Activity Diagram of User

Open the application

Enter filtering method

Enter sorting method

Add task

Delete task

View filtered Schedule

t

Sort Schedule

t

Enter keyword to search

Search keyword

t

Enter info to add/modify/ remove

Enter display index of task to delete

Edit tasks

t

Enter task information to be added

Exit the application

Display Schedule

Enter the command

The activity diagram of the user begins with opening the application. The existing Schedule is now displayed. Schedule can be viewed and the program can be exited or a command can be entered to perform an action(add/delete/edit/sort/search/filter) can be performed. When adding a new task, the details of the task such as taskName, startTime, endTime, description, etc are entered and they are processed and stored in the schedule, and the modified schedule is displayed. After performing an action, another command can be entered, after new Schedule is displayed or the program can be exited. Similarly the process continues for each command entered, until the application is exited