

OOP-FINAL PROJECT OLADOC SYSTEM

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CS-C

WHAT IS OLADOC?

OlaDoc is a system that works as an interface for both doctors and patients for the booking of appointments. It provides a very user-friendly interface in form of a console menu which enables multiple categories to select your desired menu.

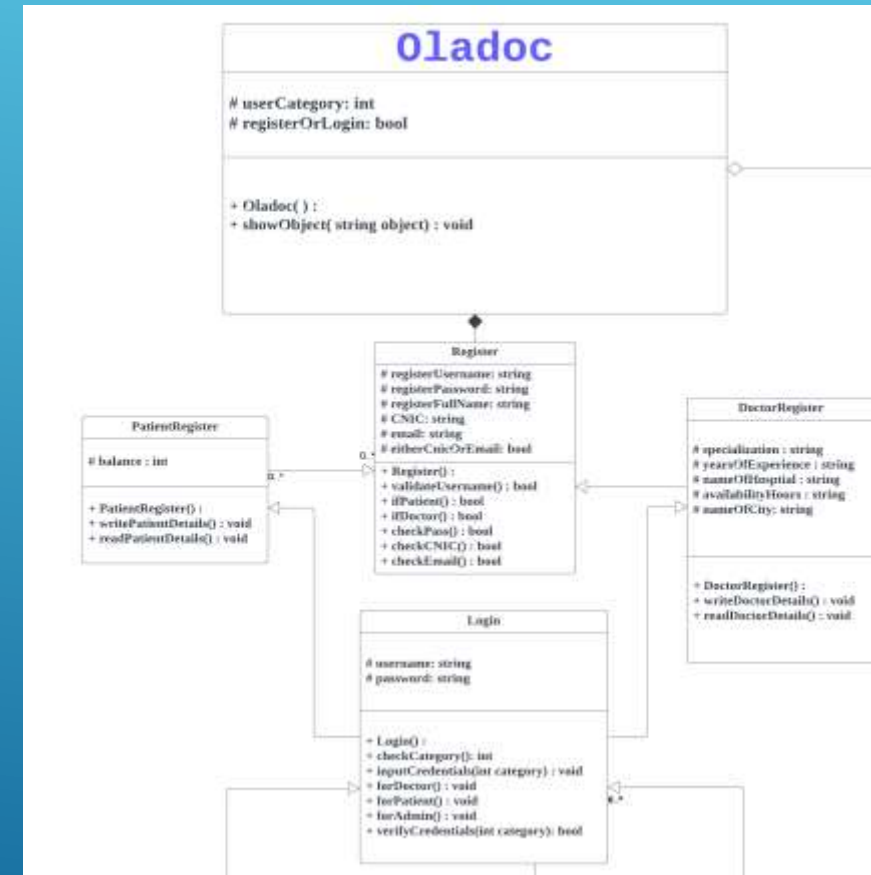


WORKING OF REGISTER AND LOGIN

REGISTER:

Register option allows both the doctor and patients to register. This is done by taking in similar information of doctors and patients, validating them and then **passing them on** to either patient register or doctor register which is selected in the previous menu.

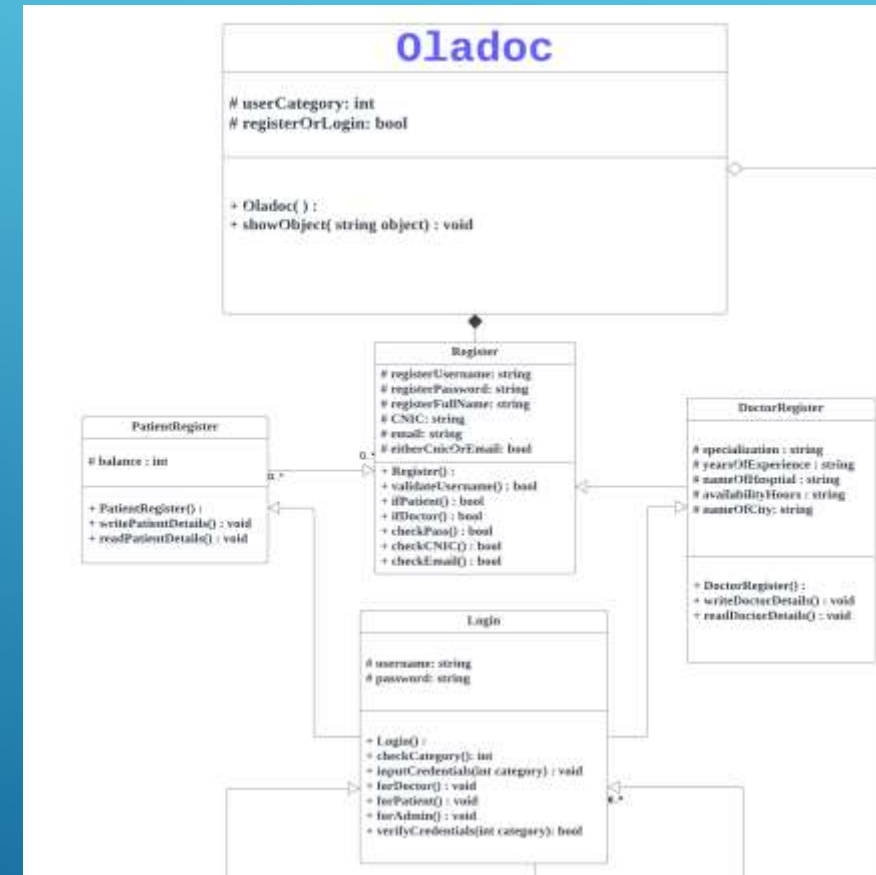
Patient register sets default balance to 3500 and writes the details of patient in a file, which are **inherited**, it can also read the details from the file. **Doctor register inherits** the given details and takes some more as well, then writes it in a file, it can also read the details from the file.



WORKING OF REGISTER AND LOGIN

Login:

The login class **inherits** username and password from **Patient register, Doctor register and Admin class**. After inheriting it performs all of the validation functions. If the password and username is correct, the program moves to the next menu otherwise, it loops back to taking username or password.



PATIENT, ADMIN AND DOCTOR

Patient:

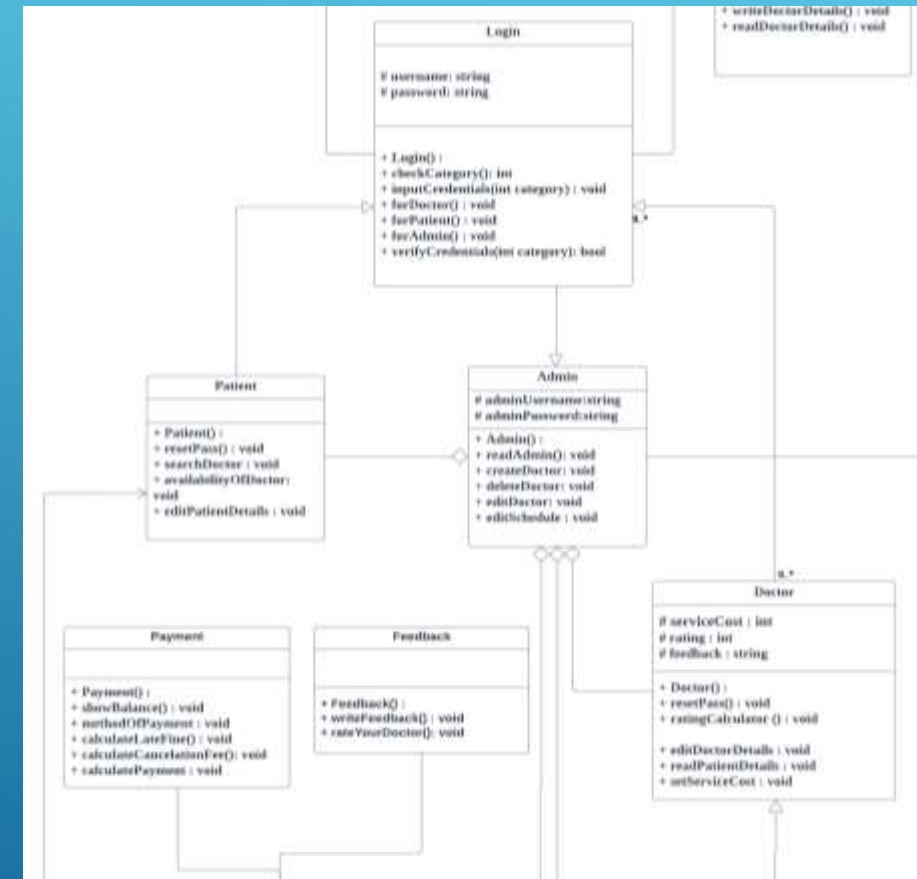
Patient **inherits** its all of the information from the **login** class. It then proceeds to search for a doctor and check their availability. Patient can also reset the password by editing the file.

Admin:

Admin aggregates all doctor, patient, schedule, appointment classes as it can edit them all. Moreover, it has pre-initialized username and password.

Doctor:

Doctor **inherits its** information from the login class as well. Then it can set the attributes and also read registered patient details.



SCHEDULING, BOOKING APPOINTMENTS, PAYMENT AND FEEDBACK

Schedule:

Schedule **inherits** from the doctor so that it can set a location, time, date and day for the respective doctor.

Appointments:

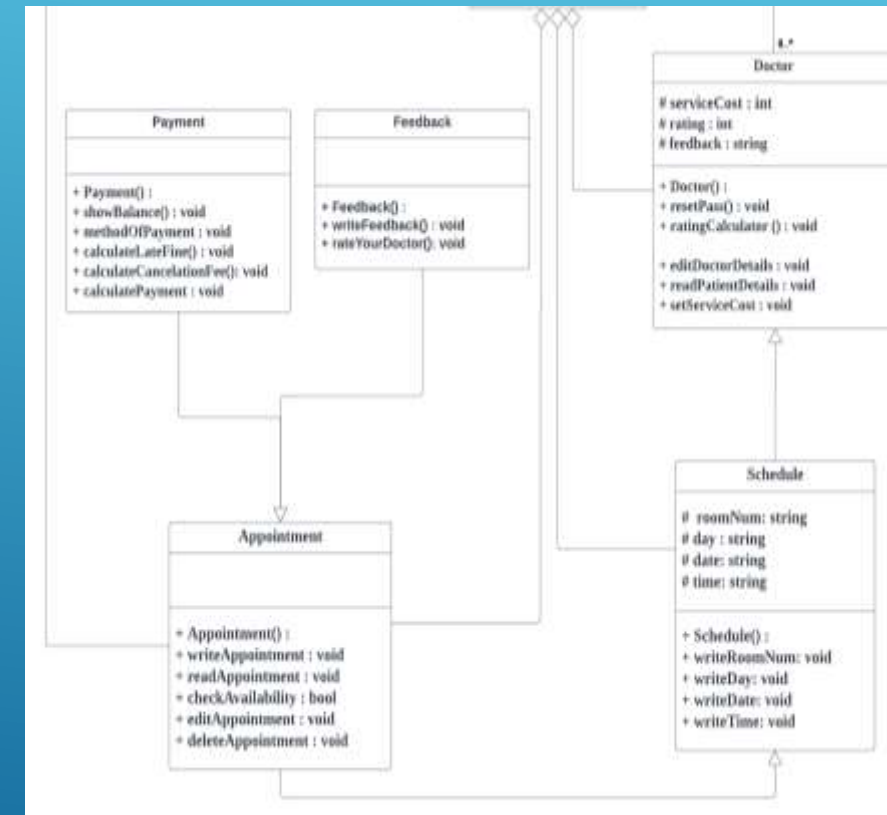
Appointments are set either by patient or admin. It inherits the timings from schedule and writes the bookings in a file through writeAppointment() function.

Payment:

Payment inherits the patient details from the Appointment class and calculates for the respective patient through formulas while also selecting the method.

Feedback:

Feedback takes comment feedback in form of string and also takes an integer rating from the patient, **inheriting them from DOCTOR class**. Then proceed to write the rating in doctor file after passing through **RatingCalculator()**.



THANK YOU

