

# Requirements: Asset Maturation & Settlement Workflow

## Applicable Asset Types:

✔ Whisky, Wine only

✘ Gemstones, Watches, Others → *These assets remain perpetually tradable via Peer Offers and are excluded from this logic.*

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## 1. Asset Maturity Trigger

- **Rule:** Whisky and wine assets must include a maturity\_date field at the time of asset creation.
  - **System Function:**
    - A **background job** (cron or equivalent) checks daily for assets reaching **14 days before maturity**.
    - Flag these assets as approaching\_maturity = true.
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## 2. Automated Email Notification (14 Days Before Maturity)

- **Trigger:** For each affected asset, send email to all current owners.
  - **Email content to include:**
    - Asset name, cover image, and ID
    - Expected maturity date and estimated payout amount
    - Reminder that the asset will enter **In Settlement** and be locked from trading
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## 3. System Status Update on Maturity Date

- **Trigger:** On exact maturity date, the asset status updates system-wide.
- **Required Changes:**
  - Status in “My Portfolio” becomes **In Settlement**
  - Status in backend dashboard also marked as **In Settlement**
  - Disable listing, editing, or trading actions on the asset
  - Any active Peer Offers must be removed from view
  - Block new listing attempts (if any) via error message:

“This asset has matured and is no longer available for trading.”

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## 4. Peer Offers Conflict Management

- **If asset is listed on Peer Offers before maturity:**
  - Automatically **remove listing** on the maturity date
  - Send email notification to the seller:

“Your listing of [Asset Name] has been removed as the asset has reached maturity and is now in settlement.”

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## 5. Admin Controls in Backend

- **Fields to Manage:**
    - View assets in “In Settlement” state
    - Update manually to **Paid Out**
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## 6. Payout Handling

- **On Admin status update to “Paid Out”:**
  - System distributes payouts to all wallet addresses according to # of fractions held (e.g. 3 fractions = 3 x payout per NFT)
  - A **payout transaction** is logged in user's **Transaction History**
  - Trigger automated confirmation email to user:

“Payout completed for your [Asset Name] investment. You have received [X USDT] in your wallet.”

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## 7. Transaction History Logging

- For each owner:
    - Asset Name
    - Number of fractions held
    - Payout amount (USDT)
    - Timestamp
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## Summary Table

| <b>Step</b>                            | <b>System/Manual</b> | <b>Applies to</b> | <b>Action</b>                                    |
|--|----------------------|-------------------|--|
| <b><i>Pre-Maturity Reminder</i></b>    | System               | Whisky/Wine       | 14-day email to owners                           |
| <b><i>Maturity Date Lock</i></b>       | System               | Whisky/Wine       | Asset moves to "In Settlement", trading disabled |
| <b><i>Active Listing Removal</i></b>   | System               | Whisky/Wine       | Auto-remove from Peer Offers + notify seller     |
| <b><i>Admin Update to Paid Out</i></b> | Manual (Admin)       | Whisky/Wine       | Trigger wallet disbursement & confirmation email |
| <b><i>Payout Record Logging</i></b>    | System               | Whisky/Wine       | Log entry in Transaction History                 |