



| Actor | Use Cases |
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| Food Identification API Nutritional Information API User | Capture Food Image Confirm Meal Entry Dietary Plan Recommendations Edit Meal Entry Identify Food Log Meal Login Recapture Image Registration Retrieve Nutritional Information Set/Edit Personal Information View History View Meal Entry |

Data Dictionary

| Term | Definition |
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| Food Identification API | An API that uses machine learning and computer vision algorithms to analyze images or descriptions of food items and identify their names. |
| Nutritional Information API | An API that can retrieve detailed |

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| | nutritional information about food products, such as the calorie content and macro information. |
| User | An individual who downloads, installs and uses our mobile application, Nutri-Vision. |
| Capture Food Image | Uploading an image of a food item from the user's gallery; or taking a real-time image of a food item using the user's smartphone camera. |
| Confirm Meal Entry | The act of verifying and finalizing the entry of a meal into the daily meal log. |
| Dietary Plan Recommendations | Personalized suggestions for a person's diet based on various factors such as their health goals, dietary preferences and nutritional needs. The guidance typically includes the quantities of food to consume, the nutritional information of the food, and whether the food consumed is aligned with the user's health goals. |
| Edit Meal Entry | The act of modifying the details of a meal before it is logged into the meal log; or modification of a previously entered meal, to correct any mistakes or to update information about the foods consumed. |
| Identify Food | The process of recognizing or determining the name of a food item using the Food Identification API. |
| Log Meal | The act of recording or entering details about a meal, such as the foods consumed and portion sizes. |
| Login | The process of accessing the mobile application by providing credentials that uniquely identify the user - the email and password. |
| Recapture Image | Reuploading an image of a food item from the user's smartphone gallery; or |

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| | retaking a real-time image of a food item using the user's smartphone camera because of blurry/invalid images before. |
| Registration | The process of signing up or creating an account on Nutri-Vision. The user has to provide an email and a desired password to create a unique account that allows them to access Nutri-Vision's features and services. |
| Retrieve Nutritional Information | The process of retrieving detailed nutritional information about food products, such as the calorie content and macro information, using the Nutritional Information API. |
| Set/Edit Personal Information | The act of entering/modifying the user's personal details on Nutri-Vision, such as their name, age, gender, contact information, health goals, dietary preferences, and nutritional goals. |
| View History | The act of accessing a reverse chronological record of past meal entries by the user. |
| View Meal Entry | The act of accessing each individual meal entry in the user's history. |