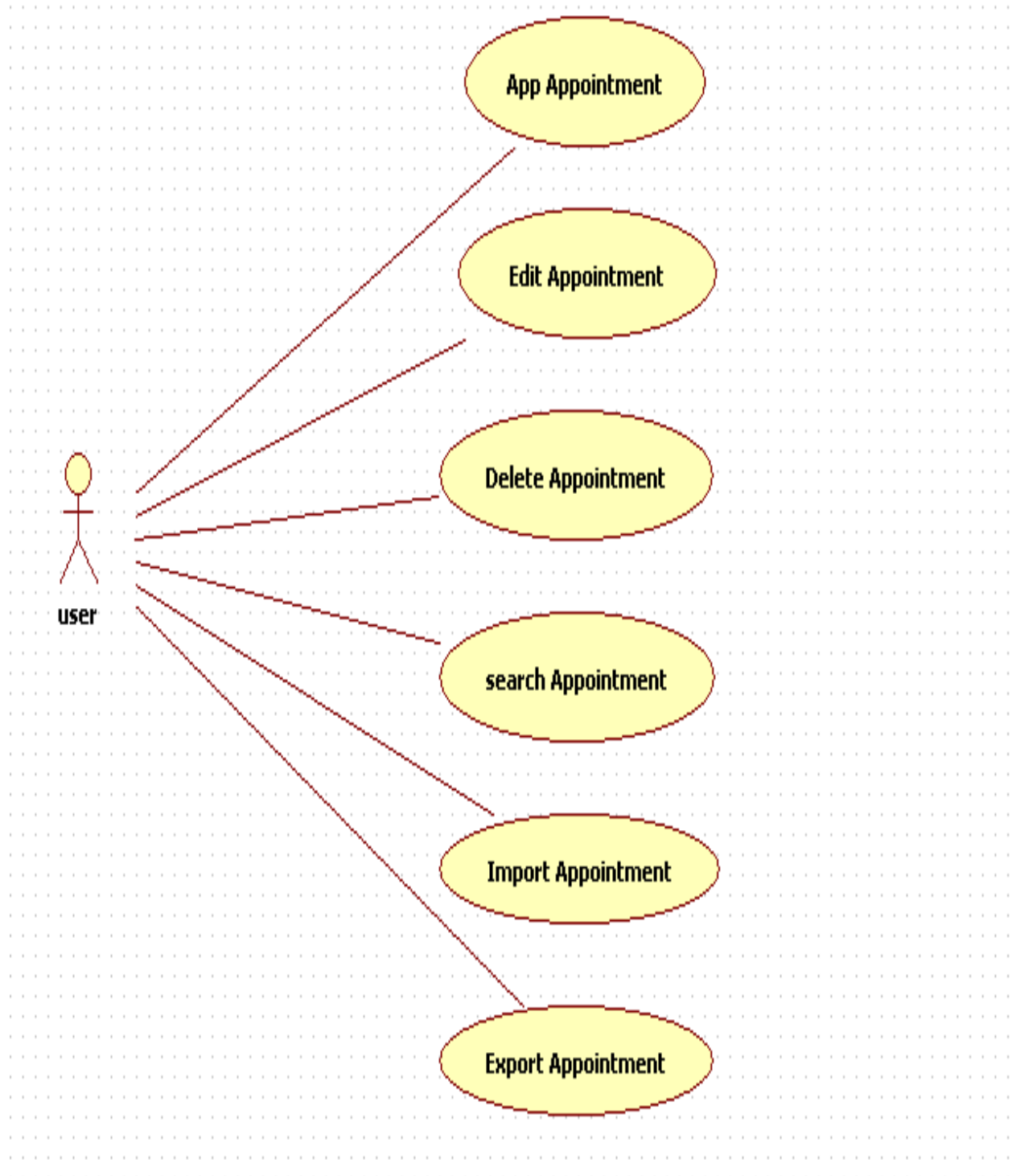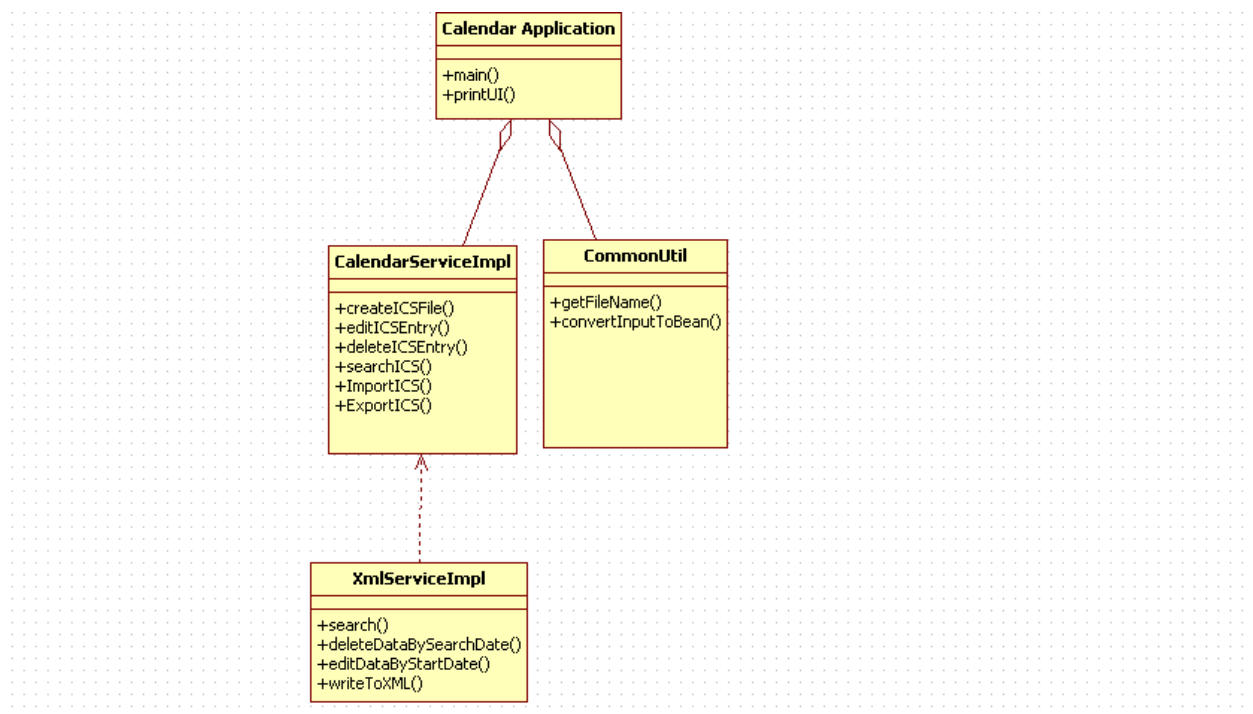# USECASE:

- **Usecase name:** User
- **Version:** 1.0
- **Goal:** To represent the functionalities of user.
- **Summary:** The user can add an appointment or edit it if necessary and also delete it. In case he wants to import or export the appointments to the mail, he could still do them
- **Actors:** User
- **Preconditions:** The user must know the fact that he cannot add an appointment for past date.
- **Triggers:** The user has access to perform all functionalities available.
- **Basic Course of Events:** The basic course of events takes place as follows:
  1. The user tries to add an appointment with current date or future date.
  2. He can add notes to his appointment.
  3. He can also edit his appointment.
  4. He can delete the appointment he created.
  5. He can import a .ics file so that an appointment would be imported into this calendar system
  6. He can export a .ics file from his calendar system to another system.
  7. He can search for an appointment that he created /edited.
- **Alternative Paths:**
  1. To perform search or to edit an appointment or import or export already created appointment must exists.
  2. Instead of creating a new appointment, user can import a .ics file if it exists.
- **Post Conditions:** The system will be updated with the new information provided by the user.
- **Author and Date:** Sai Harshitha Bandlamudi , 04/04/2013.

USE CASE DIAGRAM

App Appointment

Edit Appointment

Delete Appointment

search Appointment

user

Import Appointment

Export Appointment

CLASS DIAGRAM:

Calendar Application

+main()
+printUI()

CalendarServiceImpl

+createICSFile()
+editICSEntry()
+deleteICSEntry()
+searchICS()
+ImportICS()
+ExportICS()

CommonUtil

+getFileName()
+convertInputToBean()

XmlServiceImpl

+search()
+deleteDataBySearchDate()
+editDataByStartDate()
+writeToXML()

SEQUENCE DIAGRAM FOR 'SEARCH':