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Flower Shop

Web Application

**TECHNICAL DOCUMENTATION**

**USER GUIDE**

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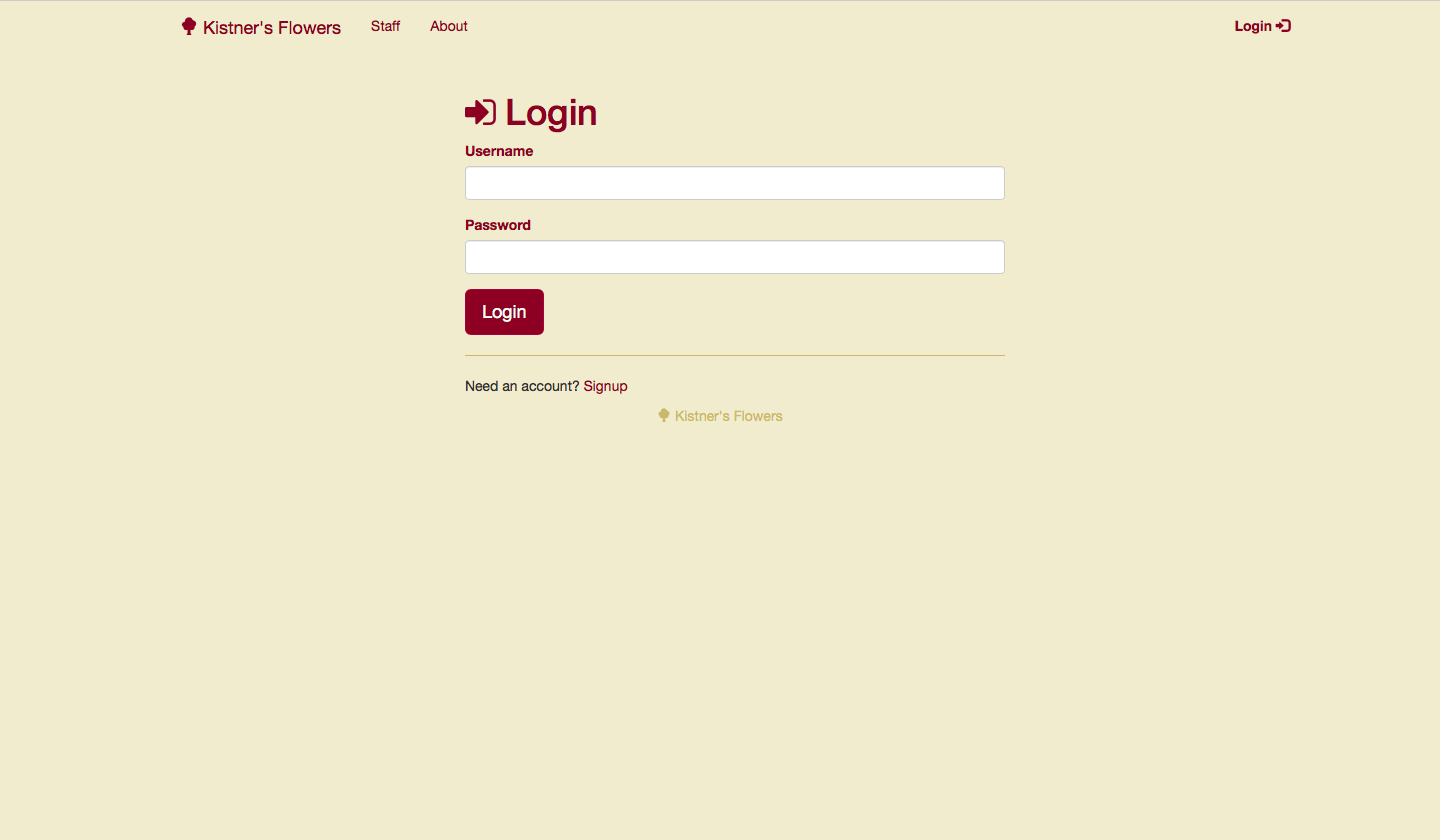
**KANSAS STATE UNIVERSITY**

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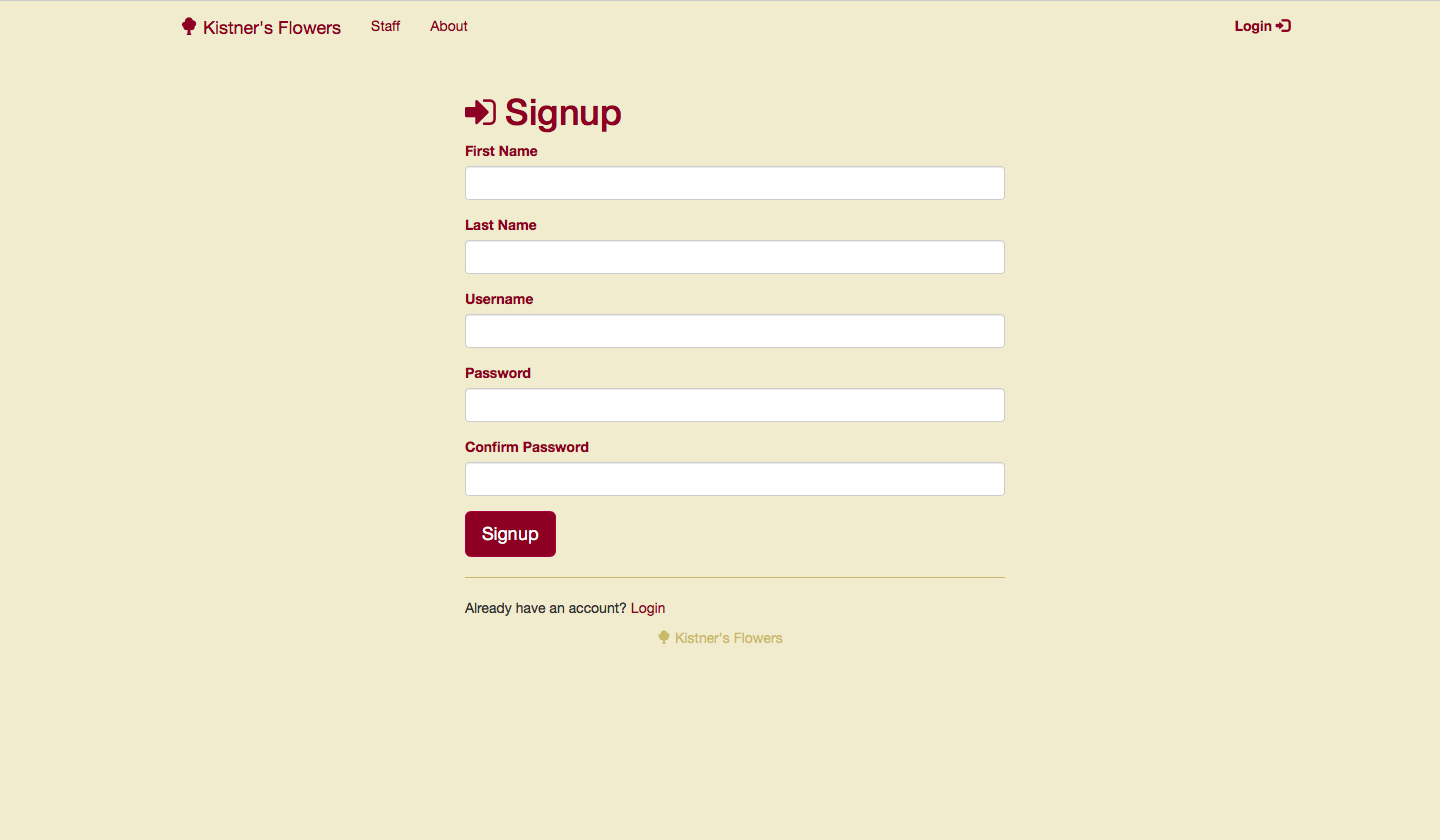
**User Guide**

**User signup and login**

When you first open the page, if you are not automatically directed to the login form, please click the “Login” button in the top right corner. You should then see this:

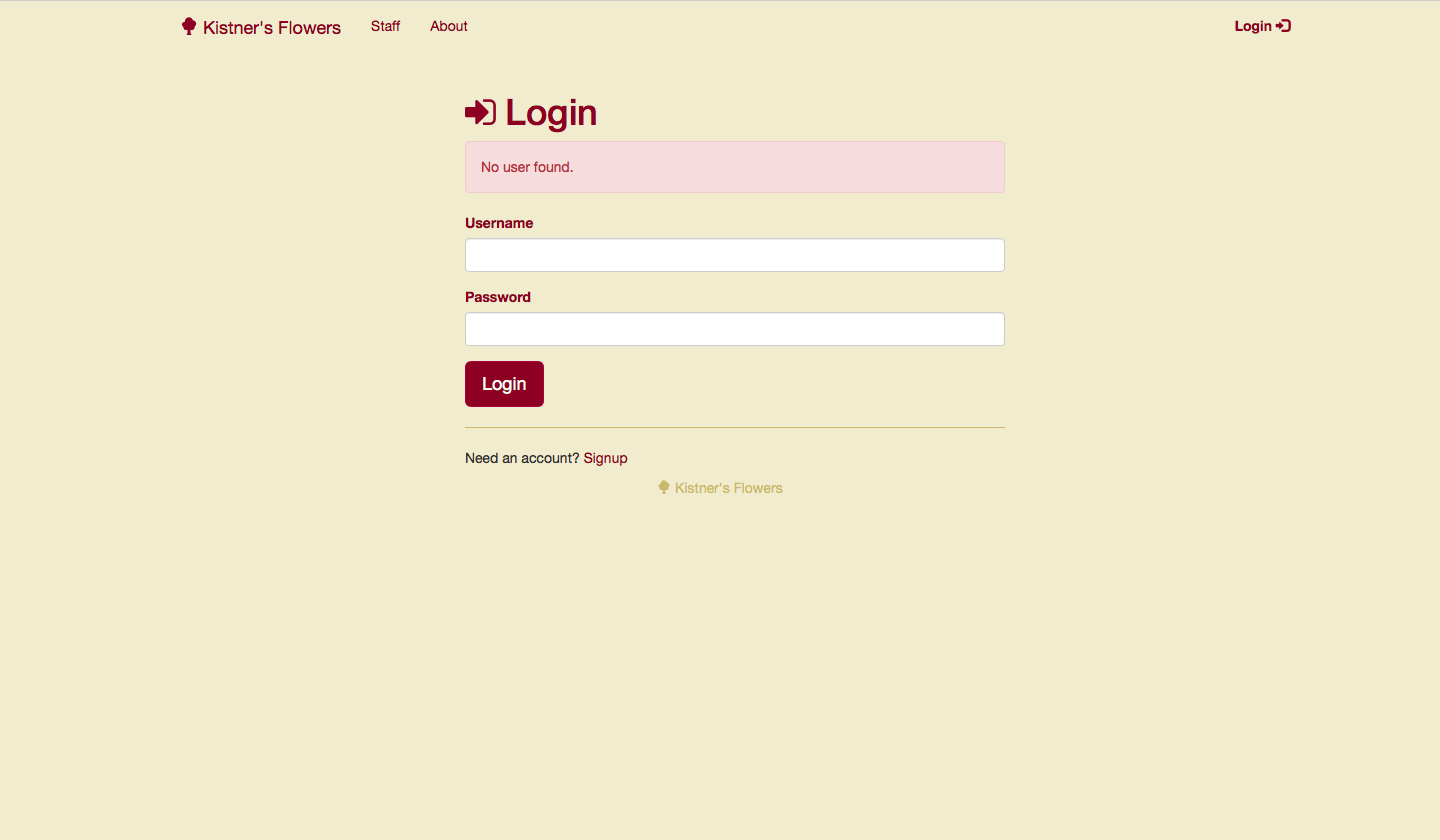


If you need a new account, please click the “Signup” button below the form. You should then see this:



All fields are required. Fill them out and click “Signup” to create your account.

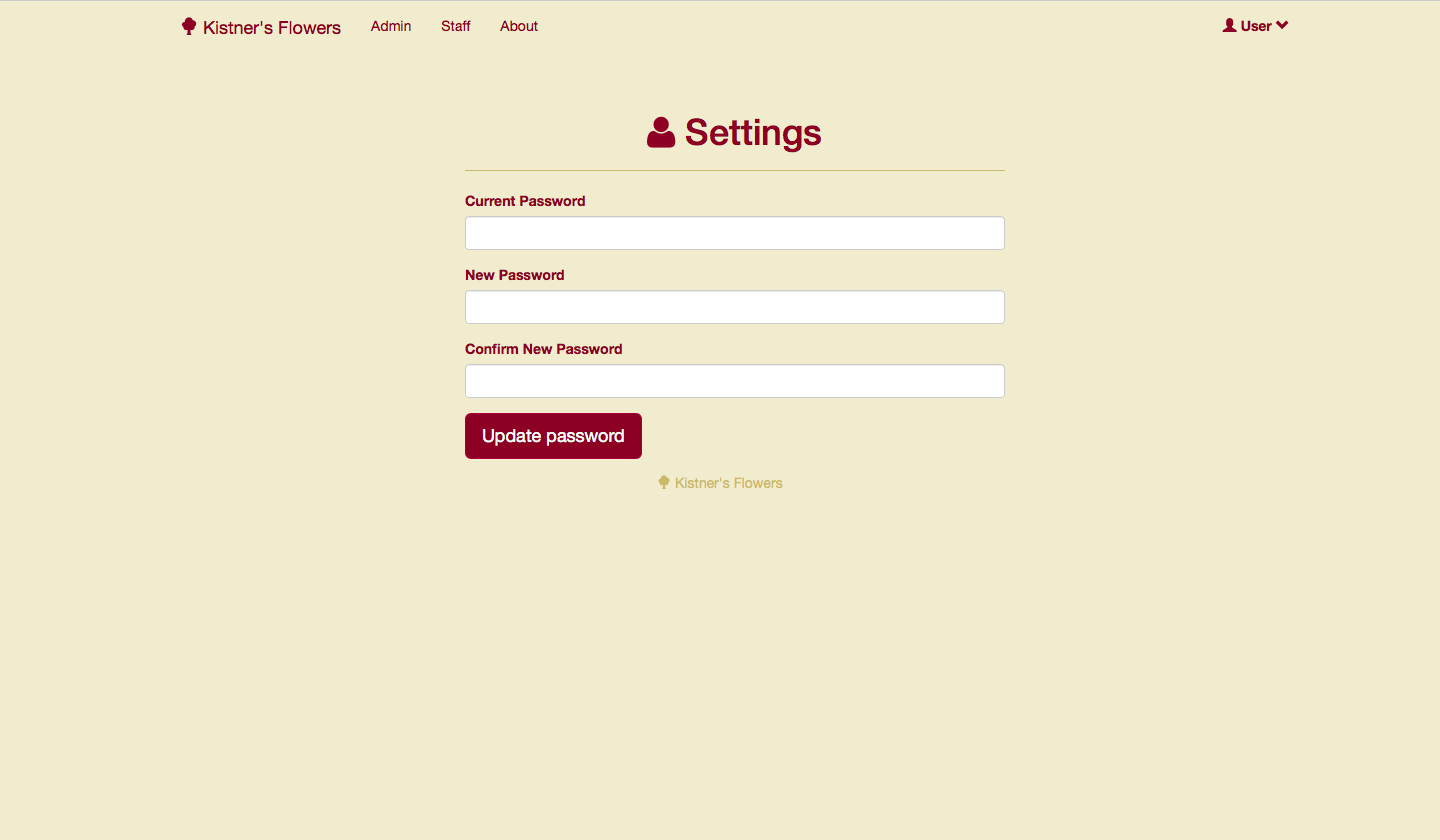
If your account credentials are not recognized, you will see the following error message:



This means your username and/or password were not entered correctly. In this instance, please retry entering your credentials.

**Changing your password**

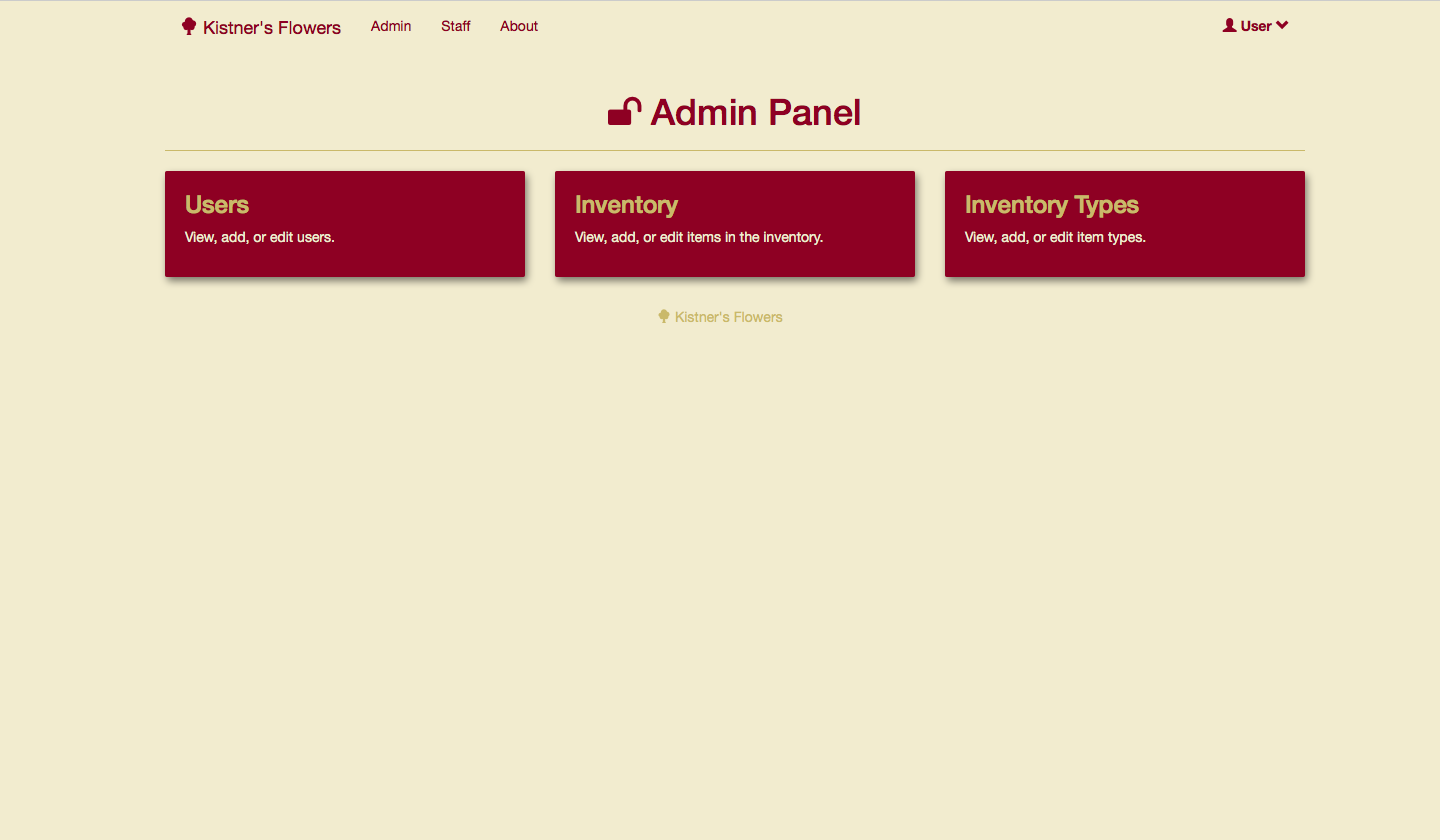
Click your username in the top right corner, and on the dropdown menu that appears, click “Account Settings”. You should then see this:



Enter your current password, and then enter the new password you wish to use. You will have to enter it twice to confirm it. Click “Update Password” to finish the process.

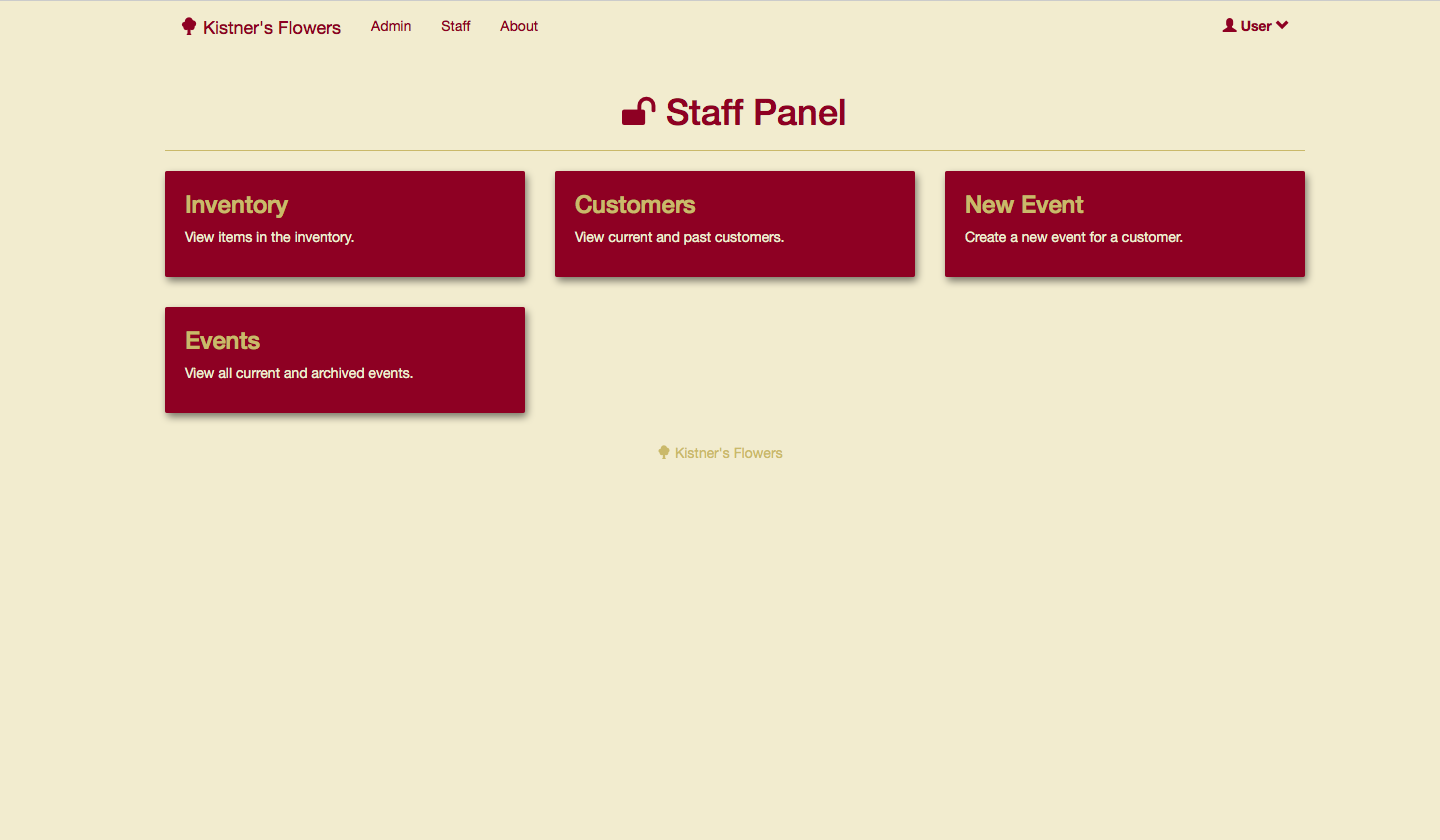
**Administrator page**

The admin user will have access to the following page where they can view and edit users, inventory, and inventory types:



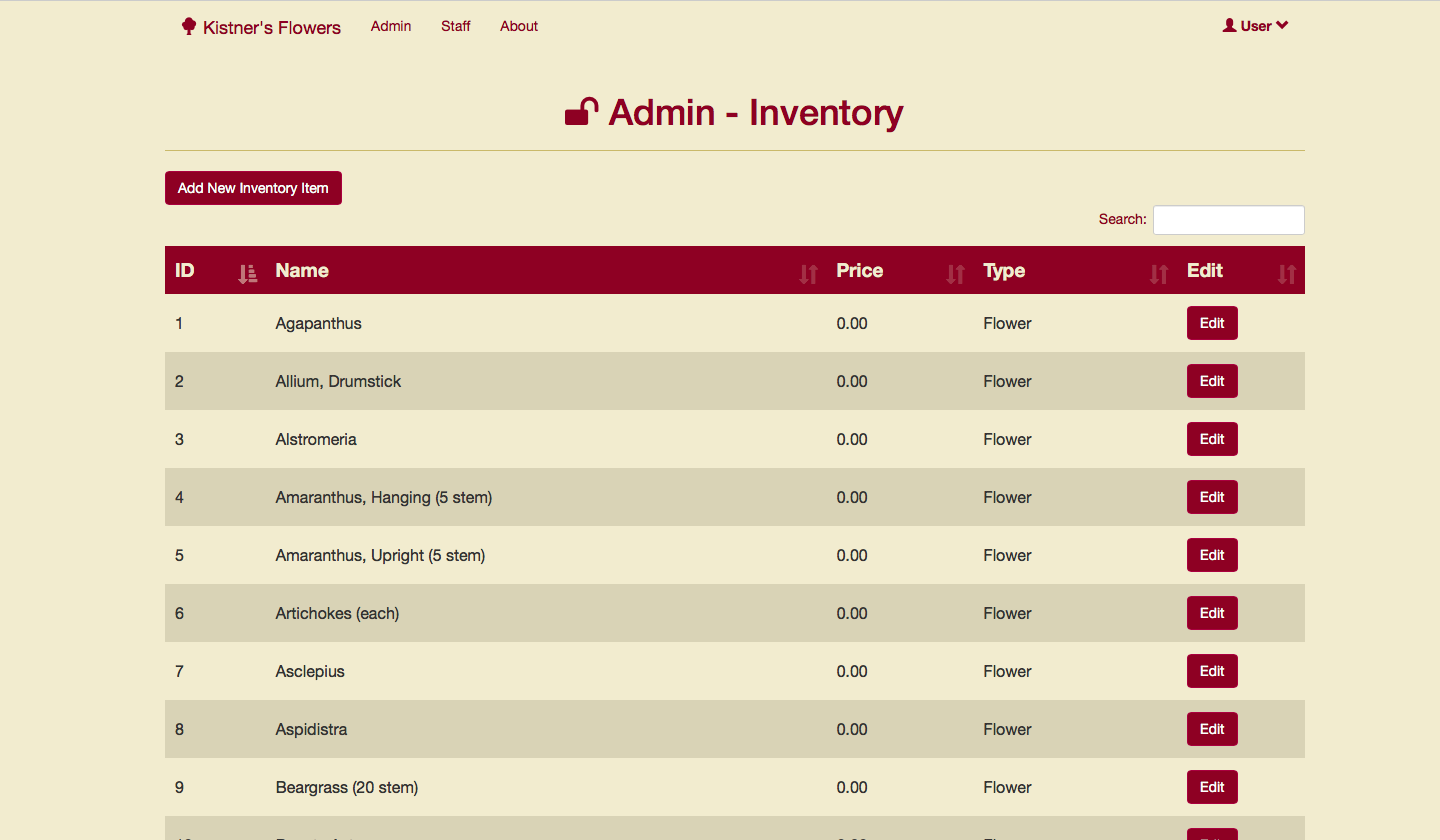
**Staff page**

The staff page allows you to view users and inventory. This is also where you can begin creating a new event or view all previously created.

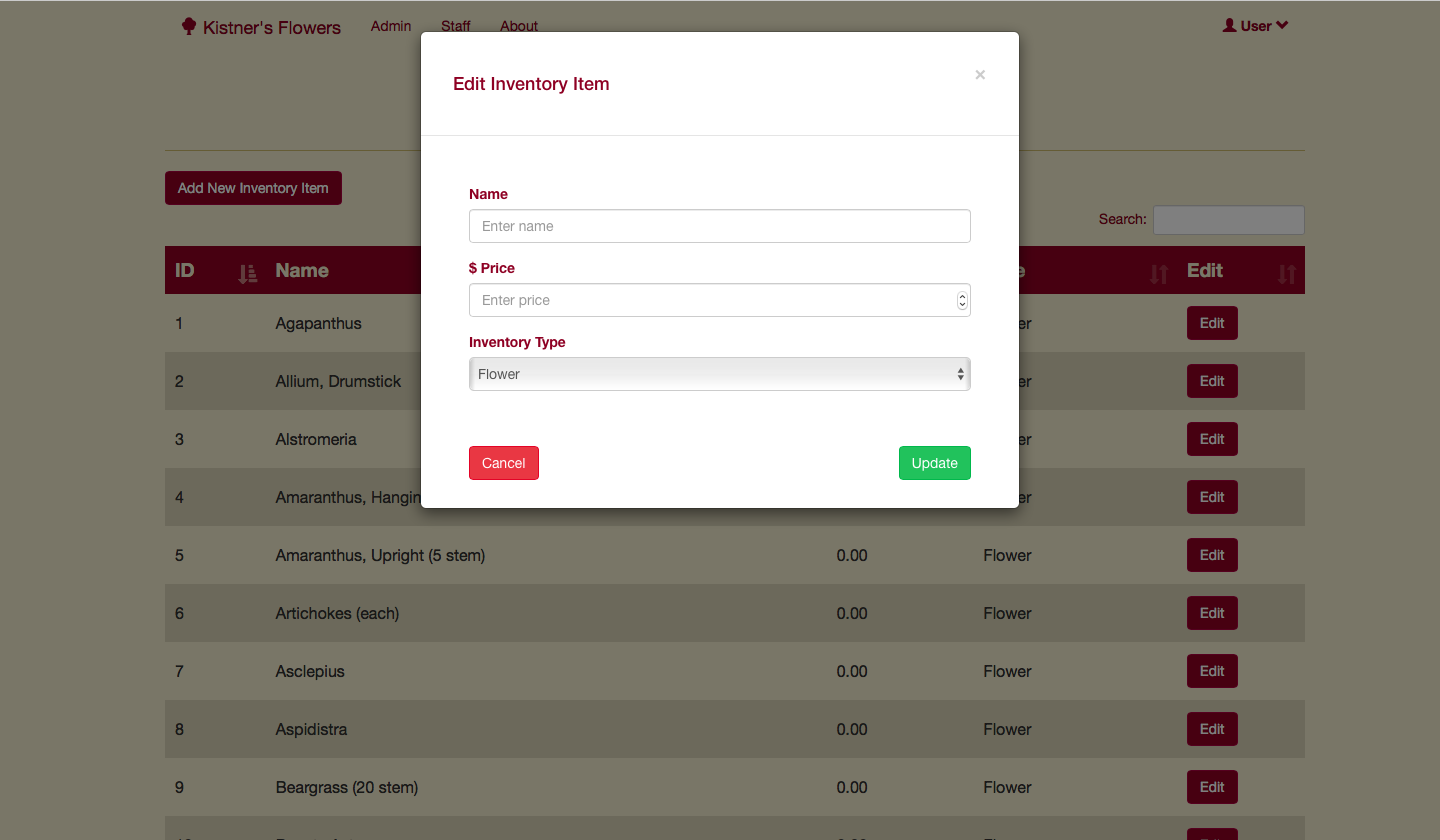


**Editing tables**

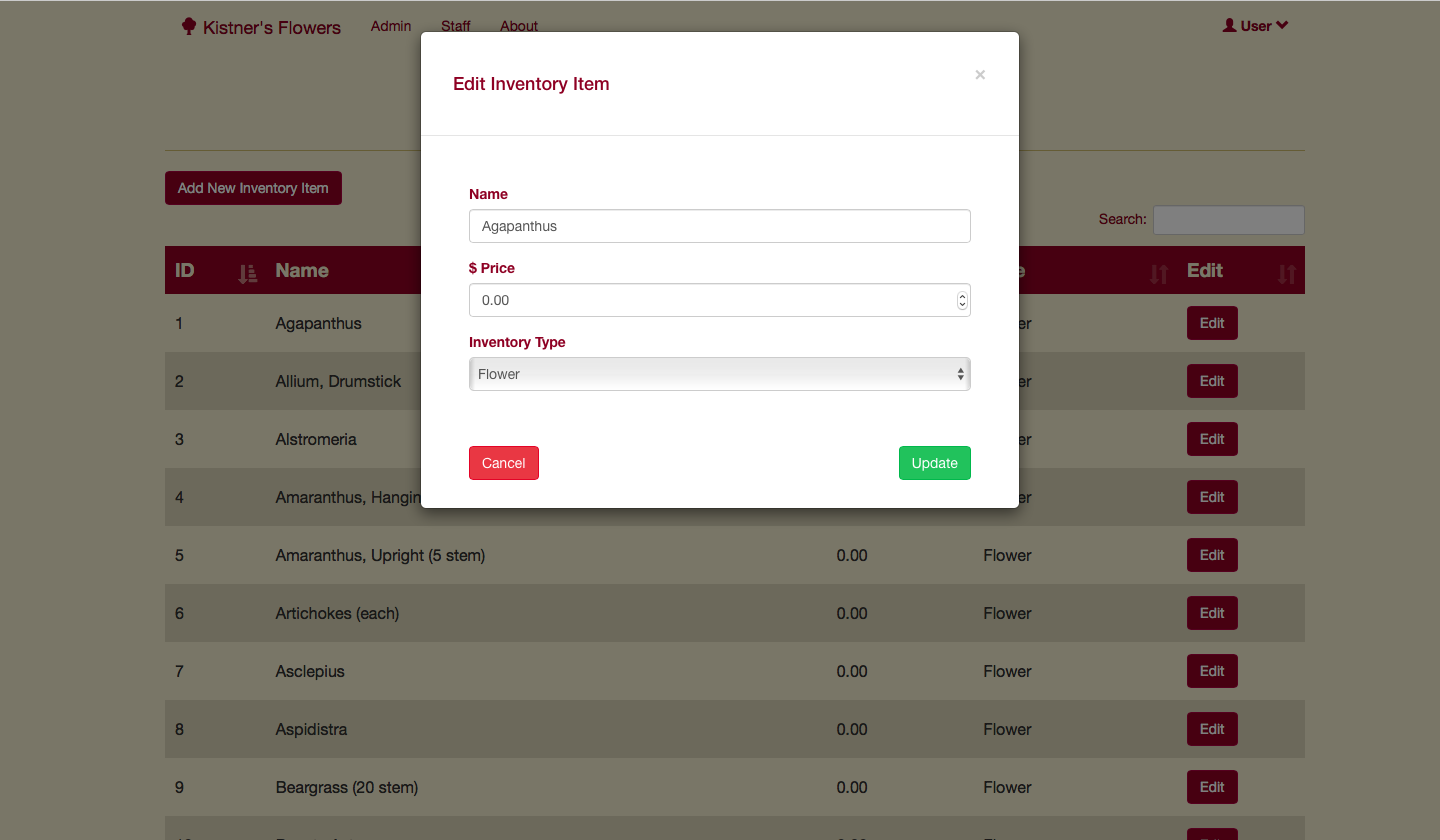
Most of the information in the web app is displayed in a table format. The image below shows the “Inventory” page for example. The other tables follow a similar format. You can click the “Add New” button in the top left to add a new entry into the table. Beside each entry, you can click the “Edit” button to edit and update the information for that item. The search bar provides a quick way to find the item you are looking for.



Here is what you will see when adding a new item:

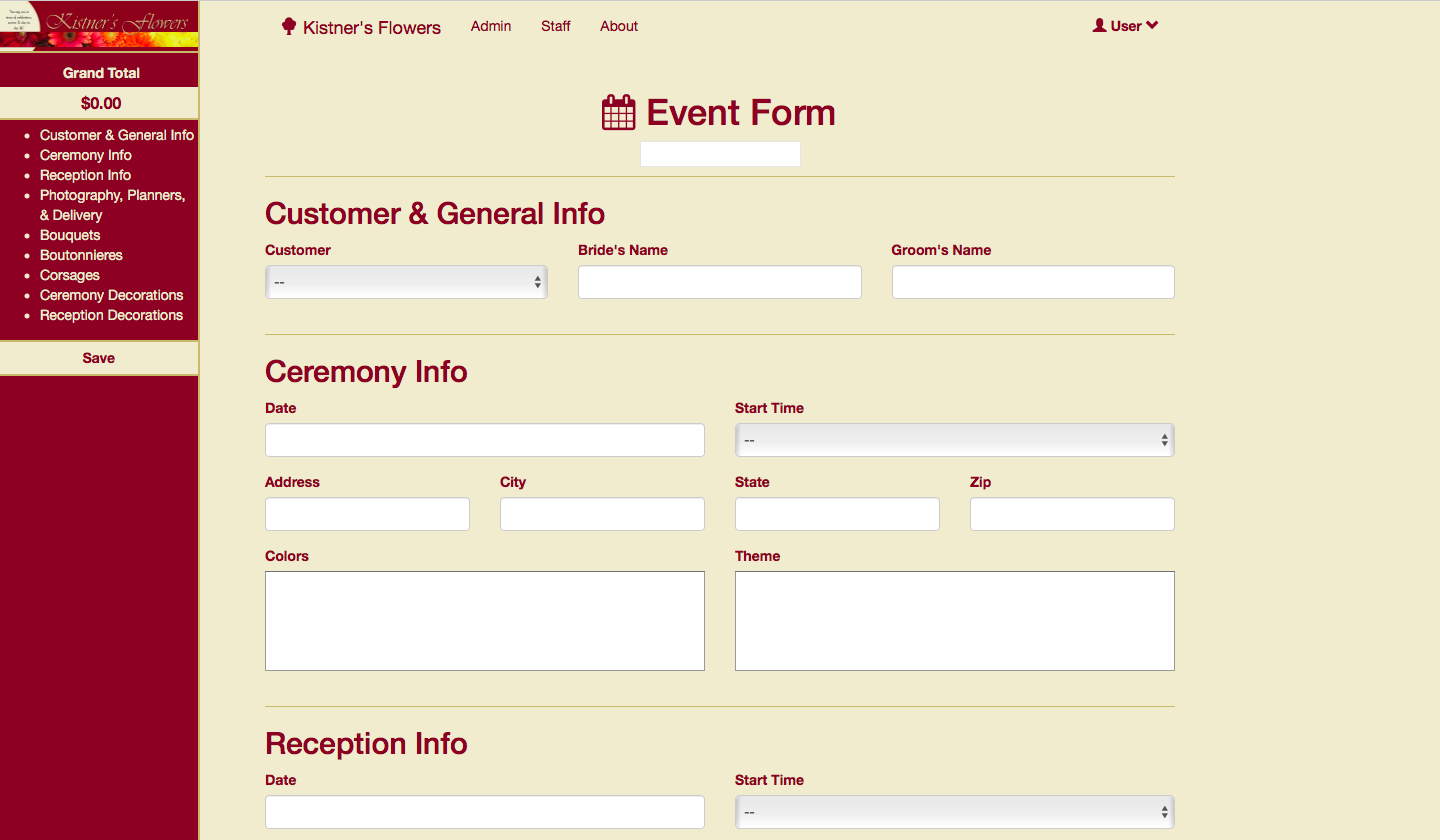


And this is what you see when editing an existing item:

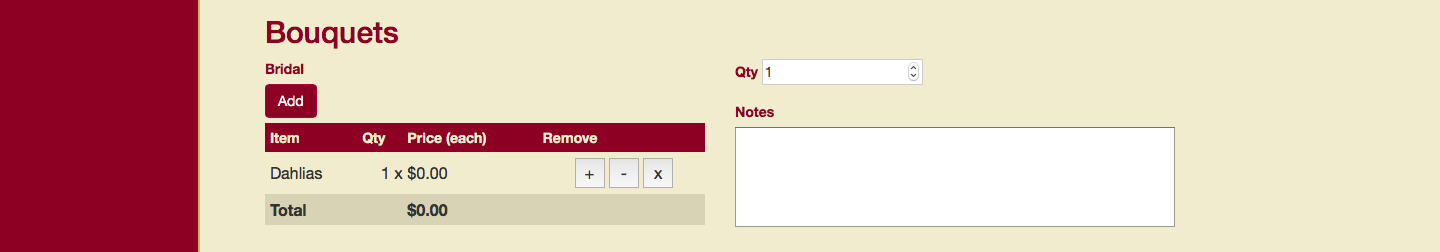


**Creating a new event**

When you click on “New Event”, the event creation form will appear. The sidebar on the left shows the grand total of the order. You can use the quick-links in the sidebar to navigate to different section of the form more quickly. The “Save” button can be pressed at any time to save your progress on the form.



The tables in this form are like the other tables in the web app. Once an item is added, the table’s total and grand total will be updated on the form. The “+” and “-” buttons can be used to increase and decrease the quantity of an item in the table. The “x” button will remove the row entirely. The “Qty” field on the right determines how many of each table will be placed on the order. For example, in the image below, if you need 5 sets of bouquet orders, you can set “Qty” to 5. The grand total price will update accordingly.



**Technical Documentation**

**General information**

This is an intranet application that can be accessed within the business by using a browser on any device. The application is compatible with tablet screens and scales accordingly.

Source code available at: *https://github.com/KSUFlowerApp/FlowerApp*

**Project organization**

The general organization of the project is as follows (organized by folder):

* *bower\_components* contains the jquery folders and files.
* *config* contains passport (login manager) files and database connection configurations.
* *documents* contains any documents meant for users and not related to the program itself.
* *middleware* contains the database connections for admin, customer, events, inventory, and session.
* *node\_modules* contain other frameworks that are dependencies for the web app.
* *partials* contains the .ejs files for the header and footer.
* *public* contains fonts, images, css, and js.
* *routes* create connections between different pages on the web app and the database through queries.
* *SQL* contains .sql files used to create the databases.
* *tests* contain all unit tests.
* *views* are the design documents for the frontend of the web app.

**Frontend**

The frontend is built with the standard HTML, CSS, and JS along with jQuery and EJS. EJS is the templating engine used to create a layout of each page. The header and footer are included in every EJS file, and the basic layout of each page consists of multiple divs which are oftentimes nested to create a user interface that has floating “cards” and tables. The modals are created as divs and hidden until a button is clicked. The modals are used for adding and editing table items.

jQuery is the scripting language used to handle events on the pages. jQuery scripts are located at the bottom of each ejs file and contain button click events that are referenced by UI element ID.

Pages with dropdowns will also have a function at the bottom that populates each dropdown with the necessary items (which are taken from other tables in the database).

The color scheme of all UI elements follows the same color scheme as the logo for the flower shop.

**Backend**

A MySQL database is used to store all information that the web app interacts with (customers, inventory, events, etc.). The NodeJS framework is used to allow for communication and interaction with the database through the JavaScript syntax. Express is also used as a web framework for running the NodeJS application.

Ajax commands are located near the bottom of EJS files. They send serialized forms back to the event handlers which then translate UI elements and values into database queries to update and return information.