

## Appendix H: Online Shopping Case Study - Design for C++ Implementation

An example of a few modules (method) for an online shopping Application is presented below:

Module Name: CCustomerReport::getQualifications  
Module Type: Method  
Return Type: void  
Input arguments: None  
Output arguments: None  
Error messages: If the date is entered incorrectly  
Files accessed: None  
Files changed: None  
Modules called: CDate:validDate  
Narrative: Retrieves and validates the order date  
from the customer

Module Name: CCustomerReport::print  
Module Type: Method  
Return Type: void  
Input arguments: None  
Output arguments: None  
Error messages: None  
Files accessed: None  
Files changed: None  
Modules called: CReport:print  
Narrative: Extends the base class print method; initializes the  
array that keeps track of orders, calls the base class  
print method, and then prints out the array

Each module corresponds to an IC card. The narrative is the function's processing narrative from the requirements specification.