Read Operation
Class Activity

Implement the required functionality to search rooms details from the "datafile".
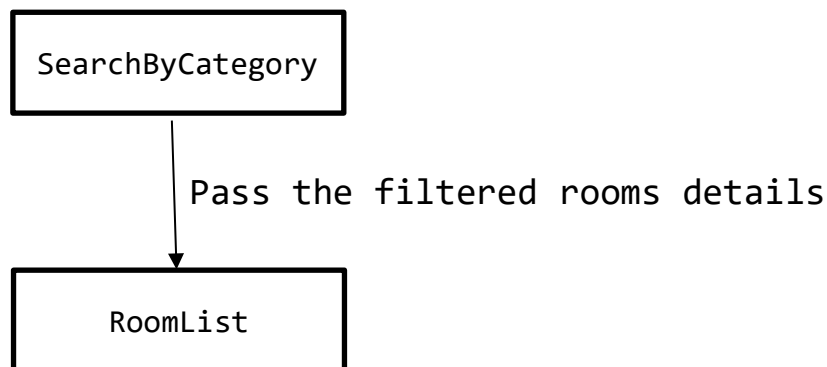
a) In the app, the component named SearchByCategory is for getting details of rooms based on the room category(input). It must retrieve the room details from the data file Edit the component file SearchByCategory.js to implement the following:

   i. This component must take room's category as input. Use the required React hook state variable to handle the input.

   ii. Write necessary function to search(filter) rooms' details from the rooms datafile, based on the category chosen by the user.]

   iii. Use the required React hook state variable to hold the search (filtered) rooms' information. [5 marks]

   iv. Import the component RoomList which will be used to render the details of the filtered rooms. Pass the filtered room as the parameter to the RoomList component (child). [1 mark]

[2 marks]

```
┌─────────────────────────┐
│   SearchByCategory      │
└─────────────────────────┘
            │
            │  Pass the filtered rooms details
            ▼
┌─────────────────────────┐
│      RoomList           │
└─────────────────────────┘
```

b) Write the required code in the component file RoomList.js to render the rooms' details. If the rooms are not available in the selected category, display the appropriate message.

Room Category: Deluxe ▼

Show Rooms

Rooms List

Room Id	Category	Rate	Availability Status
103	Deluxe	150	Yes
104	Deluxe	160	Yes
108	Deluxe	170	Yes