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| RAZDA Co. | | |
| **Filename: [order\_integration.py]** | | |
| **Summary***:*  The order\_integration.py script handles order data synchronization between Razda Market and SquareSpace. This file is responsible for communicating completed orders to SquareSpace’s order management system, ensuring that records remain consistent across both platforms. It retrieves order details, compiles the necessary product and user information, and submits it to SquareSpace, keeping the Razda Market and SquareSpace databases in sync regarding order statuses and items. | | |
| ***Processes*** | | |
| * **Environment and Logging Setup:** | **Loads environment variables and configures logging in order\_integration.log to capture each order integration action, including successful updates and errors. Logs support monitoring, tracking order integrations, and diagnosing issues.** | |
| * **Authentication Verification:** | **Imports SquareSpaceAuth to manage SquareSpace API authentication. Checks for a valid access token, ensuring secure communication with the SquareSpace order system and preventing** | |
| * **Order Data Retrieval:** | **Fetches detailed order data, including items, product details, quantities, and prices. Structures data for each product, preparing it for seamless integration with SquareSpace. Logs successful retrieval and captures errors if data access fails.** | |
| * **SquareSpace Order Submission:** | **Sends the compiled order data to SquareSpace’s API, ensuring the order is recorded in SquareSpace’s system. Logs successful integration actions and captures errors if the API request fails, aiding in tracking the integration status.** | |
| **Files it Gets Information From:** | | **Files it Sends too:** |
| * **SquareSpaceAuth (squarespace\_auth.py)**: Manages authentication, providing an access token for secure communication with SquareSpace’s API. Ensures only authenticated requests are sent. | * **Log file (order\_integration.log)**: Logs each integration attempt, capturing details such as order ID, user ID, status, and error details. This log supports auditing, troubleshooting, and tracking integration health. | |
| * **ProductCatalog (product\_catalog.py)**: Manages order and product retrieval, enabling detailed access to orders, items, and product data. Ensures that data pulled for integration is current and accurate. |  | |
| * **User Session**: Ensures that only authenticated users can trigger order integration, protecting order data and restricting access to authorized users only. |  | |
| **Expected input into file:** | | **Expected output from file:** |
| * **Order ID and User Session**: Required inputs for fetching specific order details and authorizing the user for integration. **Order Data**: Retrieved from ProductCatalog, formatted into JSON, including order\_id, status, total\_amount, and product details (product\_id, name, quantity, price). | | * **Order Integration Status Log**: Logs each integration action, detailing successes and errors for auditing. **SquareSpace API Response**: Returns a response indicating the success or failure of the integration, capturing response details for troubleshooting if errors occur. |
| **Things that need to be taking place:** | | |
| |  | | --- | | **1. Environment Variable Verification: Confirm that all necessary environment variables are present in .env, including SquareSpace API credentials. Validate successful token retrieval through squarespace\_auth, ensuring secure access to SquareSpace’s API.** |  |  | | --- | | **2. Logging Verification: Ensure order\_integration.log captures each integration attempt, recording successes and failures with relevant timestamps and user information, providing a complete audit trail for monitoring and troubleshooting.** |  |  | | --- | | **3. Authentication Validation: Confirm SquareSpaceAuth manages authentication securely, verifying the access token before each integration attempt to avoid unauthorized actions. Return descriptive error messages and logs if access fails.** |  |  | | --- | | **4. Order and Product Data Accuracy:** |  |  | | --- | |  | | | |
| Edit log (update each time you make changes to doc or file). | | |
| * Oliver Smith (Razda Admin) Nov 8, 2024: | | |