SE1020 - OOP Project Title Allocation - MALABE

Group Number	Title	DSA Assignment Requirement	
		Data Structure	Algorithm
PGNO - 1	Event Ticket Booking System	Queue (to manage ticket booking requests in FIFO order)	Merge Sort (to sort events by popularity or date)
PGNO - 2	Vehicle Rental Service Platform	Linked List (to manage rented vehicle records)	Selection Sort (to sort vehicles based on availability or rent price)
PGNO - 3	Student Course Registration System	Queue (to manage course registration requests)	Insertion Sort (to sort students by registration time)
PGNO - 4	Hotel Room Reservation System	Binary Search Tree (BST) (to manage available rooms efficiently)	Quick Sort (to sort reservations by check-in date)
PGNO - 5	Inventory and Stock Management System	Stack (to implement last-in-first-out (LIFO) inventory management)	Merge Sort (to sort stock items by expiry date)
PGNO - 6	Medical Appointment Scheduling System	Priority Queue (to schedule patient appointments based on urgency)	Bubble Sort (to sort appointments by time slot)
PGNO - 7	Real Estate Property Listings Portal	Binary Search Tree (BST) (to manage property listings dynamically)	Quick Sort (to sort properties by price)
PGNO - 8	Online Grocery Order Management System	Queue (to process customer orders sequentially)	Merge Sort (to sort products by category or price)
PGNO - 9	Car Service and Maintenance Tracker	Linked List (to store service history records)	Selection Sort (to sort service history by date)
PGNO - 10	Online Bookstore Management System	Linked List (to store book inventory dynamically)	Quick Sort (to sort books by price or rating)
PGNO - 11	Movie Rental and Review Platform	Stack (to manage recently watched movies)	Bubble Sort (to sort movies by rating)
PGNO - 12	Fitness Center Membership System	Queue (to manage membership renewal requests)	Insertion Sort (to sort members by last renewal date)
PGNO - 13	Online Food Delivery Management System	Queue (to manage order processing in sequence)	Quick Sort (to sort food items by price)
PGNO - 14	Driving School Registration and Scheduling System	Queue (to manage driving lesson requests)	Bubble Sort (to sort available instructors by experience)
PGNO - 15	Online Movie Ticket Reservation Platform	Queue (to handle booking requests)	Insertion Sort (to sort movies by release date)
PGNO - 16	Vehicle Parking Management System	Stack (to manage parking slot allocation)	Quick Sort (to sort parking slots by availability)

PGNO - 17	Wedding Planning and Vendor Booking System	Linked List (to store wedding vendor details dynamically)	Bubble Sort (to sort vendors by price)
PGNO - 18	Online Examination and Result Management System	Linked List (to maintain student records dynamically)	Selection Sort (to sort students by scores)
PGNO - 19	Beauty Salon Appointment Booking System	Queue (to manage salon appointment bookings)	Quick Sort (to sort appointments by time slot)
PGNO - 20	Online Medical Store	Queue (to process medicine orders)	Quick Sort (to sort medicines by price)
PGNO - 21	Restaurant Table Reservation Platform	Queue (to manage table reservation requests)	Merge Sort (to sort reservations by time)
PGNO - 22	Tourism Package Customization Platform	Binary Search Tree (BST) (to store travel packages dynamically)	Quick Sort (to sort packages by cost)
PGNO - 23	Taxi and Cab Service Booking Platform	Queue (to handle cab booking requests in FIFO order)	Bubble Sort (to sort drivers by rating)
PGNO - 24	Home Tutor Search and Booking System	Binary Search Tree (BST) (to store tutors dynamically)	Merge Sort (to sort tutors by subject expertise)
PGNO - 25	Bike Rental and Ride-Sharing Platform	Queue (to manage bike rental requests)	Quick Sort (to sort bikes by availability)
PGNO - 26	Real Estate Agent Finder and Appointment System	Binary Search Tree (BST) (to store real estate agents)	Selection Sort (to sort agents by rating)
PGNO - 27	Bakery Order and Custom Cake Booking Platform	Queue (to handle bakery order requests)	Bubble Sort (to sort orders by pickup time)
PGNO - 28	Online Toy Store	Linked List (to manage toy inventory dynamically)	Selection Sort (to sort toys by age group)
PGNO - 29	Second-Hand Car Sales and Purchase Platform	Linked List (to store car listings dynamically)	Merge Sort (to sort cars by price)
PGNO - 30	Event Photography and Videography Booking	Queue (to manage event photography bookings)	Bubble Sort (to sort photographers by rating)
PGNO - 31	Event Ticket Booking System	Queue (to manage ticket booking requests in FIFO order)	Merge Sort (to sort events by popularity or date)
PGNO - 32	Vehicle Rental Service Platform	Linked List (to manage rented vehicle records)	Selection Sort (to sort vehicles based on availability or rent price)
PGNO - 33	Student Course Registration System	Queue (to manage course registration requests)	Insertion Sort (to sort students by registration time)
PGNO - 34	Hotel Room Reservation System	Binary Search Tree (BST) (to manage available rooms efficiently)	Quick Sort (to sort reservations by check-in date)
PGNO - 35	Inventory and Stock Management System	Stack (to implement last-in-first-out (LIFO) inventory management)	Merge Sort (to sort stock items by expiry date)
PGNO - 36	Medical Appointment Scheduling System	Priority Queue (to schedule patient appointments based on urgency)	Bubble Sort (to sort appointments by time slot)

PGNO - 37	Real Estate Property Listings Portal	Binary Search Tree (BST) (to manage property listings dynamically)	Quick Sort (to sort properties by price)
PGNO - 38	Online Grocery Order Management System	Queue (to process customer orders sequentially)	Merge Sort (to sort products by category or price)
PGNO - 39	Car Service and Maintenance Tracker	Linked List (to store service history records)	Selection Sort (to sort service history by date)
PGNO - 40	Online Bookstore Management System	Linked List (to store book inventory dynamically)	Quick Sort (to sort books by price or rating)
PGNO - 41	Movie Rental and Review Platform	Stack (to manage recently watched movies)	Bubble Sort (to sort movies by rating)
PGNO - 42	Fitness Center Membership System	Queue (to manage membership renewal requests)	Insertion Sort (to sort members by last renewal date)
PGNO - 43	Online Food Delivery Management System	Queue (to manage order processing in sequence)	Quick Sort (to sort food items by price)
PGNO - 44	Driving School Registration and Scheduling System	Queue (to manage driving lesson requests)	Bubble Sort (to sort available instructors by experience)
PGNO - 45	Online Movie Ticket Reservation Platform	Queue (to handle booking requests)	Insertion Sort (to sort movies by release date)
PGNO - 46	Vehicle Parking Management System	Stack (to manage parking slot allocation)	Quick Sort (to sort parking slots by availability)
PGNO - 47	Wedding Planning and Vendor Booking System	Linked List (to store wedding vendor details dynamically)	Bubble Sort (to sort vendors by price)
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PGNO - 51	Restaurant Table Reservation Platform	Queue (to manage table reservation requests)	Merge Sort (to sort reservations by time)
PGNO - 52	Tourism Package Customization Platform	Binary Search Tree (BST) (to store travel packages dynamically)	Quick Sort (to sort packages by cost)
PGNO - 53	Taxi and Cab Service Booking Platform	Queue (to handle cab booking requests in FIFO order)	Bubble Sort (to sort drivers by rating)
PGNO - 54	Home Tutor Search and Booking System	Binary Search Tree (BST) (to store tutors dynamically)	Merge Sort (to sort tutors by subject expertise)
PGNO - 55	Bike Rental and Ride-Sharing Platform	Queue (to manage bike rental requests)	Quick Sort (to sort bikes by availability)
PGNO - 56	Real Estate Agent Finder and Appointment System	Binary Search Tree (BST) (to store real estate agents)	Selection Sort (to sort agents by rating)
PGNO - 57	Bakery Order and Custom Cake Booking Platform	Queue (to handle bakery order requests)	Bubble Sort (to sort orders by pickup time)

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PGNO - 60	Event Photography and Videography Booking	Queue (to manage event photography bookings)	Bubble Sort (to sort photographers by rating)
PGNO - 61	Event Ticket Booking System	Queue (to manage ticket booking requests in FIFO order)	Merge Sort (to sort events by popularity or date)
PGNO - 62	Vehicle Rental Service Platform	Linked List (to manage rented vehicle records)	Selection Sort (to sort vehicles based on availability or rent price)
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PGNO - 67	Real Estate Property Listings Portal	Binary Search Tree (BST) (to manage property listings dynamically)	Quick Sort (to sort properties by price)
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PGNO - 74	Driving School Registration and Scheduling System	Queue (to manage driving lesson requests)	Bubble Sort (to sort available instructors by experience)
PGNO - 75	Online Movie Ticket Reservation Platform	Queue (to handle booking requests)	Insertion Sort (to sort movies by release date)
PGNO - 76	Vehicle Parking Management System	Stack (to manage parking slot allocation)	Quick Sort (to sort parking slots by availability)

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PGNO - 163	Online Food Delivery Management System	Queue (to manage order processing in sequence)	Quick Sort (to sort food items by price)
PGNO - 164	Driving School Registration and Scheduling System	Queue (to manage driving lesson requests)	Bubble Sort (to sort available instructors by experience)
PGNO - 165	Online Movie Ticket Reservation Platform	Queue (to handle booking requests)	Insertion Sort (to sort movies by release date)
PGNO - 166	Vehicle Parking Management System	Stack (to manage parking slot allocation)	Quick Sort (to sort parking slots by availability)
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PGNO - 223	Online Food Delivery Management System	Queue (to manage order processing in sequence)	Quick Sort (to sort food items by price)
PGNO - 224	Driving School Registration and Scheduling System	Queue (to manage driving lesson requests)	Bubble Sort (to sort available instructors by experience)
PGNO - 225	Online Movie Ticket Reservation Platform	Queue (to handle booking requests)	Insertion Sort (to sort movies by release date)
PGNO - 226	Vehicle Parking Management System	Stack (to manage parking slot allocation)	Quick Sort (to sort parking slots by availability)
PGNO - 227	Wedding Planning and Vendor Booking System	Linked List (to store wedding vendor details dynamically)	Bubble Sort (to sort vendors by price)
PGNO - 228	Online Examination and Result Management System	Linked List (to maintain student records dynamically)	Selection Sort (to sort students by scores)
PGNO - 229	Beauty Salon Appointment Booking System	Queue (to manage salon appointment bookings)	Quick Sort (to sort appointments by time slot)
PGNO - 230	Online Medical Store	Queue (to process medicine orders)	Quick Sort (to sort medicines by price)
PGNO - 231	Restaurant Table Reservation Platform	Queue (to manage table reservation requests)	Merge Sort (to sort reservations by time)
PGNO - 232	Tourism Package Customization Platform	Binary Search Tree (BST) (to store travel packages dynamically)	Quick Sort (to sort packages by cost)
PGNO - 233	Taxi and Cab Service Booking Platform	Queue (to handle cab booking requests in FIFO order)	Bubble Sort (to sort drivers by rating)
PGNO - 234	Home Tutor Search and Booking System	Binary Search Tree (BST) (to store tutors dynamically)	Merge Sort (to sort tutors by subject expertise)
PGNO - 235	Bike Rental and Ride-Sharing Platform	Queue (to manage bike rental requests)	Quick Sort (to sort bikes by availability)
PGNO - 236	Real Estate Agent Finder and Appointment System	Binary Search Tree (BST) (to store real estate agents)	Selection Sort (to sort agents by rating)
PGNO - 237	Bakery Order and Custom Cake Booking Platform	Queue (to handle bakery order requests)	Bubble Sort (to sort orders by pickup time)

PGNO - 238	Online Toy Store	Linked List (to manage toy inventory dynamically)	Selection Sort (to sort toys by age group)
PGNO - 239	Second-Hand Car Sales and Purchase Platform	Linked List (to store car listings dynamically)	Merge Sort (to sort cars by price)
PGNO - 240	Event Photography and Videography Booking	Queue (to manage event photography bookings)	Bubble Sort (to sort photographers by rating)
PGNO - 241	Event Ticket Booking System	Queue (to manage ticket booking requests in FIFO order)	Merge Sort (to sort events by popularity or date)
PGNO - 242	Vehicle Rental Service Platform	Linked List (to manage rented vehicle records)	Selection Sort (to sort vehicles based on availability or rent price)
PGNO - 243	Student Course Registration System	Queue (to manage course registration requests)	Insertion Sort (to sort students by registration time)
PGNO - 244	Hotel Room Reservation System	Binary Search Tree (BST) (to manage available rooms efficiently)	Quick Sort (to sort reservations by check-in date)
PGNO - 245	Inventory and Stock Management System	Stack (to implement last-in-first-out (LIFO) inventory management)	Merge Sort (to sort stock items by expiry date)
PGNO - 246	Medical Appointment Scheduling System	Priority Queue (to schedule patient appointments based on urgency)	Bubble Sort (to sort appointments by time slot)
PGNO - 247	Real Estate Property Listings Portal	Binary Search Tree (BST) (to manage property listings dynamically)	Quick Sort (to sort properties by price)
PGNO - 248	Online Grocery Order Management System	Queue (to process customer orders sequentially)	Merge Sort (to sort products by category or price)
PGNO - 249	Car Service and Maintenance Tracker	Linked List (to store service history records)	Selection Sort (to sort service history by date)
PGNO - 250	Online Bookstore Management System	Linked List (to store book inventory dynamically)	Quick Sort (to sort books by price or rating)
PGNO - 251	Movie Rental and Review Platform	Stack (to manage recently watched movies)	Bubble Sort (to sort movies by rating)
PGNO - 252	Fitness Center Membership System	Queue (to manage membership renewal requests)	Insertion Sort (to sort members by last renewal date)
PGNO - 253	Online Food Delivery Management System	Queue (to manage order processing in sequence)	Quick Sort (to sort food items by price)
PGNO - 254	Driving School Registration and Scheduling System	Queue (to manage driving lesson requests)	Bubble Sort (to sort available instructors by experience)
PGNO - 255	Online Movie Ticket Reservation Platform	Queue (to handle booking requests)	Insertion Sort (to sort movies by release date)
PGNO - 256	Vehicle Parking Management System	Stack (to manage parking slot allocation)	Quick Sort (to sort parking slots by availability)

PGNO - 257	Wedding Planning and Vendor Booking System	Linked List (to store wedding vendor details dynamically)	Bubble Sort (to sort vendors by price)
PGNO - 258	Online Examination and Result Management System	Linked List (to maintain student records dynamically)	Selection Sort (to sort students by scores)
PGNO - 259	Beauty Salon Appointment Booking System	Queue (to manage salon appointment bookings)	Quick Sort (to sort appointments by time slot)
PGNO - 260	Online Medical Store	Queue (to process medicine orders)	Quick Sort (to sort medicines by price)
PGNO - 261	Restaurant Table Reservation Platform	Queue (to manage table reservation requests)	Merge Sort (to sort reservations by time)
PGNO - 262	Tourism Package Customization Platform	Binary Search Tree (BST) (to store travel packages dynamically)	Quick Sort (to sort packages by cost)
PGNO - 263	Taxi and Cab Service Booking Platform	Queue (to handle cab booking requests in FIFO order)	Bubble Sort (to sort drivers by rating)
PGNO - 264	Home Tutor Search and Booking System	Binary Search Tree (BST) (to store tutors dynamically)	Merge Sort (to sort tutors by subject expertise)
PGNO - 265	Bike Rental and Ride-Sharing Platform	Queue (to manage bike rental requests)	Quick Sort (to sort bikes by availability)
PGNO - 266	Real Estate Agent Finder and Appointment System	Binary Search Tree (BST) (to store real estate agents)	Selection Sort (to sort agents by rating)
PGNO - 267	Bakery Order and Custom Cake Booking Platform	Queue (to handle bakery order requests)	Bubble Sort (to sort orders by pickup time)
PGNO - 268	Online Toy Store	Linked List (to manage toy inventory dynamically)	Selection Sort (to sort toys by age group)
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PGNO - 272	Vehicle Rental Service Platform	Linked List (to manage rented vehicle records)	Selection Sort (to sort vehicles based on availability or rent price)
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PGNO - 285	Online Movie Ticket Reservation Platform	Queue (to handle booking requests)	Insertion Sort (to sort movies by release date)
PGNO - 286	Vehicle Parking Management System	Stack (to manage parking slot allocation)	Quick Sort (to sort parking slots by availability)
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