## **Spring 2022: Object Oriented Programming Project Evaluation**

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## **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.

data members signup details, data operation from files  Successfully implemented class "User" and inheritance relation with the doctor, admin patient  10 Mark  Login / Login / Login (admin, patient, doctor), log in with username and password, mention wrong credentials, Logout, data operation from files  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  Aesthetic sense(design), usability, user-friendly, attractive, interactive, your program should never exit, always display a menu to the user  Book Appointment  Category wise searching, location wise searching, doctor/ clinic wise searching  Appointments, in-person and video consultation appointments  Appointments, in-person and video consultation appointments  Appointments and their status in doctor's and patient's profile, appointment cancellation  10 /10  Inheritance, Runtime Polymorphism - for calling all views, dynamic arrays allocation and deallocation, Parameterized/copy constructor in each class, data operation from files  Calculating feedback due time from date class, showing menu to patient for feedback  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 /5  Payment  20 Mark  Transaction from the doctor's account to the patient's account, calculate charges for in-person and video consultation  Payment details for booked appointment, Appointment cancelation, refund must be done, refund  alculation via policy  Polymorphically implemented E-Gateway for the transaction JazzCash, EasyPaisa, PayPak, UnionPay or 5 /5  Bank Transfer, data operation from files  1 /5  DAIND Class diagram, mapping with the class diagram  5 /5	Registration/Signup	10 Marks
Successfully implemented class "User" and inheritance relation with the doctor, admin patient 10 Mark Login/Logout 10 Mark Login for (admin, patient, doctor), log in with username and password, mention wrong credentials, Logout, data operation from files   3 /5	Valid CNIC or email, Password validations, re-enter the password, successfully identified Registration	6 /6
Login/Logout  Login/Logout, data operation from files  Polymorphically showed the distinct views for each user  Sok Menu  Category, patient) separately to navigate the full system, menu for the subsequent process, different menu for the different users, distinct views  Aesthetic sense(design), usability, user-friendly, attractive, interactive, your program should never exit, always display a menu to the user  Book Appointment  Category wise searching, location wise searching, doctor/ clinic wise searching  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  Appointments and their status in doctor's and patient's profile, appointment cancellation  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  Feedback  Calculating feedback due time from date class, showing menu to patient for feedback  Xirite 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  A reply on the review of patients from the management (Bonus)  7 - 20 Mark  Transaction from the doctor's account to the patient's account, calculate charges for in-person and video consultation  Payment details for booked appointment, Appointment cancelation, refund must be done, refund calculation via policy  Polymorphically implemented E-Gateway for the transaction JazzCash, EasyPaisa, PayPak, UnionPay or Bank Transfer, data operation from files  Bonus  OLADOC is populated with sufficient data for demo,  UKL class diagram, mapping with the class diagram  Soka diagram, m	data members signup details, data operation from files	
Login for (admin, patient, doctor), log in with username and password, mention wrong credentials, Logout, data operation from files  Polymorphically showed the distinct views for each user  (Admin, doctor, patient) separately to navigate the full system, menu for the subsequent process, different menu for the different users, distinct views  Aesthetic sense(design), usability, user-friendly, attractive, interactive, your program should never exit, always display a menu to the user  Book Appointment  40 Mark  Category wise searching, location wise searching, doctor/ clinic wise searching 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  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  Feedback  Calculating feedback due time from date class, showing menu to patient for feedback  A reply on the review of patients from the management (Bonus)  A reply on the review of patients from the management (Bonus)  O/5  Payment  Transaction from the doctor's account to the patient's account, calculate charges for in-person and video consultation Payment details for booked appointment, Appointment cancelation, refund must be done, refund calculation via policy  Polymorphically implemented E-Gateway for the transaction JazzCash, EasyPaisa, PayPak, UnionPay or Bank Transfer, data operation from files  OLADOC is populated with sufficient data for demo,  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)	Successfully implemented class "User" and inheritance relation with the doctor, admin patient	4 /4
Logout, data operation from files Polymorphically showed the distinct views for each user  S /5  Menu  (Admin, doctor, patient) separately to navigate the full system, menu for the subsequent process, different menu for the different users, distinct views  Aesthetic sense(design), usability, user-friendly, attractive, interactive, your program should never exit, always display a menu to the user  Book Appointment  40 Mark  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  Appointments and their status in doctor's and patient's profile, appointment cancellation  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  Calculating feedback due time from date class, showing menu to patient for feedback  Calculating feedback due time from date class, showing menu to patient for feedback  A reply on the review of patients from the management (Bonus)  O/5  Payment  Transaction from the doctor's account to the patient's account, calculate charges for in-person and video consultation  Payment details for booked appointment, Appointment cancelation, refund must be done, refund calculation via policy  Polymorphically implemented E-Gateway for the transaction JazzCash, EasyPaisa, PayPak, UnionPay or 5 /5  Bank Transfer, data operation from files  OLADOC is populated with sufficient data for demo,  1/50  UML class diagram, mapping with the class diagram  OLADOC is populated mith sufficient data for demo,  1/50  Coding convention (commenting, no global variables, use of const and static with functions, naming convention, separate files, error handling with appropriate prompts)	Login/Logout	10 Marks
Polymorphically showed the distinct views for each user   20 Marks	Login for (admin, patient, doctor), log in with username and password, mention wrong credentials,	3 /5
Admin, doctor, patient) separately to navigate the full system, menu for the subsequent process, different menu for the different users, distinct views	Logout, data operation from files	
Acsthetic sense(design), usability, user-friendly, attractive, interactive, your program should never exit, always display a menu to the user Book Appointment  Book Appointment  Category wise searching, location wise searching, doctor/ clinic wise searching  Appointments, in-person and video consultation appointments and their status in doctor's and patient's profile, appointment cancellation  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, showing menu to patient for feedback  Are view + give a rating (out of 5 stars), rating must reflect on doctor's profile, average of all the ratings, data operation from files  Payment  Transaction from the doctor's account to the patient's account, calculate charges for in-person and video consultation  Payment details for booked appointment, Appointment cancelation, refund must be done, refund calculation via policy  Polymorphically implemented E-Gateway for the transaction JazzCash, EasyPaisa, PayPak, UnionPay or 5 /5  Bank Transfer, data operation from files  15 Marks  OLADOC is populated with sufficient data for demo,  UML class diagram, mapping with the class diagram  OLADOC is populated with sufficient data for demo,  UML class diagram, mapping with the class diagram  Coding convention (commenting, no global variables, use of const and static with functions, naming convention, separate files, error handling with appropriate prompts)  Plagiarism deduction (will most probably result in F Grade)	Polymorphically showed the distinct views for each user	5 /5
different menu for the different users, distinct views  Aesthetic sense(design), usability, user-friendly, attractive, interactive, your program should never exit, always display a menu to the user  40 Mark  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  Appointments and their status in doctor's and patient's profile, appointment cancellation  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  Feedback  Calculating feedback due time from date class, showing menu to patient for feedback  A reply on the review + give a rating (out of 5 stars), rating must reflect on doctor's profile, average of all the ratings, data operation from files  A reply on the review of patients from the management (Bonus)  O /5  Payment  Transaction from the doctor's account to the patient's account, calculate charges for in-person and video consultation  Payment details for booked appointment, Appointment cancelation, refund must be done, refund video consultation  Payment details for booked appointment, Appointment cancelation, refund must be done, refund  20 Mark  Transaction from the doctor's account to the patient's account, calculate charges for in-person and video consultation  Payment details for booked appointment, Appointment cancelation, refund must be done, refund  2 /5 /5  Bonus  1 /5 /5  Coling convention from files  Coding convention (commenting, no global variables, use of const and static with functions, naming convention, separate files, error handling with appropriate prompts)  Plagiarism deduction (will most probably result in F Grade)	Menu	20 Marks
Aesthetic sense(design), usability, user-friendly, attractive, interactive, your program should never exit, always display a menu to the user  **Book Appointment**  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  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  Feedback  Calculating feedback due time from date class, showing menu to patient for feedback  A reply on the review e give a rating (out of 5 stars), rating must reflect on doctor's profile, average of all the ratings, data operation from files  A reply on the review of patients from the management (Bonus)  7 Payment  Transaction from the doctor's account to the patient's account, calculate charges for in-person and video consultation  Payment details for booked appointment, Appointment cancelation, refund must be done, refund calculation via policy  Polymorphically implemented E-Gateway for the transaction JazzCash, EasyPaisa, PayPak, UnionPay or Bank Transfer, data operation from files  Bonus  OLADOC is populated with sufficient data for demo,  UML class diagram, mapping with the class diagram  Coding convention (commenting, no global variables, use of const and static with functions, naming convention, separate files, error handling with appropriate prompts)  Plagiarism deduction (will most probably result in F Grade)  -160	(Admin, doctor, patient) separately to navigate the full system, menu for the subsequent process,	10/10
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Book Appointment  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  Appointments and their status in doctor's and patient's profile, appointment cancellation  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  Feedback  Calculating feedback due time from date class, showing menu to patient for feedback  Transaction from files  A reply on the review of patients from the management (Bonus)  Payment  Transaction from the doctor's account to the patient's account, calculate charges for in-person and video consultation  Payment details for booked appointment, Appointment cancelation, refund must be done, refund video consultation  Payment details for booked appointment, Appointment cancelation, refund must be done, refund 1 / 50  Bonus  15 Marks  OLADOC is populated with sufficient data for demo,  UML class diagram, mapping with the class diagram  Coding convention (commenting, no global variables, use of const and static with functions, naming convention, separate files, error handling with appropriate prompts)  Plagiarism deduction (will most probably result in F Grade)  -160	Aesthetic sense(design), usability, user-friendly, attractive, interactive, your program should never	10 / 10
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Parameterized/copy constructor in each class, data operation from files  Feedback  Calculating feedback due time from date class, showing menu to patient for feedback  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  A reply on the review of patients from the management (Bonus)  Payment  Transaction from the doctor's account to the patient's account, calculate charges for in-person and video consultation  Payment details for booked appointment, Appointment cancelation, refund must be done, refund calculation via policy  Polymorphically implemented E-Gateway for the transaction JazzCash, EasyPaisa, PayPak, UnionPay or Bank Transfer, data operation from files  Bonus  OLADOC is populated with sufficient data for demo,  UML class diagram, mapping with the class diagram  Coding convention (commenting, no global variables, use of const and static with functions, naming convention, separate files, error handling with appropriate prompts)  Plagiarism deduction (will most probably result in F Grade)  -160	Polymorphically implemented doctors and their specialties. Aggregation/Composition, Virtual	8 /10
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A reply on the review of patients from the management (Bonus)  Payment  Transaction from the doctor's account to the patient's account, calculate charges for in-person and video consultation  Payment details for booked appointment, Appointment cancelation, refund must be done, refund calculation via policy  Polymorphically implemented E-Gateway for the transaction JazzCash, EasyPaisa, PayPak, UnionPay or Bank Transfer, data operation from files  Bonus  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)  Plagiarism deduction (will most probably result in F Grade) -160	Write a review + give a rating (out of 5 stars), rating must reflect on doctor's profile, average of all the	1 /12
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video consultation  Payment details for booked appointment, Appointment cancelation, refund must be done, refund calculation via policy  Polymorphically implemented E-Gateway for the transaction JazzCash, EasyPaisa, PayPak, UnionPay or Bank Transfer, data operation from files  Bonus  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)  Plagiarism deduction (will most probably result in F Grade) -160	Payment	20 Marks
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calculation via policy  Polymorphically implemented E-Gateway for the transaction JazzCash, EasyPaisa, PayPak, UnionPay or Bank Transfer, data operation from files  Bonus  OLADOC is populated with sufficient data for demo,  UML class diagram, mapping with the class diagram  Coding convention (commenting, no global variables, use of const and static with functions, naming convention, separate files, error handling with appropriate prompts)  Plagiarism deduction (will most probably result in F Grade)  5 /5	video consultation	
Polymorphically implemented E-Gateway for the transaction JazzCash, EasyPaisa, PayPak, UnionPay or Bank Transfer, data operation from files  **Bonus**  OLADOC is populated with sufficient data for demo,  UML class diagram, mapping with the class diagram  Coding convention (commenting, no global variables, use of const and static with functions, naming convention, separate files, error handling with appropriate prompts)  Plagiarism deduction (will most probably result in F Grade)  5 /5	Payment details for booked appointment, Appointment cancelation, refund must be done, refund	1 /10
Bank Transfer, data operation from files  Bonus  OLADOC is populated with sufficient data for demo,  UML class diagram, mapping with the class diagram  Coding convention (commenting, no global variables, use of const and static with functions, naming convention, separate files, error handling with appropriate prompts)  Plagiarism deduction (will most probably result in F Grade)  15 Marks  5 /5  Coding convention, naming 5 /5  Coding convention, separate files, error handling with appropriate prompts)	calculation via policy	
Bonus  OLADOC is populated with sufficient data for demo,  UML class diagram, mapping with the class diagram  Coding convention (commenting, no global variables, use of const and static with functions, naming convention, separate files, error handling with appropriate prompts)  Plagiarism deduction (will most probably result in F Grade)  15 Marks  5 /5  7 /5	Polymorphically implemented E-Gateway for the transaction JazzCash, EasyPaisa, PayPak, UnionPay or	5 /5
OLADOC is populated with sufficient data for demo,  UML class diagram, mapping with the class diagram  Coding convention (commenting, no global variables, use of const and static with functions, naming convention, separate files, error handling with appropriate prompts)  Plagiarism deduction (will most probably result in F Grade)  -160	Bank Transfer, data operation from files	
UML class diagram, mapping with the class diagram  Coding convention (commenting, no global variables, use of const and static with functions, naming convention, separate files, error handling with appropriate prompts)  Plagiarism deduction (will most probably result in F Grade)  5 /5  -160	Bonus	15 Marks
Coding convention (commenting, no global variables, use of const and static with functions, naming convention, separate files, error handling with appropriate prompts)  Plagiarism deduction (will most probably result in F Grade)  -160	OLADOC is populated with sufficient data for demo,	1/5
convention, separate files, error handling with appropriate prompts)  Plagiarism deduction (will most probably result in F Grade)  -160	UML class diagram, mapping with the class diagram	5 /5
Plagiarism deduction (will most probably result in F Grade) -160	Coding convention (commenting, no global variables, use of const and static with functions, naming	5 /5
	convention, separate files, error handling with appropriate prompts)	
Without OOP principles (will most probably be zero marks) -120	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: