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2.		A university is developing an Integrated Resource Management System (IRMS) to handle both library and departmental inventory resources. The system should allow staff to input new resource details (e.g., books, lab equipment, or stationery) and enable real-time stock monitoring. Students should be able to reserve resources, such as books or lab kits. If the item is unavailable, the system must queue the student and notify them when it becomes available.	
	(a)	**Analyze** the requirements for the IRMS and design a user-friendly input interface for staff to enter new resource details (e.g., item name, category, quantity, department, supplier, purchase date etc.). Also, **develop** an output interface that displays a real-time stock status report with low-stock alerts.	**5**
	(b)	**Evaluate** the reservation functionality of the IRMS by **preparing** a detailed test case. Your test case should include the test input, expected output, and condition being tested.	**5**