## **SE1020 - OOP Project Title Allocation - MALABE**

		DSA Assignment Requirement	
Group Number	Title	Data Structure	Algorithm
•	Event Ticket Booking	Queue (to manage ticket booking	Merge Sort (to sort events by
PGNO - 1	System	requests in FIFO order)	popularity or date)
	Vehicle Rental Service	Linked List (to manage rented	Selection Sort (to sort vehicles
PGNO - 2	Platform	vehicle records)	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)
	Inventory and Stock	Stack (to implement last-in-first-	Merge Sort (to sort stock items
PGNO - 5	Management System	out (LIFO) inventory management)	by expiry date)
	Medical Appointment	Priority Queue (to schedule	Bubble Sort (to sort
PGNO - 6	Scheduling System	patient appointments based on urgency)	appointments by time slot)
	Real Estate Property Listings	Binary Search Tree (BST) (to	Quick Sort (to sort properties
PGNO - 7	Portal	manage property listings dynamically)	by price)
PGNO - 8	Online Grocery Order	Queue (to process customer	Merge Sort (to sort products by
runo - o	Management System	orders sequentially)	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)
DGMO 10	Online Bookstore	Linked List (to store book	Quick Sort (to sort books by
PGNO - 10	Management System	inventory dynamically)	price or rating)
PGNO - 11	Movie Rental and Review Platform	Stack (to manage recently watched movies)	Bubble Sort (to sort movies by rating)
	Fitness Center Membership	Queue (to manage membership	Insertion Sort (to sort members
PGNO - 12	System	renewal requests)	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)
	Driving School Registration	Queue (to manage driving lesson	Bubble Sort (to sort available
PGNO - 14	and Scheduling System	requests)	instructors by experience)
DOME 15	Online Movie Ticket	Queue (to handle booking	Insertion Sort (to sort movies
PGNO - 15	Reservation Platform	requests)	by release date)
PGNO - 16	Vehicle Parking	Stack (to manage parking slot	Quick Sort (to sort parking slots
FUNO - 10	Management System	allocation)	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)
PGNO - 48	Online Examination and Result Management System	Linked List (to maintain student records dynamically)	Selection Sort (to sort students by scores)
PGNO - 49	Beauty Salon Appointment Booking System	Queue (to manage salon appointment bookings)	Quick Sort (to sort appointments by time slot)
PGNO - 50	Online Medical Store	Queue (to process medicine orders)	Quick Sort (to sort medicines by price)
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)

PGNO - 58	Online Toy Store	Linked List (to manage toy inventory dynamically)	Selection Sort (to sort toys by age group)
PGNO - 59	Second-Hand Car Sales and Purchase Platform	Linked List (to store car listings dynamically)	Merge Sort (to sort cars by price)
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)
PGNO - 63	Student Course Registration System	Queue (to manage course registration requests)	Insertion Sort (to sort students by registration time)
PGNO - 64	Hotel Room Reservation System	Binary Search Tree (BST) (to manage available rooms efficiently)	Quick Sort (to sort reservations by check-in date)
PGNO - 65	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 - 66	Medical Appointment Scheduling System	Priority Queue (to schedule patient appointments based on urgency)	Bubble Sort (to sort appointments by time slot)
PGNO - 67	Real Estate Property Listings Portal	Binary Search Tree (BST) (to manage property listings dynamically)	Quick Sort (to sort properties by price)
PGNO - 68	Online Grocery Order Management System	Queue (to process customer orders sequentially)	Merge Sort (to sort products by category or price)
PGNO - 69	Car Service and Maintenance Tracker	history records)	Selection Sort (to sort service history by date)
PGNO - 70	Online Bookstore Management System	Linked List (to store book inventory dynamically)	Quick Sort (to sort books by price or rating)
PGNO - 71	Movie Rental and Review Platform	Stack (to manage recently watched movies)	Bubble Sort (to sort movies by rating)
PGNO - 72	Fitness Center Membership System	Queue (to manage membership renewal requests)	Insertion Sort (to sort members by last renewal date)
PGNO - 73	Online Food Delivery Management System	Queue (to manage order processing in sequence)	Quick Sort (to sort food items by price)
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)

PGNO - 77	Wedding Planning and	Linked List (to store wedding	Bubble Sort (to sort vendors by
1 0110 - 77	Vendor Booking System	vendor details dynamically)	price)
PGNO - 78	Online Examination and	Linked List (to maintain student	Selection Sort (to sort students
10110 - 70	Result Management System	records dynamically)	by scores)
PGNO - 79	Beauty Salon Appointment	Queue (to manage salon	Quick Sort (to sort
10110-77	Booking System	appointment bookings)	appointments by time slot)
PGNO - 80	Online Medical Store	Queue (to process medicine	Quick Sort (to sort medicines
1 0110 - 60		orders)	by price)
PGNO - 81	Restaurant Table	Queue (to manage table	Merge Sort (to sort reservations
1010-81	Reservation Platform	reservation requests)	by time)
	Tourism Package	Binary Search Tree (BST) (to	Quick Sort (to sort packages by
PGNO - 82	Customization Platform	store travel packages	cost)
		dynamically)	
DCNO 92	Taxi and Cab Service	Queue (to handle cab booking	Bubble Sort (to sort drivers by
PGNO - 83	Booking Platform	requests in FIFO order)	rating)
DCNO 94	Home Tutor Search and	Binary Search Tree (BST) (to	Merge Sort (to sort tutors by
PGNO - 84	Booking System	store tutors dynamically)	subject expertise)
DCNO 05	Bike Rental and Ride-	Queue (to manage bike rental	Quick Sort (to sort bikes by
PGNO - 85	Sharing Platform	requests)	availability)
DCMO 06	Real Estate Agent Finder and	Binary Search Tree (BST) (to	Selection Sort (to sort agents by
PGNO - 86	Appointment System	store real estate agents)	rating)
DONO 07	Bakery Order and Custom	Queue (to handle bakery order	Bubble Sort (to sort orders by
PGNO - 87	Cake Booking Platform	requests)	pickup time)
DCNO 99	Online Toy Store	Linked List (to manage toy	Selection Sort (to sort toys by
PGNO - 88		inventory dynamically)	age group)
DCNO 90	Second-Hand Car Sales and	Linked List (to store car listings	Merge Sort (to sort cars by
PGNO - 89	Purchase Platform	dynamically)	price)
DCNO 00	Event Photography and	Queue (to manage event	Bubble Sort (to sort
PGNO - 90	Videography Booking	photography bookings)	photographers by rating)
	Event Ticket Booking	Queue (to manage ticket booking	Merge Sort (to sort events by
PGNO - 91			pricige boit (to soft events by
1 0140 - 71	System	requests in FIFO order)	popularity or date)
10110-71	System	_	
10110-71	System  Vehicle Rental Service	_	
PGNO - 92		requests in FIFO order)	popularity or date)
	Vehicle Rental Service	requests in FIFO order)  Linked List (to manage rented	popularity or date)  Selection Sort (to sort vehicles
PGNO - 92	Vehicle Rental Service	requests in FIFO order)  Linked List (to manage rented	popularity or date)  Selection Sort (to sort vehicles based on availability or rent
	Vehicle Rental Service Platform	requests in FIFO order)  Linked List (to manage rented vehicle records)	popularity or date)  Selection Sort (to sort vehicles based on availability or rent price)
PGNO - 92	Vehicle Rental Service Platform Student Course Registration	requests in FIFO order)  Linked List (to manage rented vehicle records)  Queue (to manage course	popularity or date)  Selection Sort (to sort vehicles based on availability or rent price)  Insertion Sort (to sort students
PGNO - 92	Vehicle Rental Service Platform  Student Course Registration System	requests in FIFO order)  Linked List (to manage rented vehicle records)  Queue (to manage course registration requests)	popularity or date)  Selection Sort (to sort vehicles based on availability or rent price)  Insertion Sort (to sort students by registration time)
PGNO - 92 PGNO - 93	Vehicle Rental Service Platform  Student Course Registration System  Hotel Room Reservation	requests in FIFO order)  Linked List (to manage rented vehicle records)  Queue (to manage course registration requests)  Binary Search Tree (BST) (to	popularity or date)  Selection Sort (to sort vehicles based on availability or rent price)  Insertion Sort (to sort students by registration time)  Quick Sort (to sort reservations
PGNO - 92 PGNO - 93	Vehicle Rental Service Platform  Student Course Registration System  Hotel Room Reservation	requests in FIFO order)  Linked List (to manage rented vehicle records)  Queue (to manage course registration requests)  Binary Search Tree (BST) (to manage available rooms	popularity or date)  Selection Sort (to sort vehicles based on availability or rent price)  Insertion Sort (to sort students by registration time)  Quick Sort (to sort reservations
PGNO - 92 PGNO - 93	Vehicle Rental Service Platform  Student Course Registration System  Hotel Room Reservation System	requests in FIFO order)  Linked List (to manage rented vehicle records)  Queue (to manage course registration requests)  Binary Search Tree (BST) (to manage available rooms efficiently)	popularity or date)  Selection Sort (to sort vehicles based on availability or rent price)  Insertion Sort (to sort students by registration time)  Quick Sort (to sort reservations by check-in date)
PGNO - 92 PGNO - 93 PGNO - 94	Vehicle Rental Service Platform  Student Course Registration System  Hotel Room Reservation System  Inventory and Stock	requests in FIFO order)  Linked List (to manage rented vehicle records)  Queue (to manage course registration requests)  Binary Search Tree (BST) (to manage available rooms efficiently)  Stack (to implement last-in-first-	popularity or date)  Selection Sort (to sort vehicles based on availability or rent price)  Insertion Sort (to sort students by registration time)  Quick Sort (to sort reservations by check-in date)  Merge Sort (to sort stock items
PGNO - 92 PGNO - 93 PGNO - 94	Vehicle Rental Service Platform  Student Course Registration System  Hotel Room Reservation System  Inventory and Stock Management System	requests in FIFO order)  Linked List (to manage rented vehicle records)  Queue (to manage course registration requests)  Binary Search Tree (BST) (to manage available rooms efficiently)  Stack (to implement last-in-first-out (LIFO) inventory	popularity or date)  Selection Sort (to sort vehicles based on availability or rent price)  Insertion Sort (to sort students by registration time)  Quick Sort (to sort reservations by check-in date)  Merge Sort (to sort stock items
PGNO - 92 PGNO - 93 PGNO - 94	Vehicle Rental Service Platform  Student Course Registration System  Hotel Room Reservation System  Inventory and Stock	requests in FIFO order)  Linked List (to manage rented vehicle records)  Queue (to manage course registration requests)  Binary Search Tree (BST) (to manage available rooms efficiently)  Stack (to implement last-in-first-out (LIFO) inventory management)	popularity or date)  Selection Sort (to sort vehicles based on availability or rent price)  Insertion Sort (to sort students by registration time)  Quick Sort (to sort reservations by check-in date)  Merge Sort (to sort stock items by expiry date)
PGNO - 92 PGNO - 93 PGNO - 94 PGNO - 95	Vehicle Rental Service Platform  Student Course Registration System  Hotel Room Reservation System  Inventory and Stock Management System  Medical Appointment	requests in FIFO order)  Linked List (to manage rented vehicle records)  Queue (to manage course registration requests)  Binary Search Tree (BST) (to manage available rooms efficiently)  Stack (to implement last-in-first-out (LIFO) inventory management)  Priority Queue (to schedule	popularity or date)  Selection Sort (to sort vehicles based on availability or rent price)  Insertion Sort (to sort students by registration time)  Quick Sort (to sort reservations by check-in date)  Merge Sort (to sort stock items by expiry date)  Bubble Sort (to sort

PGNO - 97	Real Estate Property Listings Portal	Binary Search Tree (BST) (to manage property listings dynamically)	Quick Sort (to sort properties by price)
PGNO - 98	Online Grocery Order Management System	Queue (to process customer orders sequentially)	Merge Sort (to sort products by category or price)
PGNO - 99	Car Service and Maintenance Tracker	Linked List (to store service history records)	Selection Sort (to sort service history by date)
PGNO - 100	Online Bookstore Management System	Linked List (to store book inventory dynamically)	Quick Sort (to sort books by price or rating)
PGNO - 101	Movie Rental and Review Platform	Stack (to manage recently watched movies)	Bubble Sort (to sort movies by rating)
PGNO - 102	Fitness Center Membership System	Queue (to manage membership renewal requests)	Insertion Sort (to sort members by last renewal date)
PGNO - 103	Online Food Delivery Management System	Queue (to manage order processing in sequence)	Quick Sort (to sort food items by price)
PGNO - 104	Driving School Registration and Scheduling System	Queue (to manage driving lesson requests)	Bubble Sort (to sort available instructors by experience)
PGNO - 105	Online Movie Ticket Reservation Platform	Queue (to handle booking requests)	Insertion Sort (to sort movies by release date)
PGNO - 106	Vehicle Parking Management System	Stack (to manage parking slot allocation)	Quick Sort (to sort parking slots by availability)
PGNO - 107	Wedding Planning and Vendor Booking System	Linked List (to store wedding vendor details dynamically)	Bubble Sort (to sort vendors by price)
PGNO - 108	Online Examination and Result Management System	Linked List (to maintain student records dynamically)	Selection Sort (to sort students by scores)
PGNO - 109	Beauty Salon Appointment Booking System	Queue (to manage salon appointment bookings)	Quick Sort (to sort appointments by time slot)
PGNO - 110	Online Medical Store	Queue (to process medicine orders)	Quick Sort (to sort medicines by price)
PGNO - 111	Restaurant Table Reservation Platform	Queue (to manage table reservation requests)	Merge Sort (to sort reservations by time)
PGNO - 112	Tourism Package Customization Platform	Binary Search Tree (BST) (to store travel packages dynamically)	Quick Sort (to sort packages by cost)
PGNO - 113	Taxi and Cab Service Booking Platform	Queue (to handle cab booking requests in FIFO order)	Bubble Sort (to sort drivers by rating)
PGNO - 114	Home Tutor Search and Booking System	Binary Search Tree (BST) (to store tutors dynamically)	Merge Sort (to sort tutors by subject expertise)
PGNO - 115	Bike Rental and Ride- Sharing Platform	Queue (to manage bike rental requests)	Quick Sort (to sort bikes by availability)
PGNO - 116	Real Estate Agent Finder and Appointment System	Binary Search Tree (BST) (to store real estate agents)	Selection Sort (to sort agents by rating)
PGNO - 117	Bakery Order and Custom Cake Booking Platform	Queue (to handle bakery order requests)	Bubble Sort (to sort orders by pickup time)

PGNO - 118	Online Toy Store	Linked List (to manage toy inventory dynamically)	Selection Sort (to sort toys by age group)
PGNO - 119	Second-Hand Car Sales and Purchase Platform	Linked List (to store car listings dynamically)	Merge Sort (to sort cars by price)
PGNO - 120	Event Photography and Videography Booking	Queue (to manage event photography bookings)	Bubble Sort (to sort photographers by rating)
PGNO - 121	Event Ticket Booking System	Queue (to manage ticket booking requests in FIFO order)	Merge Sort (to sort events by popularity or date)
PGNO - 122	Vehicle Rental Service Platform	Linked List (to manage rented vehicle records)	Selection Sort (to sort vehicles based on availability or rent price)
PGNO - 123	Student Course Registration System	Queue (to manage course registration requests)	Insertion Sort (to sort students by registration time)
PGNO - 124	Hotel Room Reservation System	Binary Search Tree (BST) (to manage available rooms efficiently)	Quick Sort (to sort reservations by check-in date)
PGNO - 125	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 - 126	Medical Appointment Scheduling System	Priority Queue (to schedule patient appointments based on urgency)	Bubble Sort (to sort appointments by time slot)
PGNO - 127	Real Estate Property Listings Portal	Binary Search Tree (BST) (to manage property listings dynamically)	Quick Sort (to sort properties by price)
PGNO - 128	Online Grocery Order Management System	Queue (to process customer orders sequentially)	Merge Sort (to sort products by category or price)
PGNO - 129	Car Service and Maintenance Tracker	history records)	Selection Sort (to sort service history by date)
PGNO - 130	Online Bookstore Management System	Linked List (to store book inventory dynamically)	Quick Sort (to sort books by price or rating)
PGNO - 131	Movie Rental and Review Platform	Stack (to manage recently watched movies)	Bubble Sort (to sort movies by rating)
PGNO - 132	Fitness Center Membership System	Queue (to manage membership renewal requests)	Insertion Sort (to sort members by last renewal date)
PGNO - 133	Online Food Delivery Management System	Queue (to manage order processing in sequence)	Quick Sort (to sort food items by price)
PGNO - 134	Driving School Registration and Scheduling System	Queue (to manage driving lesson requests)	Bubble Sort (to sort available instructors by experience)
PGNO - 135	Online Movie Ticket Reservation Platform	Queue (to handle booking requests)	Insertion Sort (to sort movies by release date)
PGNO - 136	Vehicle Parking Management System	Stack (to manage parking slot allocation)	Quick Sort (to sort parking slots by availability)

	Wedding Planning and	Linked List (to store wedding	Bubble Sort (to sort vendors by
PGNO - 137	Vendor Booking System	vendor details dynamically)	price)
	Online Examination and	Ţ,	•
PGNO - 138		Linked List (to maintain student	Selection Sort (to sort students
	Result Management System	records dynamically)	by scores)
PGNO - 139	Beauty Salon Appointment	Queue (to manage salon	Quick Sort (to sort
	Booking System	appointment bookings)	appointments by time slot)
PGNO - 140	Online Medical Store	Queue (to process medicine	Quick Sort (to sort medicines
		orders)	by price)
PGNO - 141	Restaurant Table	Queue (to manage table	Merge Sort (to sort reservations
	Reservation Platform	reservation requests)	by time)
	Tourism Package	Binary Search Tree (BST) (to	Quick Sort (to sort packages by
PGNO - 142	Customization Platform	store travel packages	cost)
		dynamically)	
PGNO - 143	Taxi and Cab Service	Queue (to handle cab booking	Bubble Sort (to sort drivers by
PGNO - 143	Booking Platform	requests in FIFO order)	rating)
PGNO - 144	Home Tutor Search and	Binary Search Tree (BST) (to	Merge Sort (to sort tutors by
PGNO - 144	Booking System	store tutors dynamically)	subject expertise)
DCNO 145	Bike Rental and Ride-	Queue (to manage bike rental	Quick Sort (to sort bikes by
PGNO - 145	Sharing Platform	requests)	availability)
DGIVO 115	Real Estate Agent Finder and	Binary Search Tree (BST) (to	Selection Sort (to sort agents by
PGNO - 146	Appointment System	store real estate agents)	rating)
DG110 115	Bakery Order and Custom	Queue (to handle bakery order	Bubble Sort (to sort orders by
PGNO - 147	Cake Booking Platform	requests)	pickup time)
	Online Toy Store	Linked List (to manage toy	Selection Sort (to sort toys by
PGNO - 148	, and the second	inventory dynamically)	age group)
	Second-Hand Car Sales and	Linked List (to store car listings	Merge Sort (to sort cars by
PGNO - 149	Purchase Platform	dynamically)	price)
	Event Photography and	Queue (to manage event	Bubble Sort (to sort
PGNO - 150	Videography Booking	photography bookings)	photographers by rating)
	Event Ticket Booking	Queue (to manage ticket booking	Merge Sort (to sort events by
PGNO - 151	System	requests in FIFO order)	popularity or date)
	3 3 4 4 4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Vehicle Rental Service	Linked List (to manage rented	Selection Sort (to sort vehicles
PGNO - 152	Platform	vehicle records)	based on availability or rent
1 0110 - 132	T IMITOTIII	veincie records)	price)
	Student Course Registration	Queue (to manage course	Insertion Sort (to sort students
PGNO - 153	System System	registration requests)	by registration time)
	Hotel Room Reservation	Binary Search Tree (BST) (to	Quick Sort (to sort reservations
DCNO 154		· · · · · · · · · · · · · · · · · · ·	by check-in date)
PGNO - 154	System	manage available rooms efficiently)	by check-in date)
	Invantant and Ctaals	* '	Manga Sant (to sant stook its
DONO 155	Inventory and Stock	Stack (to implement last-in-first-	Merge Sort (to sort stock items
PGNO - 155	Management System	out (LIFO) inventory	by expiry date)
	3.6 1° 1 A	management)	D 111 G . //
Dave 15	Medical Appointment	Priority Queue (to schedule	Bubble Sort (to sort
PGNO - 156	Scheduling System	patient appointments based on	appointments by time slot)
1 0110 130		urgency)	appointments by time story

PGNO - 157	Real Estate Property Listings Portal	Binary Search Tree (BST) (to manage property listings dynamically)	Quick Sort (to sort properties by price)
PGNO - 158	Online Grocery Order Management System	Queue (to process customer orders sequentially)	Merge Sort (to sort products by category or price)
PGNO - 159	Car Service and Maintenance Tracker	Linked List (to store service history records)	Selection Sort (to sort service history by date)
PGNO - 160	Online Bookstore Management System	Linked List (to store book inventory dynamically)	Quick Sort (to sort books by price or rating)
PGNO - 161	Movie Rental and Review Platform	Stack (to manage recently watched movies)	Bubble Sort (to sort movies by rating)
PGNO - 162	Fitness Center Membership System	Queue (to manage membership renewal requests)	Insertion Sort (to sort members by last renewal date)
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)
PGNO - 167	Wedding Planning and Vendor Booking System	Linked List (to store wedding vendor details dynamically)	Bubble Sort (to sort vendors by price)
PGNO - 168	Online Examination and Result Management System	Linked List (to maintain student records dynamically)	Selection Sort (to sort students by scores)
PGNO - 169	Beauty Salon Appointment Booking System	Queue (to manage salon appointment bookings)	Quick Sort (to sort appointments by time slot)
PGNO - 170	Online Medical Store	Queue (to process medicine orders)	Quick Sort (to sort medicines by price)
PGNO - 171	Restaurant Table Reservation Platform	Queue (to manage table reservation requests)	Merge Sort (to sort reservations by time)
PGNO - 172	Tourism Package Customization Platform	Binary Search Tree (BST) (to store travel packages dynamically)	Quick Sort (to sort packages by cost)
PGNO - 173	Taxi and Cab Service Booking Platform	Queue (to handle cab booking requests in FIFO order)	Bubble Sort (to sort drivers by rating)
PGNO - 174	Home Tutor Search and Booking System	Binary Search Tree (BST) (to store tutors dynamically)	Merge Sort (to sort tutors by subject expertise)
PGNO - 175	Bike Rental and Ride- Sharing Platform	Queue (to manage bike rental requests)	Quick Sort (to sort bikes by availability)
PGNO - 176	Real Estate Agent Finder and Appointment System	Binary Search Tree (BST) (to store real estate agents)	Selection Sort (to sort agents by rating)
PGNO - 177	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 - 179	Second-Hand Car Sales and Purchase Platform	Linked List (to store car listings dynamically)	Merge Sort (to sort cars by price)
PGNO - 180	Event Photography and Videography Booking	Queue (to manage event photography bookings)	Bubble Sort (to sort photographers by rating)
PGNO - 181	Event Ticket Booking System	Queue (to manage ticket booking requests in FIFO order)	Merge Sort (to sort events by popularity or date)
PGNO - 182	Vehicle Rental Service Platform	Linked List (to manage rented vehicle records)	Selection Sort (to sort vehicles based on availability or rent price)
PGNO - 183	Student Course Registration System	Queue (to manage course registration requests)	Insertion Sort (to sort students by registration time)
PGNO - 184	Hotel Room Reservation System	Binary Search Tree (BST) (to manage available rooms efficiently)	Quick Sort (to sort reservations by check-in date)
PGNO - 185	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 - 186	Medical Appointment Scheduling System	Priority Queue (to schedule patient appointments based on urgency)	Bubble Sort (to sort appointments by time slot)
PGNO - 187	Real Estate Property Listings Portal	Binary Search Tree (BST) (to manage property listings dynamically)	Quick Sort (to sort properties by price)
PGNO - 188	Online Grocery Order Management System	Queue (to process customer orders sequentially)	Merge Sort (to sort products by category or price)
PGNO - 189	Car Service and Maintenance Tracker	history records)	Selection Sort (to sort service history by date)
PGNO - 190	Online Bookstore Management System	Linked List (to store book inventory dynamically)	Quick Sort (to sort books by price or rating)
PGNO - 191	Movie Rental and Review Platform	Stack (to manage recently watched movies)	Bubble Sort (to sort movies by rating)
PGNO - 192	Fitness Center Membership System	Queue (to manage membership renewal requests)	Insertion Sort (to sort members by last renewal date)
PGNO - 193	Online Food Delivery Management System	Queue (to manage order processing in sequence)	Quick Sort (to sort food items by price)
PGNO - 194	Driving School Registration and Scheduling System	Queue (to manage driving lesson requests)	Bubble Sort (to sort available instructors by experience)
PGNO - 195	Online Movie Ticket Reservation Platform	Queue (to handle booking requests)	Insertion Sort (to sort movies by release date)
PGNO - 196	Vehicle Parking Management System	Stack (to manage parking slot allocation)	Quick Sort (to sort parking slots by availability)

	Wedding Planning and	Linked List (to store wedding	Bubble Sort (to sort vendors by
PGNO - 197	Vendor Booking System	vendor details dynamically)	price)
	Online Examination and	Linked List (to maintain student	Selection Sort (to sort students
PGNO - 198	Result Management System	records dynamically)	· ·
			by scores)
PGNO - 199	Beauty Salon Appointment	Queue (to manage salon	Quick Sort (to sort
	Booking System	appointment bookings)	appointments by time slot)
PGNO - 200	Online Medical Store	Queue (to process medicine	Quick Sort (to sort medicines
		orders)	by price)
PGNO - 201	Restaurant Table	Queue (to manage table	Merge Sort (to sort reservations
	Reservation Platform	reservation requests)	by time)
	Tourism Package	Binary Search Tree (BST) (to	Quick Sort (to sort packages by
PGNO - 202	Customization Platform	store travel packages	cost)
		dynamically)	
PGNO - 203	Taxi and Cab Service	Queue (to handle cab booking	Bubble Sort (to sort drivers by
1 GNO - 203	Booking Platform	requests in FIFO order)	rating)
PGNO - 204	Home Tutor Search and	Binary Search Tree (BST) (to	Merge Sort (to sort tutors by
PGNO - 204	Booking System	store tutors dynamically)	subject expertise)
DCNO 205	Bike Rental and Ride-	Queue (to manage bike rental	Quick Sort (to sort bikes by
PGNO - 205	Sharing Platform	requests)	availability)
DCMO 200	Real Estate Agent Finder and	Binary Search Tree (BST) (to	Selection Sort (to sort agents by
PGNO - 206	Appointment System	store real estate agents)	rating)
DOMO 205	Bakery Order and Custom	Queue (to handle bakery order	Bubble Sort (to sort orders by
PGNO - 207	Cake Booking Platform	requests)	pickup time)
DOMO 400	Online Toy Store	Linked List (to manage toy	Selection Sort (to sort toys by
PGNO - 208	,	inventory dynamically)	age group)
DOMO 400	Second-Hand Car Sales and	Linked List (to store car listings	Merge Sort (to sort cars by
PGNO - 209	Purchase Platform	dynamically)	price)
	Event Photography and	Queue (to manage event	Bubble Sort (to sort
PGNO - 210	Videography Booking	photography bookings)	photographers by rating)
	Event Ticket Booking	Queue (to manage ticket booking	Merge Sort (to sort events by
PGNO - 211	System	requests in FIFO order)	popularity or date)
10110		,	
	Vehicle Rental Service	Linked List (to manage rented	Selection Sort (to sort vehicles
PGNO - 212	Platform	vehicle records)	based on availability or rent
1 0110 212	2		price)
	Student Course Registration	Queue (to manage course	Insertion Sort (to sort students
PGNO - 213	System	registration requests)	by registration time)
	Hotel Room Reservation	Binary Search Tree (BST) (to	Quick Sort (to sort reservations
PGNO - 214	System	manage available rooms	by check-in date)
FGNO - 214	System	efficiently)	by check-in date)
	Inventory and Stock	Stack (to implement last-in-first-	Merge Sort (to sort stock items
DCNO 215	Management System	out (LIFO) inventory	by expiry date)
PGNO - 215	ivianagement System		by expiry date)
	Madiast America	management)	Dubble Com (1
DOMO 215	Medical Appointment	Priority Queue (to schedule	Bubble Sort (to sort
PGNO - 216	Scheduling System	patient appointments based on urgency)	appointments by time slot)

PGNO - 217	Real Estate Property Listings Portal	Binary Search Tree (BST) (to manage property listings dynamically)	Quick Sort (to sort properties by price)
PGNO - 218	Online Grocery Order Management System	Queue (to process customer orders sequentially)	Merge Sort (to sort products by category or price)
PGNO - 219	Car Service and Maintenance Tracker	Linked List (to store service history records)	Selection Sort (to sort service history by date)
PGNO - 220	Online Bookstore Management System	Linked List (to store book inventory dynamically)	Quick Sort (to sort books by price or rating)
PGNO - 221	Movie Rental and Review Platform	Stack (to manage recently watched movies)	Bubble Sort (to sort movies by rating)
PGNO - 222	Fitness Center Membership System	Queue (to manage membership renewal requests)	Insertion Sort (to sort members by last renewal date)
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	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	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)

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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)
	Beauty Salon Appointment	Queue (to manage salon	Quick Sort (to sort
PGNO - 259	Booking System	appointment bookings)	appointments by time slot)
	Online Medical Store	Queue (to process medicine	Quick Sort (to sort medicines
PGNO - 260	Olimie Wedicai Store	orders)	by price)
2022	Restaurant Table	Queue (to manage table	Merge Sort (to sort reservations
PGNO - 261 PGNO - 262	Reservation Platform	reservation requests)	by time)
	Tourism Package	Binary Search Tree (BST) (to	Quick Sort (to sort packages by
	Customization Platform	store travel packages	cost)
		dynamically)	,
	Taxi and Cab Service	Queue (to handle cab booking	Bubble Sort (to sort drivers by
PGNO - 263	Booking Platform	requests in FIFO order)	rating)
	Home Tutor Search and	Binary Search Tree (BST) (to	Merge Sort (to sort tutors by
PGNO - 264			
	Booking System	store tutors dynamically)	subject expertise)
PGNO - 265	Bike Rental and Ride-	Queue (to manage bike rental	Quick Sort (to sort bikes by
	Sharing Platform	requests)	availability)
PGNO - 266	_	Binary Search Tree (BST) (to	Selection Sort (to sort agents by
1 0110 200	Appointment System	store real estate agents)	rating)
PGNO - 267	Bakery Order and Custom	Queue (to handle bakery order	Bubble Sort (to sort orders by
	Cake Booking Platform	requests)	pickup time)
DCNO 269	Online Toy Store	Linked List (to manage toy	Selection Sort (to sort toys by
PGNO - 268		inventory dynamically)	age group)
DCNO 260	Second-Hand Car Sales and	Linked List (to store car listings	Merge Sort (to sort cars by
PGNO - 269	Purchase Platform	dynamically)	price)
	Event Photography and	Queue (to manage event	Bubble Sort (to sort
PGNO - 270	Videography Booking	photography bookings)	photographers by rating)
	Event Ticket Booking	Queue (to manage ticket booking	Merge Sort (to sort events by
PGNO - 271	System	requests in FIFO order)	popularity or date)
1010 271			popularity of duto,
	Vehicle Rental Service	Linked List (to manage rented	Selection Sort (to sort vehicles
PGNO - 272	Platform	vehicle records)	based on availability or rent
FUNO - 2/2	Tationii	veinere records)	price)
	Student Course Desistration	Oueve (to menero co course	*
PGNO - 273	Student Course Registration	Queue (to manage course	Insertion Sort (to sort students
	System	registration requests)	by registration time)
DOLLO TE	Hotel Room Reservation	Binary Search Tree (BST) (to	Quick Sort (to sort reservations
PGNO - 274	System	manage available rooms	by check-in date)
		efficiently)	
		IC4s als (4s image) amount look in finat	Merge Sort (to sort stock items
	Inventory and Stock	Stack (to implement last-in-first-	
PGNO - 275	Inventory and Stock Management System	out (LIFO) inventory	by expiry date)
PGNO - 275	Management System		
PGNO - 275	-	out (LIFO) inventory	by expiry date)  Bubble Sort (to sort
PGNO - 275 PGNO - 276	Management System	out (LIFO) inventory management)	by expiry date)
	Management System  Medical Appointment	out (LIFO) inventory management) Priority Queue (to schedule	by expiry date)  Bubble Sort (to sort

PGNO - 277	Real Estate Property Listings Portal	Binary Search Tree (BST) (to manage property listings dynamically)	Quick Sort (to sort properties by price)
PGNO - 278	Online Grocery Order Management System	Queue (to process customer orders sequentially)	Merge Sort (to sort products by category or price)
PGNO - 279	Car Service and Maintenance Tracker	Linked List (to store service history records)	Selection Sort (to sort service history by date)
PGNO - 280	Online Bookstore Management System	Linked List (to store book inventory dynamically)	Quick Sort (to sort books by price or rating)
PGNO - 281	Movie Rental and Review Platform	Stack (to manage recently watched movies)	Bubble Sort (to sort movies by rating)
PGNO - 282	Fitness Center Membership System	Queue (to manage membership renewal requests)	Insertion Sort (to sort members by last renewal date)
PGNO - 283	Online Food Delivery Management System	Queue (to manage order processing in sequence)	Quick Sort (to sort food items by price)
PGNO - 284	Driving School Registration and Scheduling System	Queue (to manage driving lesson requests)	Bubble Sort (to sort available instructors by experience)
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)
PGNO - 287	Wedding Planning and Vendor Booking System	Linked List (to store wedding vendor details dynamically)	Bubble Sort (to sort vendors by price)
PGNO - 288	Online Examination and Result Management System	Linked List (to maintain student records dynamically)	Selection Sort (to sort students by scores)
PGNO - 289	Beauty Salon Appointment Booking System	Queue (to manage salon appointment bookings)	Quick Sort (to sort appointments by time slot)
PGNO - 290	Online Medical Store	Queue (to process medicine orders)	Quick Sort (to sort medicines by price)
PGNO - 291	Restaurant Table Reservation Platform	Queue (to manage table reservation requests)	Merge Sort (to sort reservations by time)
PGNO - 292	Tourism Package Customization Platform	Binary Search Tree (BST) (to store travel packages dynamically)	Quick Sort (to sort packages by cost)
PGNO - 293	Taxi and Cab Service Booking Platform	Queue (to handle cab booking requests in FIFO order)	Bubble Sort (to sort drivers by rating)
PGNO - 294	Home Tutor Search and Booking System	Binary Search Tree (BST) (to store tutors dynamically)	Merge Sort (to sort tutors by subject expertise)
PGNO - 295	Bike Rental and Ride- Sharing Platform	Queue (to manage bike rental requests)	Quick Sort (to sort bikes by availability)
PGNO - 296	Real Estate Agent Finder and Appointment System	Binary Search Tree (BST) (to store real estate agents)	Selection Sort (to sort agents by rating)
PGNO - 297	Bakery Order and Custom Cake Booking Platform	Queue (to handle bakery order requests)	Bubble Sort (to sort orders by pickup time)