**Functional Requirements**

1. The application shall allow users to create an account.
2. The application shall allow users to log in to the account.
3. The application shall allow users to log out from the account.
4. The application shall allow users to manage their profiles.
5. The application shall allow users to search an artwork from the gallery.
6. The application shall allow users to view the customer reviews for each artwork.
7. The application shall allow users to view the details of an artwork.
8. The application shall allow customers to purchase artworks.
9. The application shall keep track of customer information.
10. The application shall allow artists to sell their artworks.
11. The application shall allow artists to upload the information of their artworks.
12. The application shall allow artists to modify the information of artworks.
13. The application shall keep a record of all artists that have had their works displayed in the gallery.
14. The application shall allow artists to remove their uploaded artworks from the gallery.
15. The application shall store the updated inventory record of all artworks in the gallery.

**Assumptions**

1. The application will be able to keep track of customer orders and process payments.
2. The application will provide secure login and registration for customers.
3. The application will provide customer service, including returns and refunds.
4. The application will be able to promote new artwork and artists according to their preferences.
5. The application will have a way to securely store customer data.
6. Users must use their own password to login to their account.
7. Customers need to select their artist preferences when they are registering an account but customers still can change their artist preferences in the future.
8. Users can be a customer to purchase artworks or an artist to sell their artworks or they can be both.
9. Users must set up their profile after created a new account.
10. Inventory record of the artworks contain information of the title of the artwork, purchase date, selling date, purchase price, selling price.
11. The users will search the artwork they want using title of the artwork.
12. The information of artworks contains the image, height, width, and weight of the artwork.