Requirement Specifications

1. **Introduction**

The purpose of this project is to ease patient management and to create a convenient and easy-to-use application for doctor, trying to manage their patients and appointments.

1. **Overall Description**
   1. JMenuFrame.java

This is the main frame of the project. It includes the following features:

* File Menu – Save, Quit

‘Save’ is used to save the data in the program.

‘Quit’ is used to exit the program.

* Add Patient button

Clicking this button will display a J Frame.

Once the details are entered click the save button.

The clear button can be used to clear all text fields at once.

After the patient is added, the ‘Save’ button from the file menu cab be used to save the record in the array list.

* View Patients button

Clicking this button will display the list of patients and a ‘Search Patient’ button.

The search patient button will display a input dilaog.

If a valid name is entered then details of the patient is displayed.

* Make Appointment button

This will display a j frame containing text fields to make an appointment.

* View Appointments button

This will display a search text field and a calendar.

* Doctor Info button

This button will display a message dialog containing doctor information.

* 1. Patient.java

This contains the private variables, no-argument constructor, argument constructor, getters, setters and toString method.

* 1. AddPatient.java

This includes the code for j labels and text fields, save button, clear button and action listeners for the buttons.

* 1. ViewPatients.java

This includes code for search button a searchPatients() method.

* 1. Appointment.java

This contains the private variables, no-argument constructor, argument constructor, getters, setters and toString method.

* 1. MakeAppointment.java

This includes the code for j labels and text fields, save button, clear button and action listeners for the buttons.

* 1. ViewAppointments.java

This includes code for search button a searchAppointments() method.

* 1. Cal.java

This includes the code for constructing a calendar with the current day highlighted.



Reference

1. **Calendar Reference (located in View Appointments)**

<https://www.chegg.com/homework-help/questions-and-answers/trying-create-event-calendar-using-java-cannot-seem-find-way-add-events-days-months-thinki-q7948143>

1. **JFormatted text field for Date**

<http://esus.com/creating-a-jformattedtextfield-that-only-accepts-dates/>