Short User Manual

Pickup Package System

1. Input File Format:

The program expects an input file named customer.txt where each line contains a customer's name and the appliance they are picking up, separated by a comma.

For example: **FirstName LastName, Appliance**

**图形用户界面, 文本, 应用程序

AI 生成的内容可能不正确。**

1. Program Execution:

* Once the program is run, it will:
  1. Read customers' data (names) from the input file.
  2. Generate random arrival times (between 9:00 AM and 11:00 PM), package search times (between 2 and 10 minutes), and checkout times (between 3 and 20 minutes) for each customer.
  3. Process customers using a priority queue, ensuring they are served in order of arrival.
  4. Write the processed customer information (including total time spent in the store) to an output file (completed\_customers.txt).

1. Output File Format:

The output file (completed\_customers.txt) will store the processed customer data in the following format:

电脑萤幕的截图

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1. Error Handling:

* If the input file cannot be opened, the program will display an error message and terminate.
* If no customers are found in the input file or if no customers are processed, appropriate messages will be displayed.