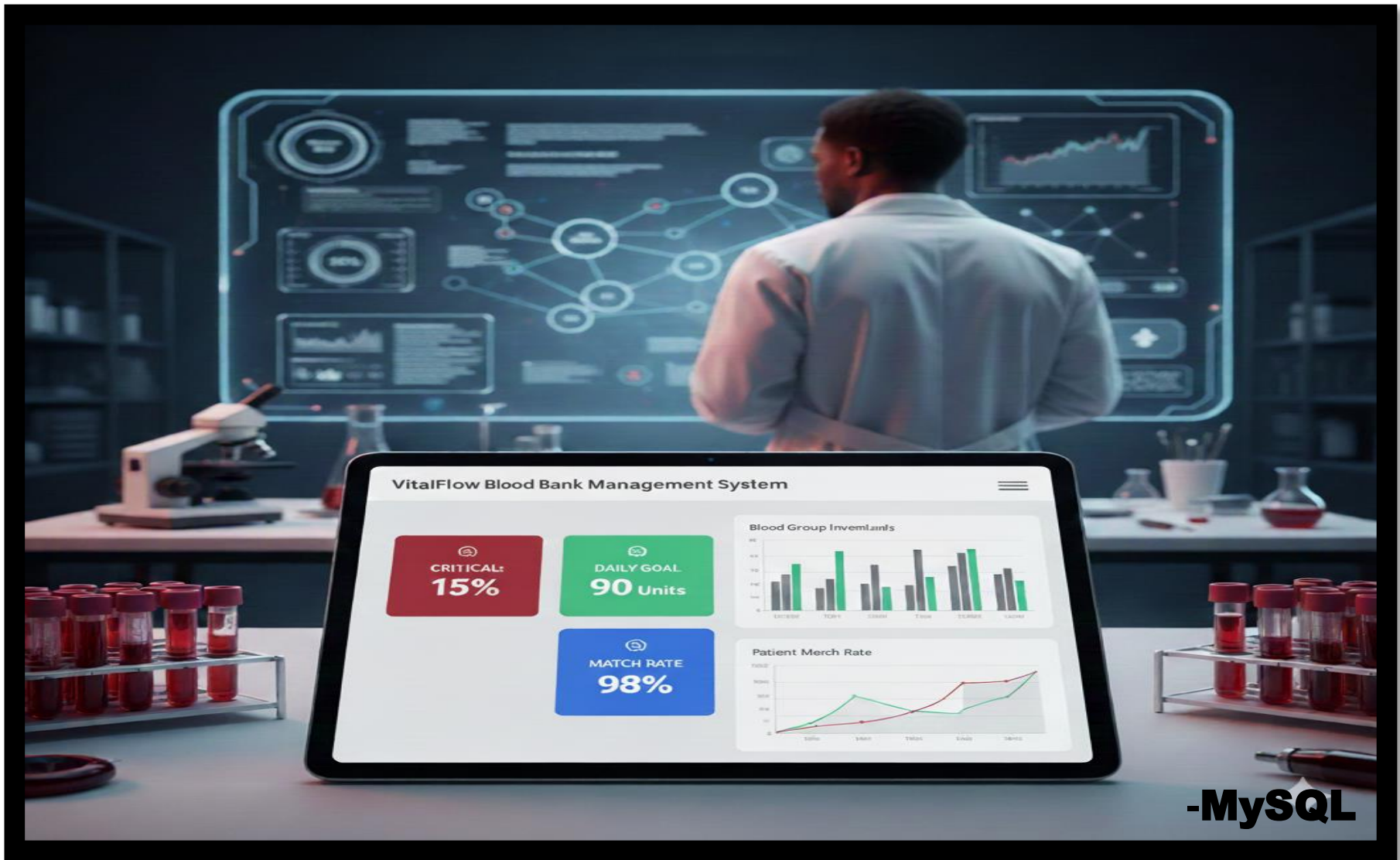


BLOOD BANK MANAGEMENT SYSTEM



```

1  -- unsafe donors
2
3  SELECT DonorID, Result
4  FROM Tests
5  WHERE Result = 'Unsafe';
6
7

```

	DonorID	Result
►	D003	Unsafe

```

1  -- Check blood availability by group:
2
3  SELECT BloodGroup, COUNT(BloodGroup) AS AvailableUnits
4  FROM Blood_Inventory
5  WHERE QualityStatus = 'Good'
6  GROUP BY BloodGroup;
7
8
9

```

	BloodGroup	AvailableUnits
►	A +	1
	O -	1
	AB +	1

```

1  -- All contaminated blood units
2
3  SELECT UnitID, DonorID, BloodGroup, ExpiryDate
4  FROM Blood_Inventory
5  WHERE QualityStatus = 'Contaminated';
6
7
8

```

	UnitID	DonorID	BloodGroup	ExpiryDate
▶	B003	D003	B+	22-01-2026
	B005	D005	O+	24-12-2025

```

1  -- Hospital Demand
2
3  SELECT HospitalID, COUNT(*) AS Requests
4  FROM Recipients
5  GROUP BY HospitalID
6  ORDER BY Requests DESC;
7
8
9

```

	HospitalID	Requests
▶	H001	2
	H002	1
	H003	1

```

1  --Find all recipients who received safe blood units
2
3  SELECT r.RecipientID, r.Name AS RecipientName, r.BloodGroup AS RecipientBloodGroup,
4         h.Name AS HospitalName, bi.UnitID, bi.BloodGroup AS UnitBloodGroup, bi.QualityStatus
5  FROM Recipients r
6  JOIN Hospitals h
7       ON r.HospitalID = h.HospitalID
8  JOIN Transactions t
9       ON r.RecipientID = t.RecipientID
10 JOIN BloodInventory bi
11      ON t.UnitID = bi.UnitID
12 WHERE t.Status = 'Issued'
13      AND bi.QualityStatus = 'Good';

```

	RecipientID	RecipientName	RecipientBloodGroup	HospitalName	UnitID	UnitBloodGroup	QualityStatus
►	R001	Amit Kumar	A+	Apollo Hospital	B001	A+	Good
	R002	Meena Raval	O-	Civil Hospital	B002	O-	Good
	R004	Kavita Jain	AB+	Sterling Hospital	B004	AB+	Good