NutriWISE

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Data Dictionary

*\*Student Table*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | Field Size | Description | Example |
| **id (PK)** | integer | 11 | Unique ID for all students | 01111111111 |
| **fullName** | varchar | 100 | Full name of the students | Jephthah Jehosaphat Landicho |
| **email** | varchar | 100 | E-mail address of the students | jephlandicho@yahoo.com |
| **username** | varchar | 100 | The students’ username inside the system. | JJLandicho |
| **password** | varchar | 100 | The students’ password to access the system. | \*\*\*\*\*\*\*\* |

*\*Student\_Class Table*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | Field Size | Description | Example |
| **id (PK)** | integer | 11 | Unique ID for all users | 02222222222 |
| **student\_id (FK)** | integer | 11 | Unique ID of the student from the Students table | 01111111111 |
| **class\_id (FK)** | integer | 11 | Unique ID of the class from the Classes table | 01212121212 |

\**Classes Table*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | Field Size | Description | Example |
| **id (PK)** | integer | 11 | Unique ID for all users | 01212121212 |
| **professor\_id (FK)** | integer | 11 | Unique ID of the professor from the Professor table | 03333333333 |
| **class\_name** | varchar | 50 | Name of the class | Integrative Programming and Technologies |
| **class\_code** | varchar | 10 | Code for entering the class of the courseware. | g5gdp1w5yt |
| **description** | varchar | 100 | Description of the class. | Examines the integration of systems and applications across global businesses; explores programming interfaces, data mapping and exchange, scripting, and programming languages to support the configuration, maintenance, integration, and security of systems. |

*\*Professor Table*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | Field Size | Description | Example |
| **id (PK)** | integer | 11 | Unique ID for all professors | 03333333333 |
| **fullName** | varchar | 100 | Full name of the professors | Ynocencio Madriaga |
| **email** | varchar | 100 | E-mail address of the professors | [ynomadriaga@gmail.com](mailto:ynomadriaga@gmail.com) |
| **username** | varchar | 100 | The professors’ username inside the system. | yknows1991 |
| **password** | varchar | 100 | The professors’ password to access the system. | \*\*\*\*\*\*\*\*\* |

*\*Materials Table*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | Field Size | Description | Example |
| **id (PK)** | integer | 11 | Unique ID for the material. | 07878787878 |
| **class\_id** | integer | 11 | ID of the class it belongs to. | 01212121212 |
| **description** | varchar | 150 | Description of the material. | Integrative programming deals with an integration approaches and techniques that connect different components of IT infrastructure-people, applications, platforms, and databases to enable a secured intra and inter application collaboration. Integrative solutions enable an organization to integrate business processes internally and externally with business partners to create dynamic environments that supports current and evolving business requirements, thereby creating a global organization. |
| **materials** | varchar | 150 | Type of material. | PDF Book |
| **links** | varchar | 150 | Link of the material online. | https://pdfcoffee.com/it-12-integrative-programming-and-technologies-learnerx27s-module-unit-final-period-pdf-free.html |
| **date** | date |  | Date published or created materials. | January 24, 2013 |

*\*Client Table*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | Field Size | Description | Example |
| **id (PK)** | integer | 11 | Unique ID for every client. | 05555555555 |
| **fullName** | varchar | 100 | Full name of the client. | Cleo Angelo Dimailig |
| **sex** | varchar | 10 | Sex of the client | Male |
| **birthDate** | date |  | Date of birth of the client. | October 7, 2001 |

*\*Foods Table*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | Field Size | Description | Example |
| **id (PK)** | integer | 11 | Unique ID of the food. | 04444444444 |
| **food\_name** | varchar | 100 | Name of the assigned food. | Bangus, sliced |
| **food\_group** | varchar | 100 | Food group of the food assigned. | LF Meat |
| **household\_measurement** | varchar | 50 | Allowed household measurement of the food. | 1 slice |
| **food\_weight** | float |  | Weight of the food assigned. | 35.0(grams) |

\**Meal\_Plan Table*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | Field Size | Description | Example |
| **id (PK)** | integer | 11 | Unique ID of the food. | 05555555555 |
| **exchange\_id (FK)** | integer | 11 | Unique ID of the food exchange form the Exchanges table. | 02323232323 |
| **meal\_time** | varchar | 20 | Mealtime of the day (Breakfast, AM Snack, Lunch, PM Snack, Dinner) | Dinner |
| **exchange\_distribution** | float |  | Number of exchanges of the food. | 1 |
| **food\_id (FK)** | integer | 11 | Unique ID of the food from the Foods table. | 04444444444 |

\**Meal Table*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | Field Size | Description | Example |
| **id (PK)** | integer | 11 | Unique ID for all users | 03232323232 |
| **meal\_plan\_id (FK)** | integer | 11 | Unique ID of the meal plan from the Meal\_plan table | 05555555555 |
| **meal\_name** | varchar | 100 | Name of the meal | Broiled Bangus |

\**Exchanges Table*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | Field Size | Description | Example |
| **id (PK)** | integer | 11 | Unique ID for the exchanges per food group | 04545454545 |
| **measurement\_id (FK)** | integer | 11 | ID of the client’s measurements from the Client\_Measurements table. | 06666666666 |
| **vegetables** | float |  | Number of exchanges of vegetables. | 3 |
| **fruit** | float |  | Number of exchanges of fruit. | 5 |
| **milk** | float |  | Number of exchanges of milk. | 1 |
| **sugar** | float |  | Number of exchanges of sugar. | 3 |
| **riceA** | float |  | Number of exchanges of rice A | 1 |
| **riceB** | float |  | Number of exchanges of rice B. | 5 |
| **riceC** | float |  | Number of exchanges of rice C. | 1 |
| **lfMeat** | float |  | Number of exchanges of low-fat meat. | 2 |
| **mfMeat** | float |  | Number of exchanges of medium-fat meat. | 2 |
| **fat** | float |  | Number of exchanges of fat. | 2 |
| **TER** | float |  | Total Energy Requirement of the client | 1522 |
| **carbohydrates** | float |  | Computed carbohydrates of the client. | 247 |
| **protein** | float |  | Computed protein of the client. | 57 |
| **fats** | float |  | Computed fats of the client. | 34 |

\**Client Measurements*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Data Type | Field Size | Description | Example |
| **id (PK)** | integer | 11 | Unique ID for the client’s anthropometric measurements. | 06666666666 |
| **client\_id (FK)** | integer | 11 | ID of the client form the client table. | 05555555555 |
| **waistCircum** | float |  | Waist circumference of the client | 34 (cm) |
| **hipCircum** | float |  | Hip circumference of the client | 36 (cm) |
| **weight** | float |  | Weight of the client | 90 (kg) |
| **height** | float |  | Heigh of the client | 1.65 (m) |
| **physicalActLevel** | varchar | 50 | Physical Activity Level of the client (Sedentary, Light, Moderate, Very Active). | Moderate |
| **WHR** | float |  | Waist-Hip Ratio of the client | 0.94 (cm) |
| **BMI** | float |  | Body Mass Index of the client | 33.1 (kg/m2) |
| **remarks** | varchar | 50 | Remarks of the client (Underweight, Normal, Overweight, Obese 1, Obese 2) | Obese 1 |
| **DBW** | float |  | Desirable Body Weight of the client | 58.50 (kg) |
| **TER** | float |  | Total Energy Requirement of the client | 2350 (kcal) |
| **protein** | float |  | Computed protein of the client | 380 (g) |
| **carbs** | float |  | Computed carbohydrates of the client | 90 (g) |
| **fats** | float |  | Computed fats of the client | 50 (g) |