

From: Diogo & Pedro, CEOs of REGATTA

In our continuous effort to innovate and streamline operations at REGATTA, we are kicking off a new project to automate the digitization of restaurant menus.

By leveraging Generative AI (GenAI), we aim to convert menu images and PDFs into structured Excel files, facilitating seamless uploads into our platform.

This initiative will enhance our efficiency, reduce manual data entry errors, and accelerate the onboarding process for new restaurant partners.

Our goal is to create a digital menu in less than 5 minutes and have that as a selling point.

Key Objectives

- 1. Enhance Data Accuracy and Consistency**
 - Implement AI models to reduce manual errors in data entry.
 - Standardize menu data formatting across all uploads.
- 2. Improve Operational Efficiency**
 - Decrease the time required to onboard new menus.
 - Allow our team to focus on higher-value tasks by automating repetitive processes.
- 3. Expand Scalability**
 - Enable the handling of a larger volume of menus as we grow our restaurant partnerships.

Technical Implementation

1. Data Conversion Pipeline

- **PDF to Image Conversion:**
- **AI-powered Data Extraction:**

2. Excel Template and Formatting

- **Template Structure:**
- **Column Specifications:**

3. Data Validation and Error Handling

Page Details

Purpose:

The purpose of this page is to provide clear instructions for filling out an Excel sheet that will be used to upload menu items. This structured approach ensures data consistency and accuracy for effective menu management.

Overview:

- Each row in the Excel spreadsheet represents a unique item, categorized under a category or subcategory.
- Category and Subcategory names are repeated for items under the same subcategory.
- Specific columns are left blank when not applicable, such as subcategory details for items directly under a category.
- Detailed item information including names, prices, descriptions, and more should be unique for each entry.
- The content of the uploaded menu will be appended to the current menu without deleting any of the current menu.

Columns Guide:

| Column Name | Description | Accepted Values | Example |
|---|---|---|-----------|
| Category Title (Column A) | Category names in Portuguese | Text, 256 characters max | Bebidas |
| Category Title in English (Column B) (Optional) | English translations of category titles | Text, 256 characters max | Beverages |
| Subcategory Title (Column C) (Optional) | Subcategory titles in Portuguese | Text, 256 characters max or leave blank | Sucos |

| Column Name | Description | Accepted Values | Example |
|--|--|---|-----------------------|
| Subcategory Title in English (Column D) (Optional) | English translations of subcategory titles | Text, 256 characters max or leave blank | Juices |
| Item Name (Column E) | Item names in Portuguese | Text, 256 characters max | Água Mineral |
| Item Name in English (Column F) (Optional) | English translations of item names | Text, 256 characters max or leave blank | Mineral Water |
| Item Price (Column G) | Price of each item | Text | 2.50 or 2,50 |
| Calories (Column H) (Optional) | The caloric content of each item | Numeric | 150 |
| Portion Size (Column I) | Portion size for each item. | Text | 500ml |
| Availability (Column J) (Optional) | Current availability of the item | Numeric | 1 for Yes 0 for No |

| Column Name | Description | Accepted Values | Example |
|---|--|--------------------------|--------------------------------|
| Item Description in Portuguese (Column K) (Optional) | Detailed description of items in Portuguese | Text, 500 characters max | Contains essential minerals |
| Item Description in English (Column L) (Optional) | Detailed description of items in English | Text, 500 characters max | Contains essential minerals |

Notes:

- It is crucial to ensure all data entered follows the specified formats to maintain the integrity of the database.
- Review the data for accuracy and consistency before submitting the Excel sheet to avoid errors in menu representation.
- If the uploaded document does not fulfill all requirements, the menu won't be uploaded and you will get an error message with which rows contain issues.