Introduction

This application is designed to store the order history of customers for your cookie business. Initializing the program is simple as it comes with a database at download. If a preexisting database is desired, you can take the CookieDatabase.mdf file from the old database app files and replace the existing Cookie database.mdf file in the new application. From there, open the MegsCookieDatabase application. This will open the main menu hub, which has three buttons on it for the three different functions of this application.

The first button is the "History" button, for information regarding it please open the **History Window** section. The second button is the "New Order" button, for information regarding it please open the **New Order Window** section. The third button is the "Data Graph" button, for information regarding it please open the **Data Graph Window** section. Use the red "x" button to close the application.

History Window

Clicking the "History" button opens a new window that displays a table that holds the old orders from the database. It displays the information for the unique, incrementing Order ID, the phone number which is used to distinguish the specific customer, the customer name, the order date, the order price, and the specific contents of the order. There is also a filter section, where you can filter by phone number, a range of dates, or by orders that contain a specific kind of cookie multiple filters can be used at once. Finally, there is a return home button. You can either press that, or close the window, to return to the home screen.

Filter by Phone Number

To filter by phone number, select the box under "Enter a Phone Number (XXXXXXXXXX)" and enter the ten digits of the desired phone number in the formatting specified within the parentheses. While potentially inconvenient, I recommend saving important customer phone numbers into a contacts app if you want to regularly pull them up and struggle to remember.

Filter by Date

The next filter component is two date selectors. To use this filter, you use the first date selector to select the earliest date you want to see orders from. If you only have a day selected in the first box, then the table will filter out all items in the database from before that day. The second box designates the latest date you want to see orders from. Together they dictate a date range with inclusive end values that determines what orders will be shown.

Cookie Type Filter

Finally, by selecting a cookie type from the drop down list, you can make it so that only orders that contain that cookie type will be displayed. Only one can be selected at a time.

New Order Window

This window is for the inputting of new orders into the database. There are three text entry spots on this screen along with a date selector and two checkbox lists to allow the selection of the cookies and mixins that were included in this order. The first text box is an input field for the customer phone number. **Be sure to enter this correctly as it will be the search ID for this specific customer.** It is a ten digit phone number and should be imputed as such: 5555555555. Any incorrect formatting will cause the system to tell you to correct the information provided. From there, you can enter the name of the customer. If this field is left empty then it will be assumed to be blank. However, if a customer already exists for the phone number then the proper name from the database will be used. The first customer name associated with the phone number will always be used. Next, the date selector is used to select the date which the order needs to be ready by, as designated by the business owner or by the customer. Finally, the last text box is to enter the price. Please format this in decimal format, the system will throw an error otherwise and you will need to fix the formatting.
The last thing you will need to do before submitting the order is simply check which cookies and mixins will be included in the order. You can leave the mixins category blank, but at least one cookie must be selected. Then, press the "Submit Order" button to finalize the order. To return to the home screen, press the "Return Home" button or close the window.

Data Graph Window

This window displays the percentage of which each cookie and mixin are ordered as a pie chart. The graph on the left displays the eight cookie types and their associated percentages, and the right is similar for the ten mixin types. To return to the home page, press the "Return Home" button or close the window.