Master Control

Main

parameter: empty

Get Input

Input

Send Data
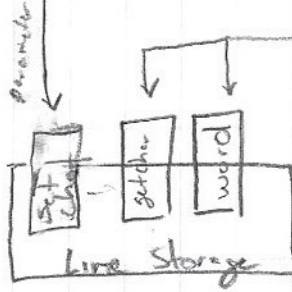
parameter

Input Medium

parameter

Line Storage

set char

getchar

word

parameter

parameter

parameter

parameter

parameter

Circular Shift

Set up

cs-get char

cs-get char

cs word

Alphabetic Shifts

alpha

ith

Output

Get Data
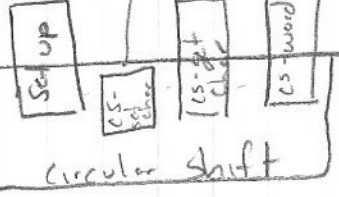
Display

parameter

Output Medium

Although the diagram shown is not my team's architecture it shows a complete architecture that fixes the deficiencies from the generic ADT architecture which my team incorporated in our diagram.

First notice how I added a caller & callee method to each module. This was one of the deficiencies. Also noticed how I added a parameter. Although I wasn't specific for this case but according to Dr Chung the architecture must also included the parameters. Also notice the different functions in the modules are distinguished by either public or private depending if they are sticking out or inside the module. Again this was not shown in the default architecture. This shows the public & private methods. Also notice how the input medium & output medium are attached to a specific method which works w/ the medium instead of vaguely attaching the medium to the module. Thus it shows which function is working w/ the medium. These were some deficiencies in the diagram shown for ADT that my team incorporated into our architecture. All these deficiencies were per Dr. Chung & in class discussion. If you have any questions please feel free to ask me & please feel free to look at my team's architecture.