An airline ticket reservation program using linked lists

1   Project description

Write a simple airline ticket reservation program. The program should display a menu with the following options: reserve a ticket, cancel a reservation, check whether a ticket is reserved for a particular person, and display the passengers. The information is maintained on an alphabetized linked list of names. In a simpler version of the program, assume that tickets are reserved for only one flight. In a fuller version, place no limit on the number of flights. Create a linked list of flights with each node including a pointer to a linked list of passengers.

2   Guidelines

You should implement and use linked list class (the option of using a list class from STL is acceptable, though discouraged)

3   What to turn in

You will turn in

- *a short written report* containing:

- A description of the significant choices/issues in the design of your code.

- Listing of your experiments, showcasing the capabilities of the program.

- The sourcecode of your program.

You may turn in the document via elearning.e-uvt.ro (Class moodle).

4   Coding standards

A percentage of your grade will be based on the quality of your code, so pay attention to it. Discuss changes (if any) you made to programs presented in class. Take extra care in documenting the code you are implementing on your own. Properly modularize the code (for instance implement separate functions for significant parts of the program).

5   Deadline

May 20, 2020, noon local time. This is a strict deadline. No credit will be given for homework turned in late.