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# USER REQUIREMENTS SYSTEM

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7G wines

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20 feb 2023

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## Version control

Version	Date	Changes
0.1	20 feb 2023	Initial document version
0.2	09 june 2023	Final document version

# Agreements with clients:

We must deliver the final version on Sunday, June 11, 2023, which contains:

- Wine management (desktop app)
  - Create
  - Read
  - Update
  - Delete
  - Stored data (Amount, Price, Name, Description, Wine Cellar, Region, Classification, Sort Grape, Enjoyable Temperature, Alcohol%, Bottle Size)
- Accessory management (desktop app)
  - Create
  - Read
  - Update
  - Delete
  - Stored data (Amount, Price, Name, Description, Type)
- Wine Cellar management (desktop app)
  - Create
  - Read
  - Update
  - Delete
  - Stored data (Name, Year Created, Wine Style, Email, Region, Country)
- Users management (desktop app)
  - Create
  - Read
  - Update
  - Delete
  - Stored data (Full name, Username, Password, Salt, Role)
- Order management (desktop app)
  - See orders that have been placed.
  - Mark orders as fulfilled.
  - Show Products (Show products place in the orders)
- Wine Page (Web app)
  - Add to cart.
  - "View more" page.
- Accessory Page (Web app)
  - Add to cart.
  - "View more" page.

- Home Page (Web app)
  - Link to: “Contact us” page
  - Link to: “Wines” page
  - Link to: “About us” page
  - Articles
- Cart Page (Web app)
  - View of all the products in the cart
  - Requires needed data for completing an order
- Register Page (Web app)
  - Requires data for a user to be created (Username, Email, Password, Type of subscription)
  - Link to “Login” page
- Login Page (Web app)
  - Requires needed data for confirmation of an existing account.
  - Sends the user to a “Profile page” after successful entrance.
  - After entering a user is allowed to add products to their cart
- Contact us Page (Web app)
  - User can send a message to “7G wines.”
- “About us” Page (Web app)
  - Use is shown information about the creators of the company and what the company is about.

## Functional Requirements:

The admin can create, delete, update or read data about the wines in their shop and these changes should be visible to the visitors of the website. The same principle is applied when it comes to the implementation of accessories. While using the web application the customer will be able to filter the wines or based on the different properties of the products. They will also be able to contact “7G wines” and learn more about them. The clients will also be able to create orders full of products that they would like to receive and could even have a discount, depending on the subscription their account has.

## MoSCoW

### Must have:

- FR-01: Wine management (desktop app)
- FR-02: Accessory management (desktop app)
- FR-03: User management (desktop app)
- FR-04: Order fulfillment (desktop app)
- FR-05: Wine Cellar management (desktop app)
- FR-06: Creation of orders (web app)

### Should have:

- FR-07: Filter for the wines (web app)
- FR-08: Be able to see details of the wine (web app)
- FR-09: Be able to see details of the accessory (web app)

### Could have:

- FR-10: Discounts based on subscription (web app)
- FR-11: Users having the ability to change their data on the website (web app)

### Won't have:

- "Sneak peek" of what wines might be added in the future.
- "Recommended" page of products that are shown to users when creating an order.
- Mobile application.

## Use cases

<b>UC-01</b>	<b>Creating wines (FR-01)</b>
<b>Actor</b>	<b>Admin</b>
<b>Pre - condition</b>	<b>Actor must be in the desktop application</b>
<b>MSS</b>	<ol style="list-style-type: none"> <li>1. Actor enters the required data for the wine.</li> <li>2. System adds the new wine to a database</li> </ol>
<b>Extension(s)</b>	<p>2a. Actor did not fill the data required to add the wine.</p> <ol style="list-style-type: none"> <li>1. System displays that data is missing.</li> <li>2. Return to MSS 1</li> </ol> <p>2b. Actor mistakenly duplicates data.</p> <ol style="list-style-type: none"> <li>1. System displays that the wine already exists, because the given name is in it.</li> <li>2. Return to MSS 1</li> </ol>

<b>UC-02</b>	<b>Deleting wines (FR-01)</b>
<b>Actor</b>	<b>Admin</b>
<b>Pre- condition</b>	<b>Actor must be in the desktop application</b>
<b>MSS</b>	<ol style="list-style-type: none"> <li>1. Actor selects the wine that they want to delete.</li> <li>2. System deletes the wine from the database</li> </ol>
<b>Extension(s)</b>	<p>1a. Actor did not select a wine to delete.</p> <ol style="list-style-type: none"> <li>1. Show a message that they need to select the wines.</li> <li>2. Return to MSS 1</li> </ol>

<b>UC-03</b>	<b>Updating wine's data (FR-01)</b>
<b>Actor</b>	<b>Admin</b>
<b>Pre - condition</b>	<b>Actor must be in the desktop application</b>
<b>MSS</b>	<ol style="list-style-type: none"> <li>1. Actor selects the wine that they want to update.</li> <li>2. System shows the information about the wine.</li> <li>3. Actor updates the data about the selected item.</li> <li>4. System updates the information about the selected wine.</li> </ol>
<b>Extensions</b>	<p>3a. Actor did not update the data about a wine.</p> <ol style="list-style-type: none"> <li>1. System shows a message saying that the data has not been changed.</li> <li>2. return to MSS 1</li> </ol>

<b>UC-04</b>	<b>Creating Accessory (FR-02)</b>
<b>Actor</b>	<b>Admin</b>
<b>Pre- condition</b>	<b>Actor must be in the desktop application</b>

<b>MSS</b>	<ol style="list-style-type: none"> <li>1. Actor enters the required data for the accessory.</li> <li>2. System adds the new accessory to a database</li> </ol>
<b>Extension(s)</b>	<ol style="list-style-type: none"> <li>1a. Actor did not fill the data required to add the accessory.</li> <li>3. System displays that data is missing.</li> <li>4. Return to MSS 1</li> <li>1b. Actor mistakenly duplicates data.</li> <li>5. System displays that the accessory already exists.</li> <li>6. Return to MSS 1</li> </ol>

<b>UC-05</b>	<b>Deleting Accessory (FR-02)</b>
<b>Actor</b>	<b>Admin</b>
<b>Pre- condition</b>	<b>Actor must be in the desktop application</b>
<b>MSS</b>	<ol style="list-style-type: none"> <li>1. Actor selects the accessory that they want to delete.</li> <li>2. System deletes the accessory from the database</li> </ol>
<b>Extension(s)</b>	<ol style="list-style-type: none"> <li>1a. Actor did not select an accessory to delete.</li> <li>1. Show a message that they need to select the accessory.</li> <li>2. Return to MSS 1</li> </ol>

<b>UC-06</b>	<b>Updating a accessory's data (FR-02)</b>
<b>Actor</b>	<b>Admin</b>
<b>Pre- condition</b>	<b>Actor must be in the desktop application</b>
<b>MSS</b>	<ol style="list-style-type: none"> <li>1. Actor selects the accessory item that they want to update.</li> <li>2. System shows the information about the selected accessory.</li> <li>3. Actor updates the data about the selected item.</li> <li>4. System updates the information about the collection.</li> </ol>
<b>Extensions</b>	<ol style="list-style-type: none"> <li>3a. Actor did not update the data about an accessory.</li> <li>1. System shows a message saying that the data has not been changed.</li> <li>2. return to MSS 1</li> </ol>



<b>UC-07</b>	<b>Creating users (FR-03)</b>
<b>Actor</b>	<b>Admin</b>
<b>Pre - condition</b>	<b>Actor must be in the desktop application</b>
<b>MSS</b>	<ol style="list-style-type: none"> <li><b>3. Actor enters the required data for the user.</b></li> <li><b>4. System adds the new user to a database</b></li> </ol>
<b>Extension(s)</b>	<ol style="list-style-type: none"> <li>2a. Actor did not fill the data required to add the user.               <ol style="list-style-type: none"> <li>5. System displays that data is missing.</li> <li>6. Return to MSS 1</li> </ol> </li> <li>2b. Actor mistakenly duplicates data.               <ol style="list-style-type: none"> <li>3. System displays that the user already exists because the given name is in it.</li> <li>4. Return to MSS 1</li> </ol> </li> </ol>

<b>UC-08</b>	<b>Deleting users (FR-03)</b>
<b>Actor</b>	<b>Admin</b>
<b>Pre- condition</b>	<b>Actor must be in the desktop application</b>
<b>MSS</b>	<ol style="list-style-type: none"> <li><b>3. Actor selects the user that they want to delete.</b></li> <li><b>4. System deletes the user from the database</b></li> </ol>
<b>Extension(s)</b>	<ol style="list-style-type: none"> <li>1a. Actor did not select a user delete.               <ol style="list-style-type: none"> <li>3. Show a message that they need to select the user.</li> <li>4. Return to MSS 1</li> </ol> </li> </ol>

<b>UC-09</b>	<b>Updating user's data (FR-03)</b>
<b>Actor</b>	<b>Admin</b>
<b>Pre - condition</b>	<b>Actor must be in the desktop application</b>
<b>MSS</b>	<ol style="list-style-type: none"> <li><b>5. Actor selects the user that they want to update.</b></li> <li><b>6. System shows the information about the user.</b></li> <li><b>7. Actor updates the data about the selected worker.</b></li> <li><b>8. System updates the information about the selected worker.</b></li> </ol>
<b>Extensions</b>	<ol style="list-style-type: none"> <li>3a. Actor did not update the data about a worker.               <ol style="list-style-type: none"> <li>3. System shows a message saying that the data has not been changed.</li> <li>2. return to MSS 1</li> </ol> </li> </ol>

<b>UC-10</b>	<b>Fulfilling Orders (FR-04)</b>
<b>Actor</b>	<b>Worker</b>
<b>Pre - condition</b>	<b>Actor must be in the desktop application</b>
<b>MSS</b>	<ol style="list-style-type: none"> <li>1. Actor opens the "Order" form.</li> <li>2. System displays the orders.</li> <li>3. Actor double-clicks an order that is shown.</li> <li>4. System shows the products that have been requested in the order</li> <li>5. Actor fulfills the order and changes it's status</li> </ol>
<b>Extension(s)</b>	<p>2a System does not display any orders.</p> <ol style="list-style-type: none"> <li>7. Possible that no orders have been made.</li> <li>8. Return to MSS 1</li> </ol> <p>2b. System does not load the order.</p> <ol style="list-style-type: none"> <li>5. Actor should talk with somebody who can help them out with this technical problem.</li> <li>6. Return to MSS 1</li> </ol> <p>4a. System does not display products from an order.</p> <ol style="list-style-type: none"> <li>1. Actor should talk with somebody who can help them out with this technical problem.</li> <li>2. Return to MSS 1</li> </ol>

<b>UC-11</b>	<b>Creating Wine Cellar (FR-05)</b>
<b>Actor</b>	<b>Admin</b>
<b>Pre- condition</b>	<b>Actor must be in the desktop application</b>
<b>MSS</b>	<ol style="list-style-type: none"> <li>2. Actor enters the required data for the Wine Cellar.</li> <li>4. System adds the new wine cellar to a database</li> </ol>
<b>Extension(s)</b>	<p>1a. Actor did not fill the data required to add the wine cellar.</p> <ol style="list-style-type: none"> <li>9. System displays that data is missing.</li> <li>10. Return to MSS 1</li> </ol> <p>1b. Actor mistakenly duplicates data.</p> <ol style="list-style-type: none"> <li>5. System displays that the wine cellar already exists.</li> <li>6. Return to MSS 1</li> </ol>

<b>UC-12</b>	<b>Deleting Wine Cellar (FR-05)</b>
<b>Actor</b>	<b>Admin</b>
<b>Pre- condition</b>	<b>Actor must be in the desktop application</b>
<b>MSS</b>	<ol style="list-style-type: none"> <li>3. Actor selects the wine cellar that they want to delete.</li> <li>4. System deletes the wine cellar from the database</li> </ol>
<b>Extension(s)</b>	<ol style="list-style-type: none"> <li>1a. Actor did not select a wine cellar to delete.</li> <li>3. Show a message that they need to select the wine cellar.</li> <li>4. Return to MSS 1</li> </ol>

<b>UC-13</b>	<b>Updating a wine cellar's data (FR-05)</b>
<b>Actor</b>	<b>Admin</b>
<b>Pre- condition</b>	<b>Actor must be in the desktop application</b>
<b>MSS</b>	<ol style="list-style-type: none"> <li>5. Actor selects the wine cellar that they want to update.</li> <li>6. System shows the information about the selected wine cellar.</li> <li>7. Actor updates the data about the selected wine cellar.</li> <li>8. System updates the information about the wine cellar.</li> </ol>
<b>Extensions</b>	<ol style="list-style-type: none"> <li>3a. Actor did not update the data about an wine cellar.</li> <li>3. System shows a message saying that the data has not been changed.</li> <li>4. return to MSS 1</li> </ol>

<b>UC-14</b>	<b>Creating an order (FR-06)</b>
<b>Actor</b>	<b>Client</b>
<b>Pre- condition</b>	<b>Actor must be in the web application</b>
<b>MSS</b>	<ol style="list-style-type: none"> <li>1. Actor selects the products that they want to buy.</li> <li>2. System adds product to the order.</li> <li>3. Actor adds the needed information and checkout.</li> <li>4. System finishes the order.</li> </ol>
<b>Extensions</b>	<ol style="list-style-type: none"> <li>1a. Actor did not select any products. <ol style="list-style-type: none"> <li>1. System displays that the cart is empty.</li> <li>2. return to MSS 1</li> </ol> </li> <li>3a. Actor did not add the information needed for the checkout <ol style="list-style-type: none"> <li>1. System requests the data to be added.</li> <li>2. Return to MSS 3</li> </ol> </li> </ol>

<b>UC-15</b>	<b>Filtering wines (FR-07)</b>
<b>Actor</b>	<b>Client</b>
<b>Pre- condition</b>	<b>Actor must be in the web application</b>
<b>MSS</b>	<ol style="list-style-type: none"> <li>1. Actor enters the page for the wines.</li> <li>2. System shows the possible products.</li> <li>3. Actor filters the items by a given characteristic.</li> <li>4. System rearranges the wines, by the given filter</li> </ol>
<b>Extension(s)</b>	<p>3a. Actor did not select given filter.</p> <ol style="list-style-type: none"> <li>1. Actor is seeing the page as it was.</li> <li>2. Return to MSS 3</li> </ol> <p>4a. System does not rearrange the wines.</p> <ol style="list-style-type: none"> <li>1a. Actor should refresh the page.</li> <li>2a. Return to MSS 3</li> </ol> <p>4a. System does not rearrange the wines.</p> <ol style="list-style-type: none"> <li>1b. Actor should refresh use the contact form for a complaint.</li> <li>2b. Return to MSS 3</li> </ol>

<b>UC-16</b>	<b>Be able to see details of the wine (FR-08)</b>
<b>Actor</b>	<b>Customer</b>
<b>Pre- condition</b>	<b>Actor must be in the web application</b>
<b>MSS</b>	<ol style="list-style-type: none"> <li>1. Actor enters the page for the wines.</li> <li>2. System shows the possible products.</li> <li>3. Actor chooses an Item they would like to see the details for.</li> <li>4. System opens another page to show the details</li> </ol>
<b>Extension(s)</b>	<p>3a. Actor did not select an item.</p> <ol style="list-style-type: none"> <li>3. Actor is seeing the page as it was.</li> <li>4. Return to MSS 2</li> </ol> <p>4a. System does not show the details.</p> <ol style="list-style-type: none"> <li>1a. Actor should try write a message on the feedback form.</li> <li>2a. Return to MSS 2</li> </ol>

<b>UC-17</b>	<b>Be able to see details of the Accessory (FR-09)</b>
<b>Actor</b>	<b>Customer</b>
<b>Pre- condition</b>	<b>Actor must be in the web application</b>
<b>MSS</b>	<b>5. Actor enters the page for the accessories.</b> <b>6. System shows the possible products.</b> <b>7. Actor chooses an Item they would like to see the details for.</b> <b>8. System opens another page to show the details</b>
<b>Extension(s)</b>	7a. Actor did not select an item. 5. Actor is seeing the page as it was. 6. Return to MSS 2 8a. System does not show the details. 1a. Actor should try write a message on the feedback form. 2a. Return to MSS 2

<b>UC-18</b>	<b>Applying subscription type (FR-10)</b>
<b>Actor</b>	<b>Client</b>
<b>Pre- condition</b>	<b>Actor must be in the web application</b>
<b>MSS</b>	<b>5. Actor checks out their order.</b> <b>6. System calculates the price of the order.</b> <b>7. Actor is shown the price of the order.</b> <b>8. System checks out the order.</b> <b>9. Actor is shown a “Thanks for your order” message</b>
<b>Extension(s)</b>	6a. System did not calculate the order. 1. Actor should write a message via the “contact us” page 2. Return to MSS 1 9a. Actor is not showing a “Thanks for your order message”. 1. Actor should refresh the cart and see if the order is still there 2. Return to MSS 8

<b>UC-19</b>	<b>Updating Client's data (FR-11)</b>
<b>Actor</b>	<b>Client</b>
<b>Pre - condition</b>	<b>Actor must be logged in the web application</b>
<b>MSS</b>	<ol style="list-style-type: none"> <li>1. System shows some of the data the client is able to edit.</li> <li>2. Actor edits a piece of data.</li> <li>3. System takes the new input.</li> <li>4. <b>Actor saves the changes.</b></li> <li>5. <b>System refreshes the page and shows the new data.</b></li> </ol>
<b>Extensions</b>	<p><b>4a. Actor does not save the changes</b></p> <ol style="list-style-type: none"> <li>1. System does not save the new input</li> <li>2. Return to MSS 1</li> </ol> <p><b>5a. System did not show the new data.</b></p> <ol style="list-style-type: none"> <li>1. Actor should send a message using the "Contact us" form.</li> <li>2. return to MSS 1</li> </ol>

# GUI

The screenshot shows a Windows-style window titled 'Form1'. It has two tabs: 'Crate and read' (selected) and 'Edit and delete'. The 'Crate and read' tab contains a 'Product' section with input fields for Name, Price, Region, Description, Amount, Classification, and Events. Below these fields are three buttons: 'Add product', 'Add Wine', and 'Add Collection'. On the right side, there is a 'ShowBox' containing four buttons: 'Show wines', 'Show products', 'Show collections', and 'Show info'. A large empty rectangular area labeled 'lbItemShow' is located on the left side of the main content area.

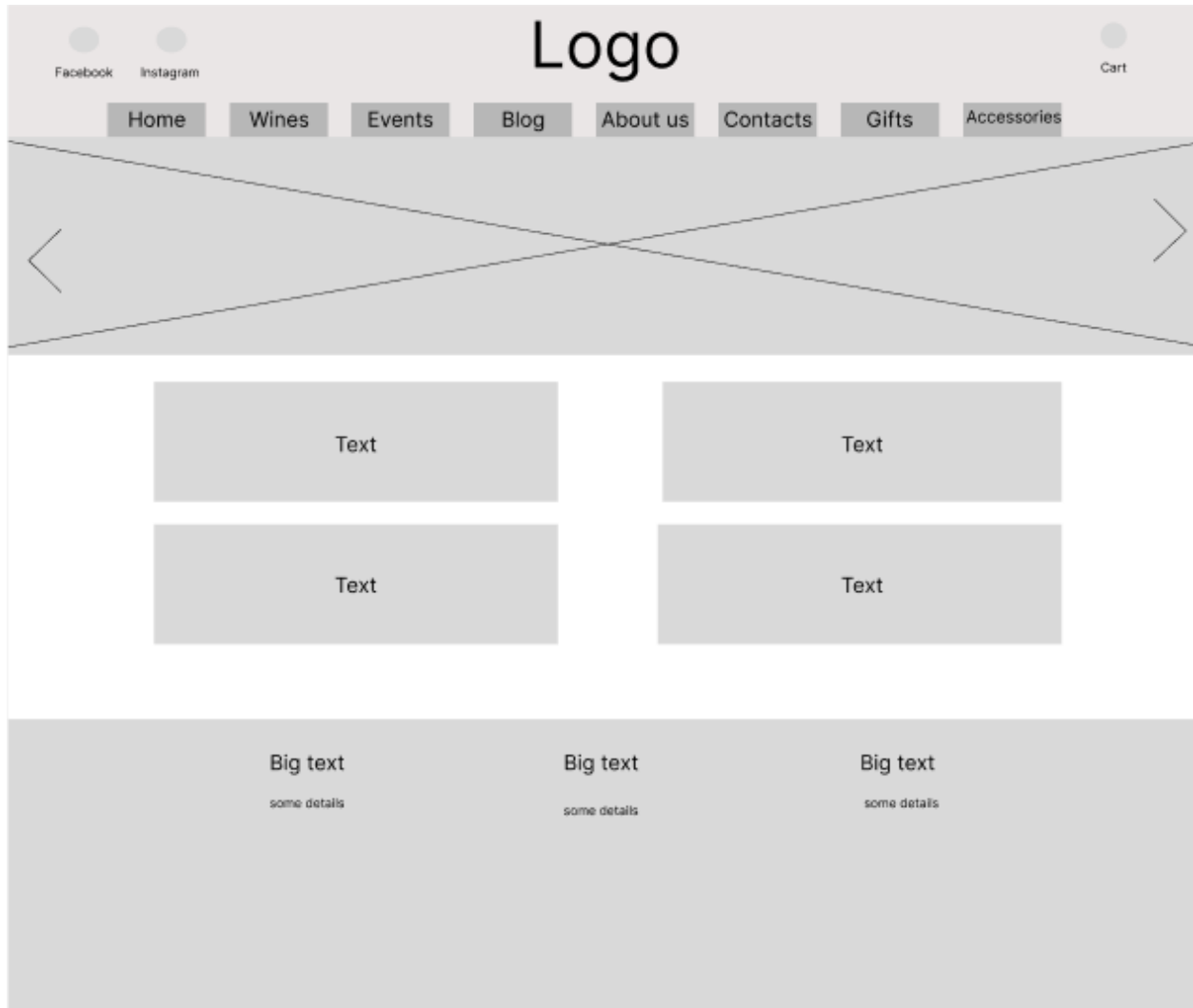
This is the main administration menu and from it the admin will be able to create a simple product, the wines and the collections, while also having the possibility to check previous products and the information about them

The screenshot shows the same 'Form1' window, but with the 'Edit and delete' tab selected. The 'Product' section at the top remains. Below it, there are three large empty rectangular areas labeled 'lbEditProducts', 'lbEditWines', and 'lbEditCollections'. At the bottom of the main content area, there are three buttons: 'Show products', 'Show wines', and 'Show collections'. On the right side, there are two buttons: 'Show info' and 'Edit data'.

When the admin enters this tab they are able to edit the data of a see the items, select whichever one they would like and edit it's data.

# Website wireframe

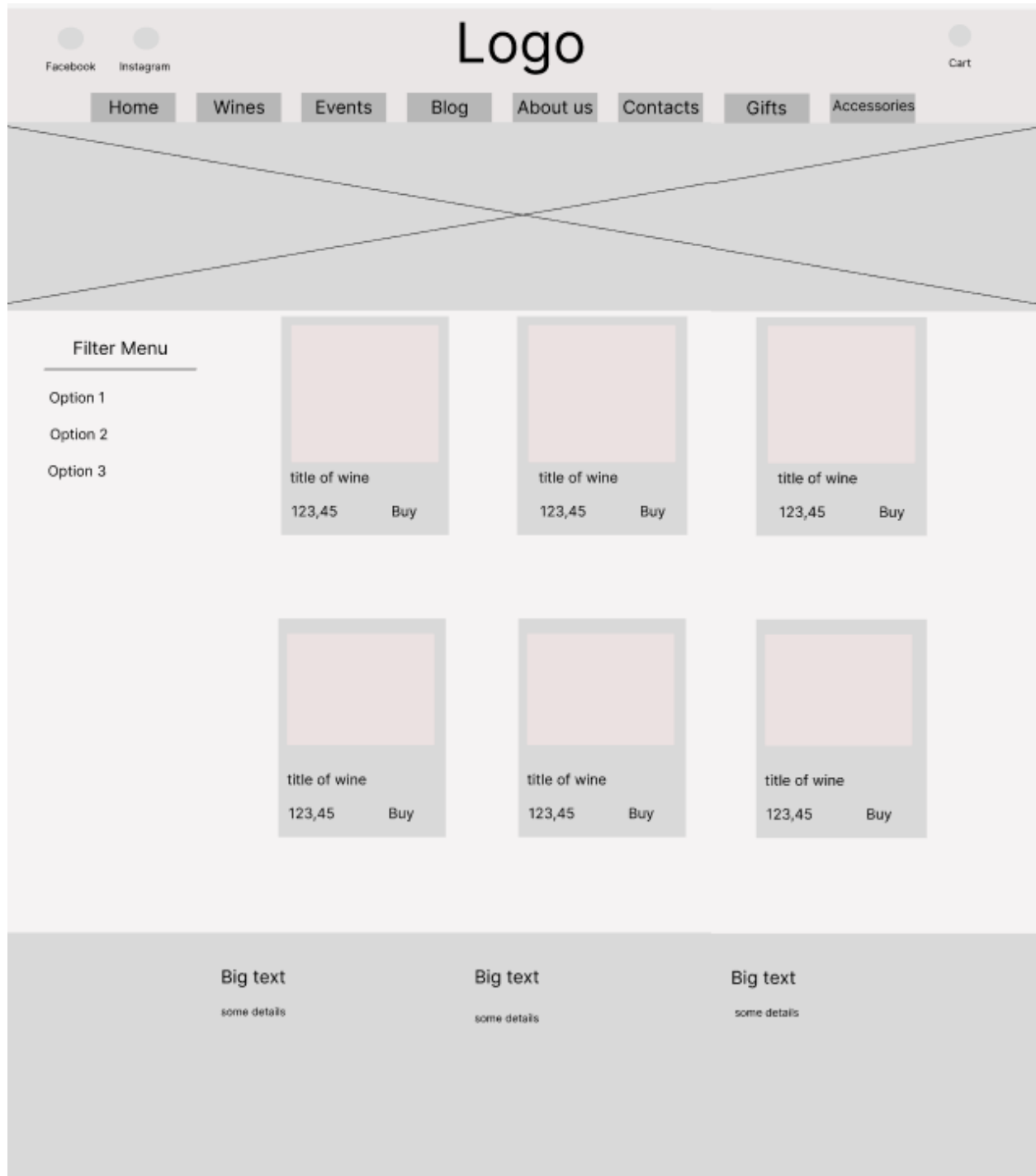
## Homepage



The customers should be greeted by homepage which contains a small number of pictures, text and the logo, that will get them familiar with the shop. There will be a header, which contains a menu, that helps them go to the other pages of the website.

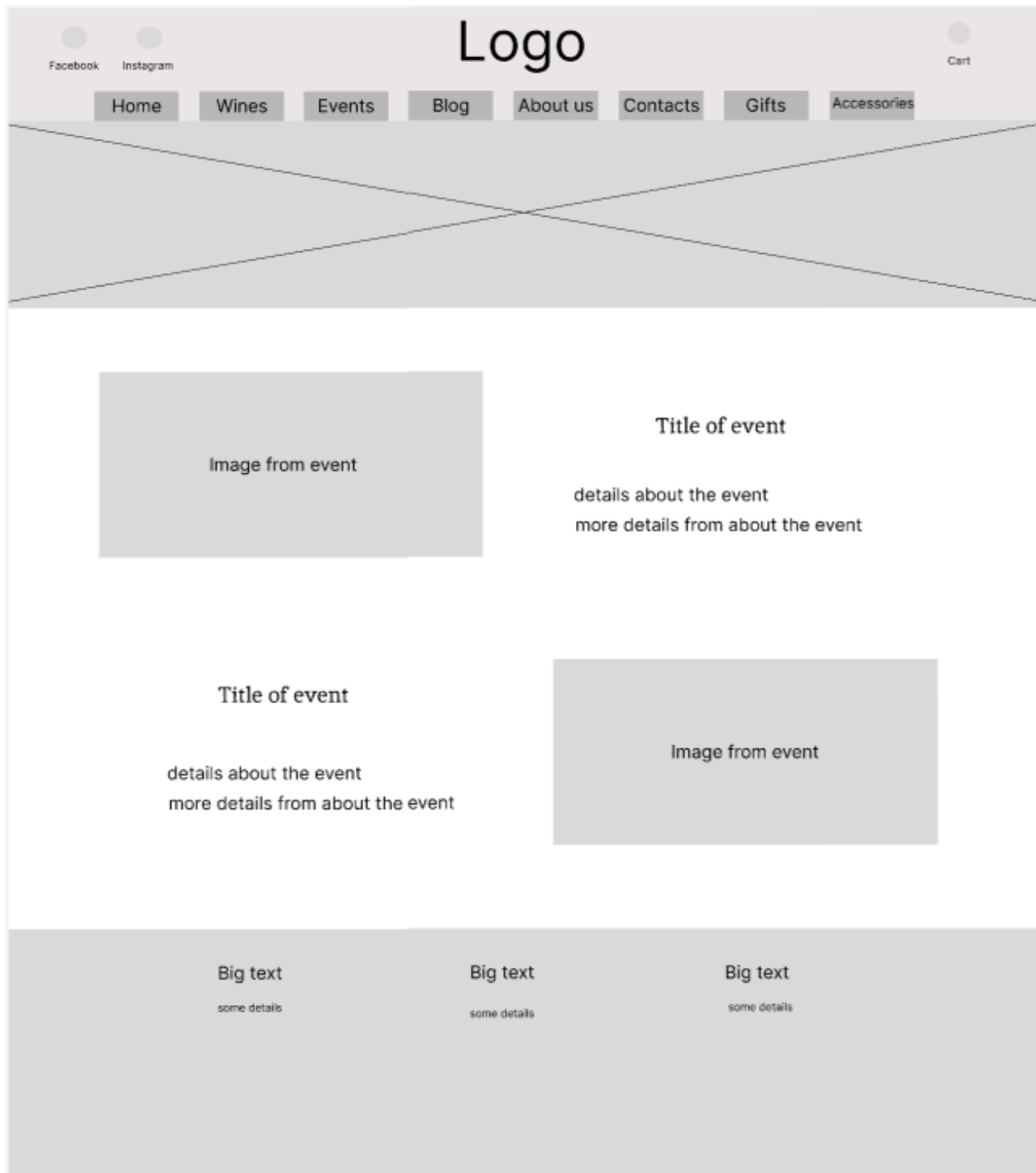


## Wines



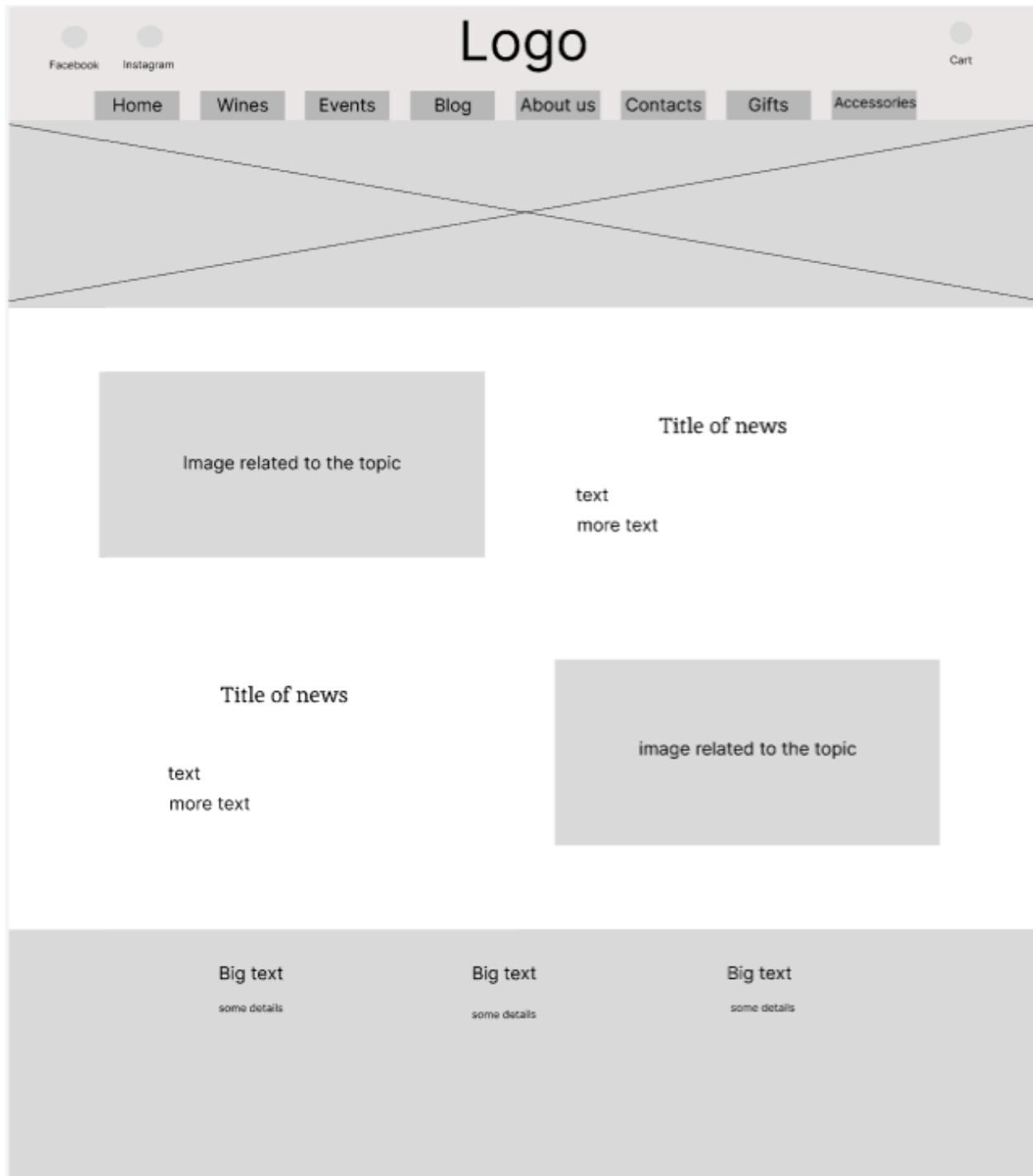
Here the customers can see the different wines that are offered and also the filters that can be used to help them go through the lists of wine

## Events



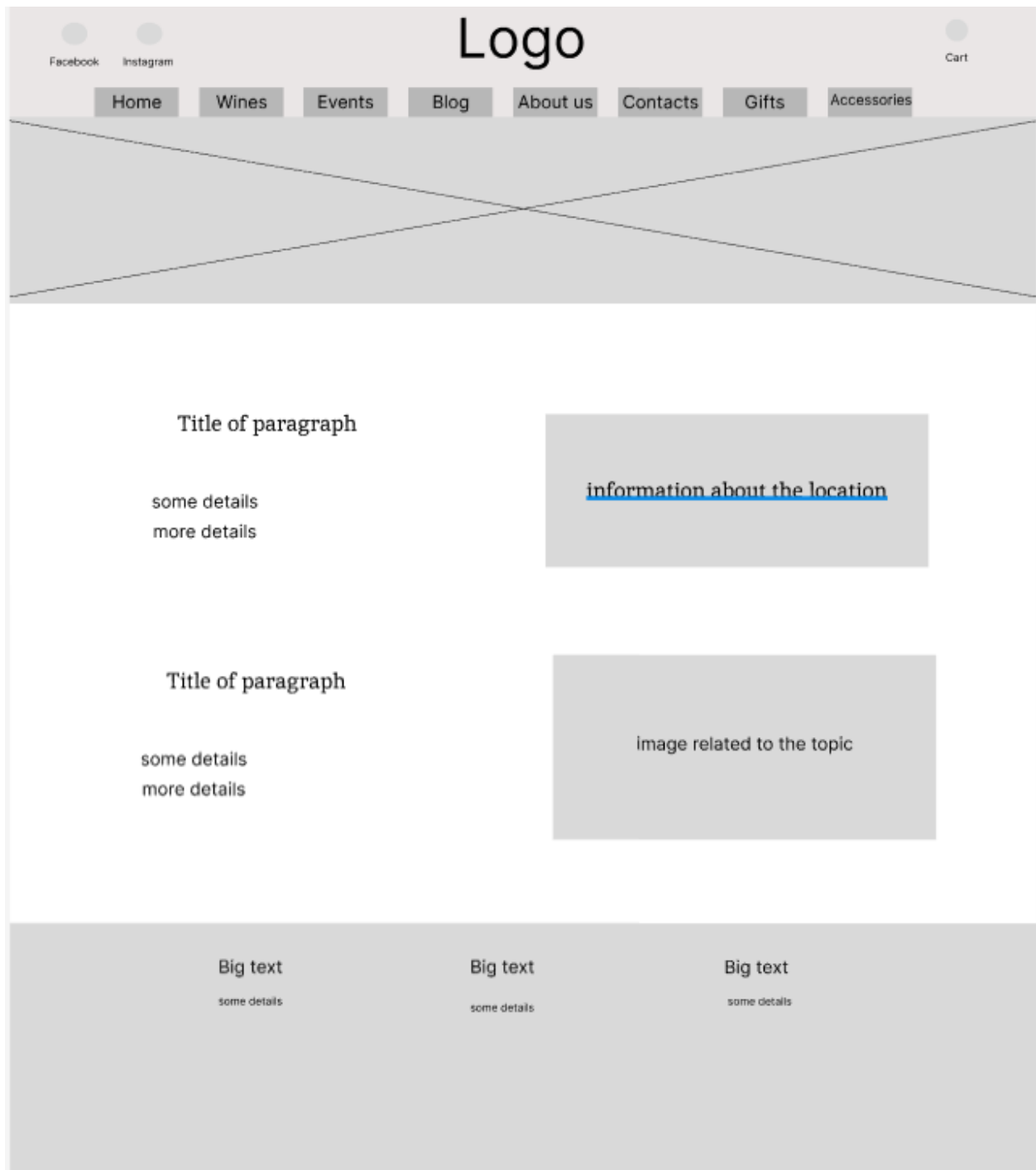
This is where the customers can see information about events which the shop has organized throughout the past.

## Blog



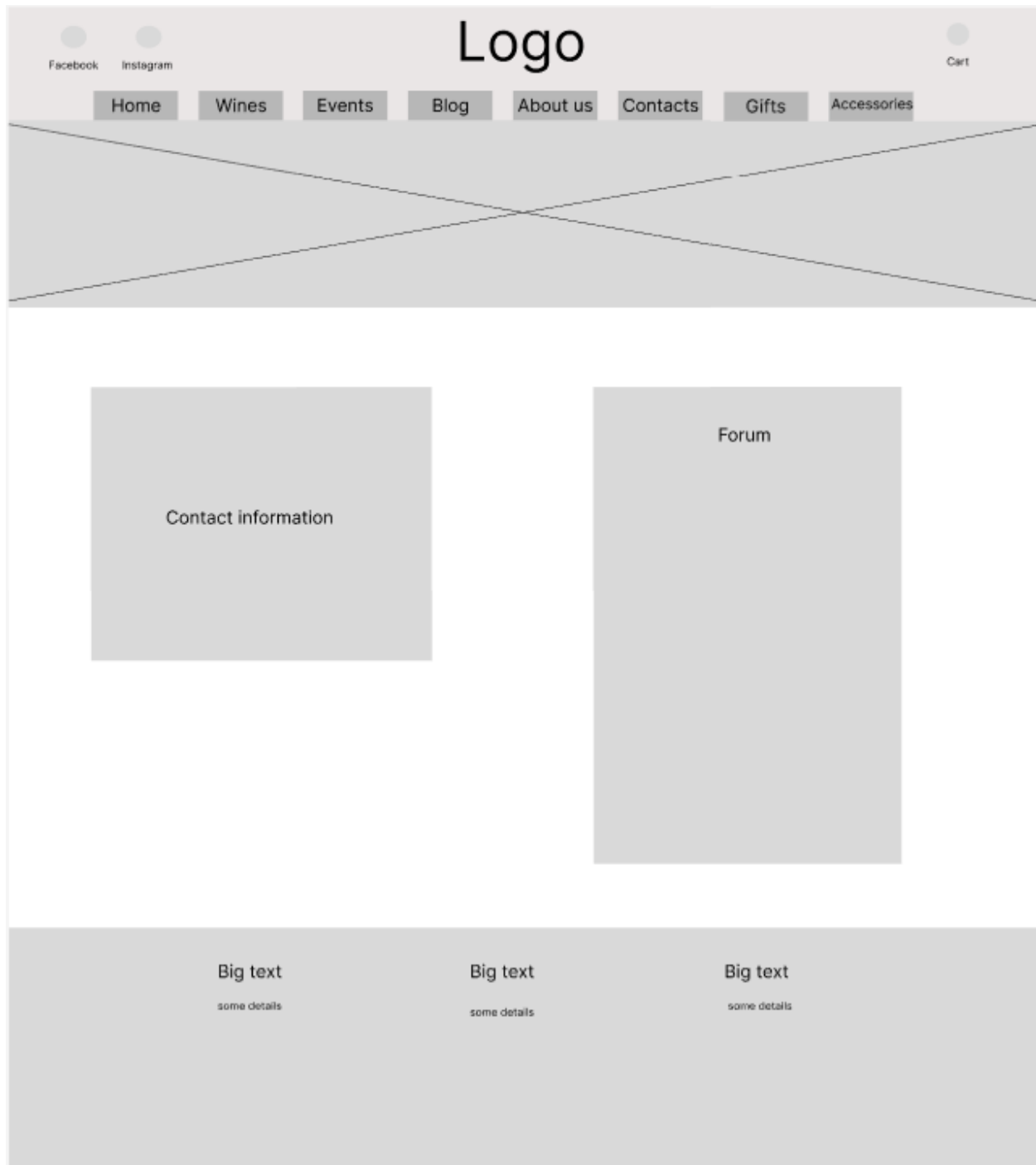
This is a small blog page, where the admin can talk about different topics, surrounding the wines, which might interest the customers more, when it comes to “the wine culture” itself.

## About us



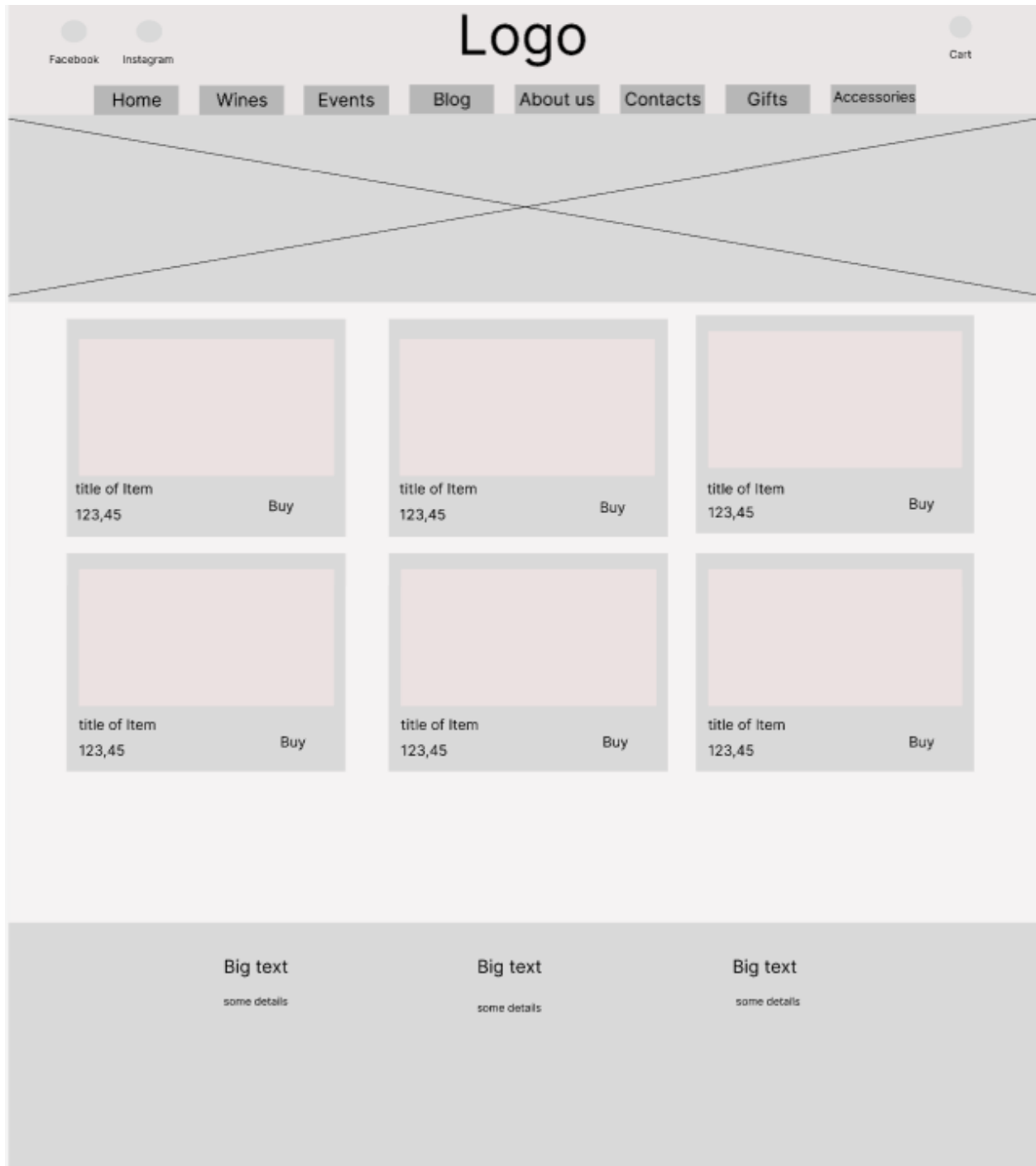
In this page there will be photos which show how the shop looks, where it is, what it is about and how it came to be.

## Contacts



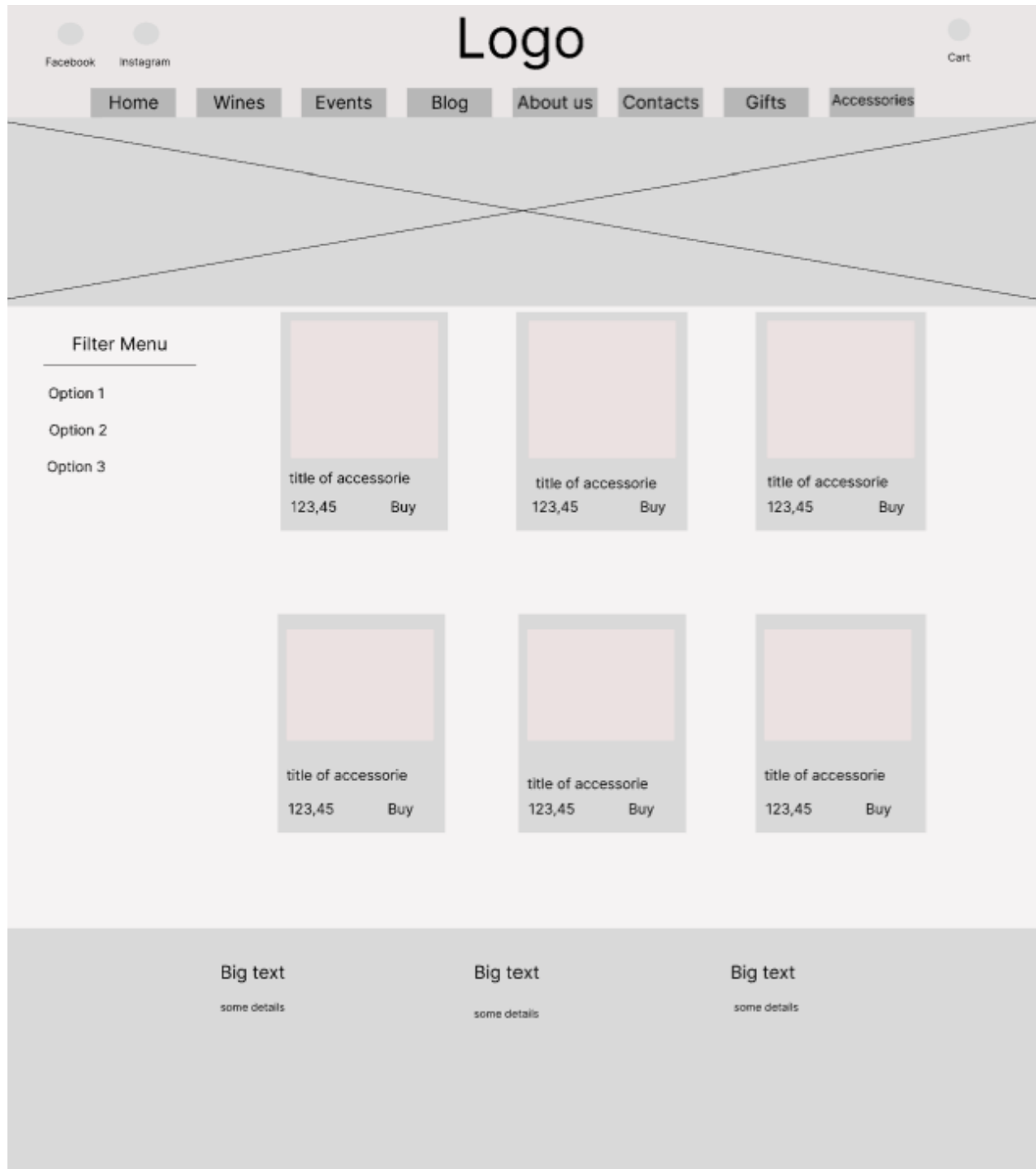
This page will have the information which may be needed to contact the shop and has a feedback forum, where they can send some complains that they have or questions that they want to ask.

## Gifts/Collections



Here the customers can see the different collections that are possible to order and the details about the. The site will also be having a filter.

## Accessories



This is a page for different products/accessories which the customer can filter.