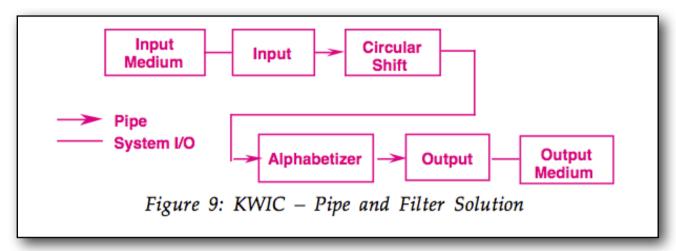
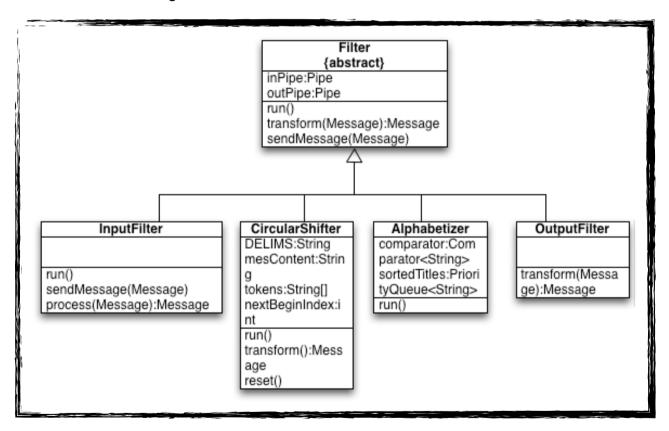
Hu Qiang: A0077857J Jiao Jingping: A0077842W HUYNH VAN QUANG:A0075098U

1, Design:

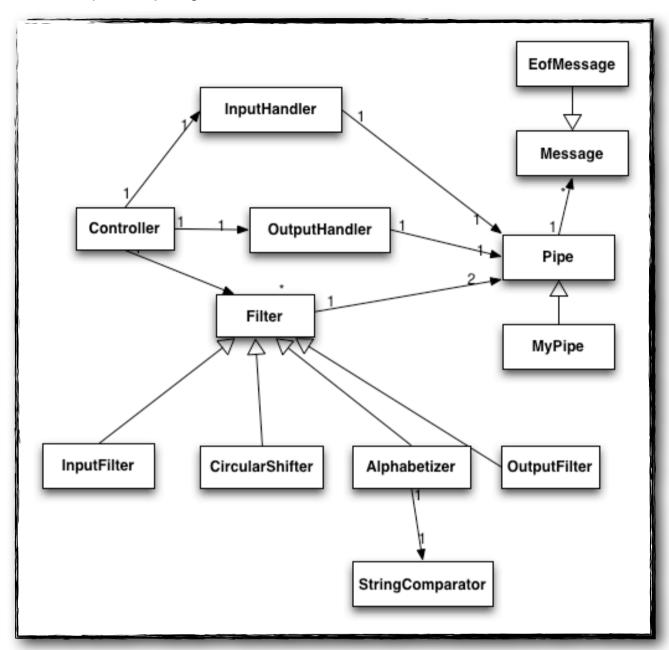
We chose this design(Figure 9) to implement.



UML Class Diagram for Filter:



Module Dependency Diagram:



2, Distribution of work:

Name	Component
Hu Qiang	InputHandler, InputFilter, Pipe, Message
Jiao Jingping	Controller, Outputfilter, Outputmedium
Huynh Van Quang	Circular, Alphabetizer