



### Functional Requirements:

**Real-Time Theft Detection & Alerts** – The system shall detect unauthorized access attempts or suspicious activity within **5 seconds** and notify the homeowner via a mobile app or other communication channels.

**Secure Package Storage** – The system shall provide a secure storage mechanism that allows authorized delivery personnel to place packages in a designated area and prevents unauthorized access.

**Monitoring & Surveillance** – The system shall record and store video footage of all package deliveries and access attempts for a minimum of **7 days**, enabling homeowners to review past events.

**Multi-User Access** – The system must support multiple authorized users (e.g., household members) to access delivery and security features.

**Incident Reporting** – The system shall allow homeowners to generate and submit package theft reports within **10 minutes** of detecting an issue, including relevant timestamps.