tech

Reva :
27th September, 25

Exceptions & Exception Handling



The process of handling exceptions
Exception Handling

The destructor in CPP
is used instead
finally block.

except : give message()
finally : mandatory()