**Use Case Specification: Supplier Registration**

**1. Use Case Name:**

Supplier Registration

**2. Description:**

This use case allows new suppliers to register with the procurement system, providing all necessary details to become eligible for participation in procurement activities.

**3. Actors:**

* **Supplier**: The main actor who registers on the procurement system.
* **Procurement Officer**: A secondary actor who may verify and approve the supplier's registration.
* **System Administrator**: A secondary actor responsible for managing system settings and user accounts.

**4. Preconditions:**

* The supplier must have internet access to access the registration portal.
* The procurement system must be operational.
* Supplier must have a valid email address for communication.

**5. Postconditions:**

* Successful registration: Supplier's details are saved in the system and the supplier is notified of their registration status.
* Unsuccessful registration: Supplier is informed of any issues and prompted to correct and resubmit their details.

**6. Main Flow (Basic Path):**

1. **Supplier Accesses Registration Portal**: The supplier navigates to the registration page of the procurement system.
2. **Supplier Provides Information**: The supplier enters the required information (e.g., company name, contact details, tax identification number, banking details, etc.).
3. **Document Upload**: The supplier uploads necessary documents (e.g., business licenses, tax certificates).
4. **Review and Submit**: The supplier reviews the entered information and submits the registration form.
5. **System Validates Information**: The procurement system validates the submitted information and checks for completeness.
6. **Acknowledgement**: The system sends an acknowledgment email to the supplier indicating that their registration is under review.
7. **Procurement Officer Review**: The procurement officer reviews the submitted information and documents.
8. **Approval/Rejection**: The procurement officer approves or rejects the registration.
   * If approved, the supplier receives a confirmation email and is granted access to the procurement system.
   * If rejected, the supplier receives an email with reasons for rejection and instructions for resubmission.

**7. Alternative Flows:**

* **Invalid Information**: If the supplier enters invalid or incomplete information, the system prompts for corrections and resubmission.
* **Document Upload Failure**: If there is an issue with document upload, the system prompts the supplier to try again.
* **Manual Review**: In some cases, the procurement officer may need additional information and may contact the supplier directly.

**8. Exceptions:**

* **System Down**: If the procurement system is down, the supplier receives a message indicating the unavailability and to try again later.
* **Email Delivery Failure**: If the acknowledgment or confirmation email fails to send, the system logs the error and attempts to resend.

**9. Special Requirements:**

* The registration system should be user-friendly and accessible.
* Data entered by suppliers should be encrypted and stored securely.
* The system should comply with relevant data protection regulations.
* Multi-language support may be necessary for suppliers from different regions.

**10. Assumptions:**

* Suppliers have basic internet navigation skills.
* All necessary documents are in electronic format ready for upload.

**11. Notes and Issues:**

* Integration with external databases for validation (e.g., tax authorities) may be required.
* Scalability to handle multiple simultaneous registrations.
* Mechanism for handling duplicate registrations.