🔗 Traceability Matrix – Luxury Watch Winder Cabinet

🎯 Purpose

This matrix provides traceability across the entire system design lifecycle, linking:

- **Use Cases (UC) → Customer Features (CF) → System Requirements (SR)**

This ensures all functionality has clear user-driven origin and technical implementation.

📊 Traceability Matrix

Use Case ID	Use Case Description	Customer Feature ID(s)	System Requirement ID(s)
UC01	Boot system	CF01	SR01, SR02
UC02	Authenticate user	CF02	SR03, SR04
UC03	View watch library	CF03	SR05, SR06
UC04	Add new watch (manual)	CF04	SR07, SR08
UC05	Add new watch (voice)	CF05	SR09
UC06	Confirm watch physically placed	CF06	SR11, SR12
UC07	Request watch retrieval	CF07	SR13
UC08	Receive watch	CF08	SR14, SR15
UC09	View system state	CF09	SR16
UC10	Request state change	CF10	SR17, SR18

UC11	Approve/reject state change	CF10	SR18, SR19
UC12	Sync watch DB	CF11	SR08, SR20
UC13	Backup/export user library	CF12	SR14
UC14	Voice assistant interaction	CF05, CF13	SR09, SR10
UC15	Handle system error	CF14	SR22, SR23
UC16	Power loss recovery	CF15	SR19, SR24, SR25

🧩 Notes

- Each **CF** may map to one or more UCs.
- Each **SR** is derived from a CF.
- Matrix allows full backward and forward traceability.