# User Document: FrontListADT using three classes

## Problem Description

Consider an ADT FrontList, which restricts insertions, removals, and retrievals to the first item in the list. These operations can be defined as

bool insert(const ItemType& newEntry);

bool remove();

Itemtype retrieve() const;

Define an abstract class (interface) for the ADT FrontList, and then implement the class FrontList in the three different ways.

## Github Link

The source code for this program can be found on GitHub at the following location:

## How to compile?

To compile the program, follow the steps:

1. Open a Terminal or Command Prompt and navigate to the directory where the source files are located using the cd command.

cd <path\_to\_source\_folder>

1. Use g++ command given below to compile:

g++ .\Tester.cpp .\PrecondViolatedExcep.cpp –o FrontList

1. Execute the compiled program by typing its name in the command prompt:

./FrontList