| **Name: Sumeed Jawad Kanwar Roll#: 22i - 2651** | | |
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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/incomplete implementation of the given Question. | | |
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| **Sr#** | **Evaluation Sheet (200 marks + 15 Bonus)** | |  |
|  | Report with class diagram, explanation of the concepts used in the projects with screenshots | 50/50 |  |
|  | Class diagram with correct relations Made in Visio or draw.io submitted on classroom | 10/10 |  |
|  | Menu with all options and ability to access schedule feature without login sign up | 10/10 |  |
|  | Admin features: Admin panel, update flight schedule, add routes, limit passengers per plane | 5/5 |  |
|  | Password: Set username/password, hidden '\*\*\*\*', renter password, password restrictions | 5/5 |  |
|  | Exception Handling on Password | 5/5 |  |
|  | Separate Passenger Panel, Register using unique CNIC, Register dependents under 18, Passenger, Getting details for registration, Updating basic details of registered users, Getting account details, | 10/10 |  |
|  | Finance Class to control financial activities. | 5/5 |  |
|  | Cities have two airports and 10 airplanes | 5/5 |  |
|  | 10 local and 5 international flights take off daily from each airport, Maximum 50 passengers in economy and 10 in business class, No booking of consecutive seats, | 5/5 |  |
|  | Maximum 5 airplanes can land at a time, A plane can travel local or international per day, Journey hours are recorded, Arrival and Departure Time is displayed, Current available seats are updated and displayed, | 5/5 |  |
|  | Passengers have local or foreign passport, Verifying that passport is stamped for international flights, Accessing details of most visited country, Showing travelling cost and ticket price, Maintaining travel history of each passenger, | 5/5 |  |
|  | Offering 10% discount to some frequent travelers based on previous month history. Previous month is calculated by subtracting 30 days from the current date. | 5/5 |  |
|  | Booking seat by a registered user, Reservation system shows the schedule, Shows travelling cost, Users can search flights and timing details, | 5/5 |  |
|  | Passenger can cancel the booked flight, Cancellation fine equal to 25% of actual cost of ticket, Admin can block or resume the schedule of a flight. | 5/5 |  |
|  | Payment is recorded against each booking, Cost depends on hours, One-hour costs Rs. 10,000 for local flight, One-hour costs Rs. 20,000 for international flight, 5% tax is calculated, displayed, and deducted for a local flight, 10% tax is calculated, displayed, and deducted for an international flight, Indirect paths have more cost | 5/5 |  |
|  | Constructors and Parameterized Constructor in each class | 5/5 |  |
|  | **OOP Concepts**: Aggregation/Composition, Runtime Polymorphism **-** for calling all Display( ) functions, dynamic arrays allocation and deallocation, + file handling | 20/20 |  |
|  | Coding convention (commenting, no global variables, use of const and static with functions, naming convention, separate files, error handling with appropriate prompts) | 5/5 |  |
|  | Viva of Project | 30/30 |  |
|  | Bonus if any Parameterized/copy constructor in each class, NAFS is populated with sufficient data for demo | 15/15 |  |
|  | Plagiarism deduction (will most probably result in F Grade) | -200% |  |
| **To be filled by the evaluator** | | |  |
| **Evaluator's Name: Evaluator's Comments:** | | |  |
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