Note: I think it will be helpful if I explain some ideas so I hope my project reach your hops :D

Data management : About data management I think to make the data relation as a tree which have trunk and branches the trunk here is the place who have all data which is (Text.txt) file

All the data distributed from this file but still depending on it so if you delete item which is ticket you should delete it from this file and it well remove it automatically from the branches and the path file used as index have all the data file paths to manipulate at this data when we need so this is the way how I manipulate the data theText.txt file contain the items and the code distribute it to branches which is events and manipulate it in the trunk.

The code: I build four classes ticket class which I use it to create ticket object contain all the ticket attribute queue class which is a datatype I give it specific method to help me for storing and sorting data EventManagement class who responsible of the app behaviors and finally main who represent the user interface and distinguish between normal users and admin

EvenManagement class explain: in this class I write several methods I will start with imporUser(path) this method read all the data in the given path and return it as list the item splitting by lines. SplitEvents(list)this method take the method from the importUser and distribute the data in dectionarie depend on the events id which is the dict key after that it distribute the item into text files have the events and create a new event file and implement the new path in the path file if the event is not exist before then the method call the sortFiles() methods which resort the files after rewrite using the path file indexes and queue class to sorting depend on priority . displayStatics() it print the total ticket number and the branches file two UpdateFiles() and saveChanges() are two helper methods for Booking() ,Booking() create ticket and use id sorting method from queue class to increment he id correctly after that UpdateFiles() and saveChanges() implement the changes there is other methods but I think that what I need to explane.

thank you ☺