

Candela Documentation

**“Indulge in the new faces of candles”**

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**Scopes and Limitations**

**Scopes**

Candela website offers its own e-commerce service to sell Candela’s products to its customers. This website allows the users to create an account and save their orders (in basket) in their account before checking out. Guest feature allows users to order without an account for ease of use.

**Limitations**

The products available in the website are only made by Candela other products related to candles are not included in the website. In addition, the delivery of the orders will only be executed every Friday of the week. As for the user account information, user can only have one address saved in their account. Using guest feature when ordering product/s, their orders cannot be viewed on the website, but rather receive notifications through other means.

**Webpages**

**Database System**

**ERD Design**

A screenshot of a computer

Description automatically generated

**Database Name and Tables**

Database name: **candela\_db**

Abbreviations:

* *PK* = Primary Key
* *AI* = Auto Increment
* *FK* = Foreign Key
* *ref* = references
* *NN* = Not Null
* *CT* = Current Timestamp

|  |  |  |
| --- | --- | --- |
| Users |  |  |
| user\_id | mediumint | NN PK AI |
| username | varchar(255) | NN |
| lastname | varchar(255) | NN |
| email | varchar(100) | NN |
| contactnumber | varchar(11) | NN |
| password | varchar | NN |
| registration\_date | timestamp | NN CT |
| type | boolean (tinyint) | NN |

|  |  |  |
| --- | --- | --- |
| Addresses |  |  |
| address\_id | mediumint | NN PK AI |
| user\_id | mediumint | NN FK: ref Users(*user\_id*) |
| address | text | NN |
| barangay | varchar(255) | NN |
| created\_at | timestamp | NN CT |

|  |  |  |
| --- | --- | --- |
| Contacts |  |  |
| contact\_id | mediumint | NN PK AI |
| user\_id | mediumint | FK: ref Users(*user\_id*) |
| name | varchar(255) | NN |
| email | varchar(255) | NN |
| contactnumber | varchar(11) | NN |
| subject | varchar(255) | NN |
| comment | text | NN |
| feedback\_date | timestamp | NN CT |

|  |  |  |
| --- | --- | --- |
| Products |  |  |
| product\_id | mediumint | NN PK AI |
| name | varchar(255) | NN |
| image | varchar(255) | NN |
| price | varchar(10) | NN |
| stocks | smallint | NN |
| description | text | NN |
| product\_added\_date | timestamp | NN CT |

|  |  |  |
| --- | --- | --- |
| Basket\_Items |  |  |
| basket\_id | mediumint | NN PK AI |
| user\_id | mediumint | NN FK: ref Users(user\_id) |
| product\_id | mediumint | NN FK: ref Products(product\_id) |
| quantity | mediumint | NN |
| item\_added\_date | timestamp | NN CT |

|  |  |  |
| --- | --- | --- |
| Checkout\_Orders |  |  |
| checkout\_id | mediumint | NN PK AI |
| user\_id | mediumint | FK: ref Users(*user\_id*) |
| order\_id | varchar(255) | NN |
| firstname | varchar(255) | NN |
| lastname | varchar(255) | NN |
| email | varchar(255) | NN |
| contactnumber | varchar(11) | NN |
| address | text | NN |
| barangay | varchar(255) | NN |
| products | text | NN |
| shipping\_fee | smallint | NN |
| total | int | NN |
| checked\_out | Timestamp | NN |
| delivered | varchar(255) | NN CT |

**Guest User Feature**

Candela supports a guest user checkout feature where in a user can order through Candela without an account. This eliminates the hassle of creating an account when the user only intends to buy only once in the store. However, there are limitations that the unregistered user would encounter.

As seen in the database table, the user id in the checkout\_orders table is not required, indicating it will be NULL when user orders without an account.

Here are the actions a guest user is limited to. A guest user:

* cannot save the orders for later use. The items saved in the basket will only be stored as a SESSION variable. It will be removed when the browser’s cache/history is removed, or another user logged in.
* cannot view their previous orders in the store.
* cannot track their orders.
* cannot receive order status from the website.
* must still provide the complete information also to complete the processing of the order.

They can only receive updates of the order through their contact information, such as contact number or e-mail. Notifications such as order has been cancelled, on the way or is delivered will be pushed through.

**User Account**

While creating an account for Candela is optional, it provides benefits for the user. A user account can track the order, keep their orders for later and save all the previous order as records. This also provides ease of contacting the Candela team for further assistance as well.

**User Information**

The basic information a user account contains are:

* Firstname / “Username”
* Lastname
* Email
* Contact Number
* Password
* User Type

The first name of the user will be used as the user’s username. This username is used to address the user throughout their website. Their contact number is optional when signing up a new account, but necessary when checking out an order. The user type is a system way of differentiating between customers and the admin of the website.

Each user account will hold one delivery address information which consists of:

* User Address
* Barangay

**User Information Requirements**

Here are the requirements for each field in user information.

**Firstname / “Username”:**

* + not empty
  + at most 255 characters

**Lastname:**

* + not empty
  + at most 255 characters

**Email:**

* + not empty
  + at most 100 characters
  + a valid email
  + not yet registered / taken in the website

**Contact Number:**

* + optional in registration
  + starts with ‘09’ and contains 11 digits

**Password:**

* + not empty
  + at least 8 characters
  + will store its hashed value in the database using PASSWORD\_BCRYPT algorithm

**User Type:**

* + each new user is marked as type 0 (zero) representing as customer
  + each account with user type 1 (one) represents as the admin

**Address:**

* + not empty

**Barangay:**

* + valid / included in official list of barangays in City of Imus, Cavite (can be found in Further Information Section

Note: The validation can be found in process\_userconn.php and account\_user\_edit\_info.php files under utilities folder. For getting the information from the database, all SQL queries can be found in server.php under utilities folder. They are divided into classes depending on which table they belong to.

**My Account**

My Account page is dedicated for user’s personal information, as well as providing them the ability to change their own information and view their order records. This page consists sections about:

* their basic information
  + firstname / “username”
  + lastname
  + email
  + contact number
* address information
  + address
  + barangay
* change password
* order history, 5 orders per page
* delete account
  + to be confirmed by (1) typing the password, and (2) clicking yes on the modal pop up confirmation.

**Admin Rights**

When a user has a type 1 in the system, they are the administrators who oversees on the system. They have the right to view the admin pages.

**User Account Functionalities**

User type is divided into two, customer (*0 / zero*) and admin (*1 / one*). Here are the functionalities of the two types:

|  |  |
| --- | --- |
| Customer | Admin |
| * can edit own personal information * can change password * can delete own account * can order all available products less than or equal its stocks * can remove item placed in basket * can clear the whole basket * can checkout and confirm the basket orders * can receive the orders checked out * can view previous checked out orders * can send a feedback | * can perform all customer’s functionalities * can view all admin pages * can view the list of users registered * can delete a user account if deemed necessary * can add a product and all its information * can edit the product information * can modify the delivery status of every order * can track all the orders sent through * can view all the feedbacks sent by customers |

**Product Information**

aaaaa

**Further Information**

**List of Barangays**

Here is the list of barangays around City of Imus, Cavite that would be used on the website. Other barangays not included are deemed invalid.

|  |  |  |  |
| --- | --- | --- | --- |
| Alapan I-A | Alapan I-B | Alapan I-C | Alapan II-A |
| Alapan II-B | Anabu I-A | Anabu I-B | Anabu I-C |
| Anabu I-D | Anabu I-E | Anabu I-F | Anabu I-G |
| Anabu II-A | Anabu II-B | Anabu II-C | Anabu II-D |
| Anabu II-E | Anabu II-F | Bagong Silang | Bayan Luma I |
| Bayan Luma II | Bayan Luma III | Bayan Luma IV | Bayan Luma V |
| Bayan Luma VI | Bayan Luma VII | Bayan Luma VIII | Bayan Luma IX |
| Bucandala I | Bucandala II | Bucandala III | Bucandala IV |
| Bucandala V | Buhay Na Tubig | Carsadang Bago I | Carsadang Bago II |
| Magdalo | Maharlika | Malagasang I-A | Malagasang I-B |
| Malagasang I-C | Malagasang I-D | Malagasang I-E | Malagasang I-F |
| Malagasang I-G | Malagasang II-A | Malagasang II-B | Malagasang II-C |
| Malagasang II-D | Malagasang II-E | Malagasang II-F | Malagasang II-G |
| Mariano Espeleta I | Mariano Espeleta II | Mariano Espeleta III | Medicion I-A |
| Medicion I-B | Medicion I-C | Medicion I-D | Medicion II-A |
| Medicion II-B | Medicion II-C | Medicion II-D | Medicion II-E |
| Medicion II-F | Pag-Asa I | Pag-Asa II | Pag-Asa III |
| Palico I | Palico II | Palico III | Palico IV |
| Pasong Buaya I | Pasong Buaya II | Pinagbuklod | Poblacion I-A |
| Poblacion I-B | Poblacion I-C | Poblacion II-A | Poblacion II-B |
| Poblacion III-A | Poblacion III-B | Poblacion IV-A | Poblacion IV-B |
| Poblacion IV-C | Poblacion IV-D | Tanzang Luma I | Tanzang Luma II |
| Tanzang Luma III | Tanzang Luma IV | Tanzang Luma V | Tanzang Luma VI |
| Toclong I-A | Toclong I-B | Toclong I-C | Toclong II-A |
| Toclong II-B |  |  |  |

Note: The list of barangays is saved as a text file and is stored in barangay.txt file in information folder. The content in the text file will be saved in an array. This array is used to validate if the selected barangay of the user is valid or not.

**FAQ**s

The FAQs information are stored in a text file in information folder, alternating between question and answer. The content is also saved in an array to be used in a loop while displaying it in the website FAQs page.

**Fonts**

Lemon Tuesday

Oswald

Oswald Regular

Consolai