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| Actors | |  | | --- | |  |  |  | | --- | | Supplier Manager | | |
| Pre-conditions | * The Supplier Manager is logged into the Manufacturing System. * The system has access to the supplier database | |
| Post-conditions | |  | | --- | | **.**Supplier records are successfully updated (added, modified, or removed). **.**The supplier list and related data are synchronized and accurate. | | |
| Flow Event | User Action | System Action |
| 1. The Supplier Manager accesses the “Supplier Management” module in the system   3. The Supplier Manager selects an action: Add, Update, or Delete a supplier  5. The Supplier Manager enters or modifies supplier details (e.g., name, contact info, material type, rating).   |  | | --- | |  | | 1. The system displays a list of current suppliers.   4.The system opens the selected form.  6. The system validates the data.  7. The system updates the supplier database accordingly.  8. The system displays a confirmation message to the Supplier Manager. |
| exceptions | **4.1. Invalid data entered**  **7.1. Database connection failed**  5.1.the supplier has active purchase orders | 4.2The system displays an error message and requests correction.  7.2The system shows an error and logs the failure for technical review.  5.2. the system prevents deletion and notifies the manager. |