

Spring 2022: Object Oriented Programming Project Evaluation

Name: Muhammad Affan

Roll#: 21i-0474

Evaluation Rules:

Assign yourself full marks if you claim a complete implementation of the given Question.

Assign yourself zero marks if you have missed the implementation of the given Question.

Registration/Signup	10 Marks
Valid CNIC or email, Password validations, re-enter the password, successfully identified Registration data members signup details, data operation from files	6 /6
Successfully implemented class "User" and inheritance relation with the doctor, admin patient	4 /4
Login/Logout	10 Marks
Login for (admin, patient, doctor), log in with username and password, mention wrong credentials, Logout, data operation from files	3 /5
Polymorphically showed the distinct views for each user	5 /5
Menu	20 Marks
(Admin, doctor, patient) separately to navigate the full system, menu for the subsequent process, different menu for the different users, distinct views	10/10
Aesthetic sense(design), usability, user-friendly, attractive, interactive, your program should never exit, always display a menu to the user	10 / 10
Book Appointment	40 Marks
Category wise searching, location wise searching, doctor/ clinic wise searching	10 /10
Available slots, booked slots, service charges details, display a list of day and hours slots, cannot book 2 appointments, in-person and video consultation appointments	8 /10
Appointments and their status in doctor's and patient's profile, appointment cancellation	10 /10
Polymorphically implemented doctors and their specialties. Aggregation/Composition, Virtual Inheritance, Runtime Polymorphism - for calling all views, dynamic arrays allocation and deallocation, Parameterized/copy constructor in each class, data operation from files	8 /10
Feedback	20 Marks
Calculating feedback due time from date class, showing menu to patient for feedback	1 /8
Write a review + give a rating (out of 5 stars), rating must reflect on doctor's profile, average of all the ratings, data operation from files	1 /12
A reply on the review of patients from the management (Bonus)	0 /5
Payment	20 Marks
Transaction from the doctor's account to the patient's account, calculate charges for in-person and video consultation	1 /5
Payment details for booked appointment, Appointment cancelation, refund must be done, refund calculation via policy	1 /10
Polymorphically implemented E-Gateway for the transaction JazzCash, EasyPaisa, PayPak, UnionPay or Bank Transfer, data operation from files	5 /5
Bonus	15 Marks
OLADOC is populated with sufficient data for demo,	1 /5
UML class diagram, mapping with the class diagram	5 /5
Coding convention (commenting, no global variables, use of const and static with functions, naming convention, separate files, error handling with appropriate prompts)	5 /5
Plagiarism deduction (will most probably result in F Grade)	-160
Without OOP principles (will most probably be zero marks)	-120

Total (120) + Bonus(20)

Evaluator's Name:

Evaluator's Comments: