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| RAZDA Co. | | |
| **Filename: [order\_confirmation.py]** | | |
| **Summary***:*  Automates confirmation for fulfilled orders, verifying details with the factory, updating statuses in Squarespace, and notifying both customers and admins as needed. Ensures smooth post-fulfillment tracking and customer communication. | | |
| ***Processes*** | | |
| * **Fetch Fulfilled Orders** | **fetch\_fulfilled\_orders retrieves orders marked as fulfilled by the factory and ready for final confirmation in Squarespace.** | |
| * **Confirm Orders** | **confirm\_orders manages fulfilled orders in batches, invoking confirm\_order for each.** | |
| * **Confirm Single Order** | **confirm\_order verifies each order with the factory, updating status in Squarespace and retrying upon failure with exponential backoff if necessary.** | |
| * **Update Order Status** | **update\_order\_status updates the order's status to 'Confirmed' in Squarespace after verification.** | |
| * **Log Confirmation History** | **log\_confirmation\_history saves each order’s details, status, and timestamps for tracking.** | |
| * **Notify Admin** | **notify\_admin sends alerts to admins when orders encounter issues, such as multiple failed confirmation attempts.** | |
| * **Notify Customer** | **notify\_customer informs customers via email about the confirmed status of their orders, enhancing transparency and communication.** | |
| * **Handle Confirmation Discrepancies** | **handle\_confirmation\_discrepancies identifies any unconfirmed orders with discrepancies, logging and alerting admins to review them.** | |
| * **Periodic Confirmation Sync** | **periodic\_confirmation\_sync runs the confirmation process on a scheduled basis, ensuring timely updates and handling of confirmed orders.** | |
| **Files it Gets Information From:** | | **Files it Sends too:** |
| * **Squarespace API**: Fetches orders marked as fulfilled and updates confirmed statuses. | * **Factory API**: Verifies each order’s fulfillment details, ensuring correct data before final confirmation. | |
| * **Environment Variables**: Loads configurations like retry limits, alert thresholds, and confirmation batch sizes. | * **Alerts Module**: Sends notifications to admins when orders encounter confirmation issues or discrepancies. | |
| **Expected input into file:** | | **Expected output from file:** |
| * **Fulfilled Orders Data**: Fetched from Squarespace, containing order details ready for confirmation. * **Order Confirmation API URL and Keys**: Required for factory authentication and API interactions. | | * **Order Status Updates**: Confirms and updates each order’s status in Squarespace. * **Confirmation Log**: Logs each order’s confirmation details for future audits and tracking. * - **Discrepancy Log**: Flags any unconfirmed orders that deviate from expected status |
| **Things that need to be taking place:** | | |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  | | --- | | **- Regular Confirmation Processing: periodic\_confirmation\_sync ensures orders are confirmed promptly and on schedule, reducing delays.** |  |  | | --- | | **- Admin Alerting: notify\_admin provides alerts if an order encounters multiple confirmation failures, allowing for manual review or intervention if needed.** |  |  | | --- | | **- Customer Notification: notify\_customer keeps customers updated with order confirmations, improving user experience and reducing inquiries.** |  |  | | --- | | **- Exponential Backoff for Retries: confirm\_order implements retry backoff, reducing strain on systems and improving success rates.** |  |  | | --- | | **- Confirmation History Logging: log\_confirmation\_history maintains accurate logs for all confirmed orders, supporting transparency and auditing.** | | | | |
| Edit log (update each time you make changes to doc or file). | | |
| * Oliver Smith (Razda Admin) Nov 8, 2024: | | |