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Code : STTB

Project Plan

1. **Introduction**

Inventory management is a critical aspect of any business operation, as it directly impacts the overall efficiency and profitability of the organization. Proper inventory management ensures that the right products are in stock, at the right time and at the right quantities. Inaccurate inventory management can lead to stockouts, overstocking, lost sales, and ultimately, decreased profits. This project aims to research and propose an inventory management system for Jumpstart, a retail company that has been experiencing inventory management challenges.

1. **Scope**

The scope of this project includes researching and proposing a new inventory management system for Jumpstart. The proposed system will cover the following areas:

* Inventory tracking and monitoring
* Supplier management
* Sales and purchase order management
* Reporting and analytics
* User training and support
* Data migration from the old system to the new system

1. **Objectives**

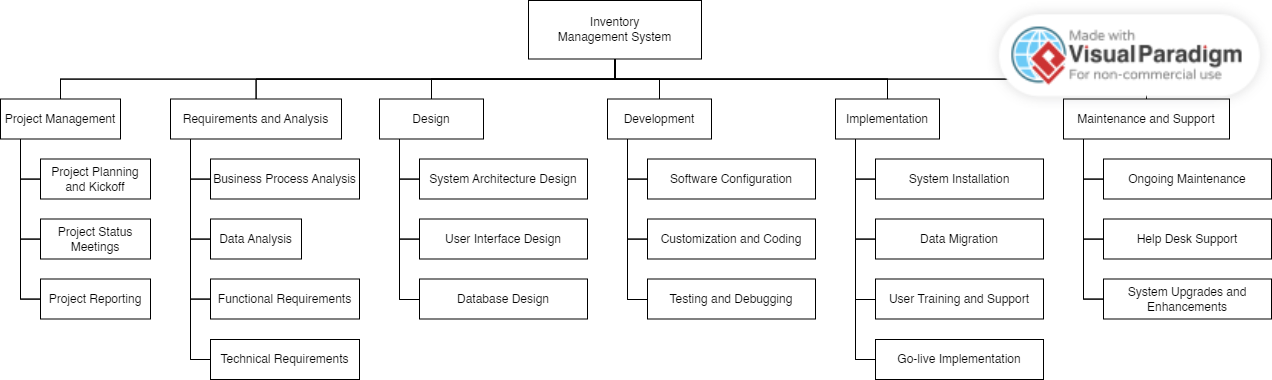
The objectives of this project are as follows:

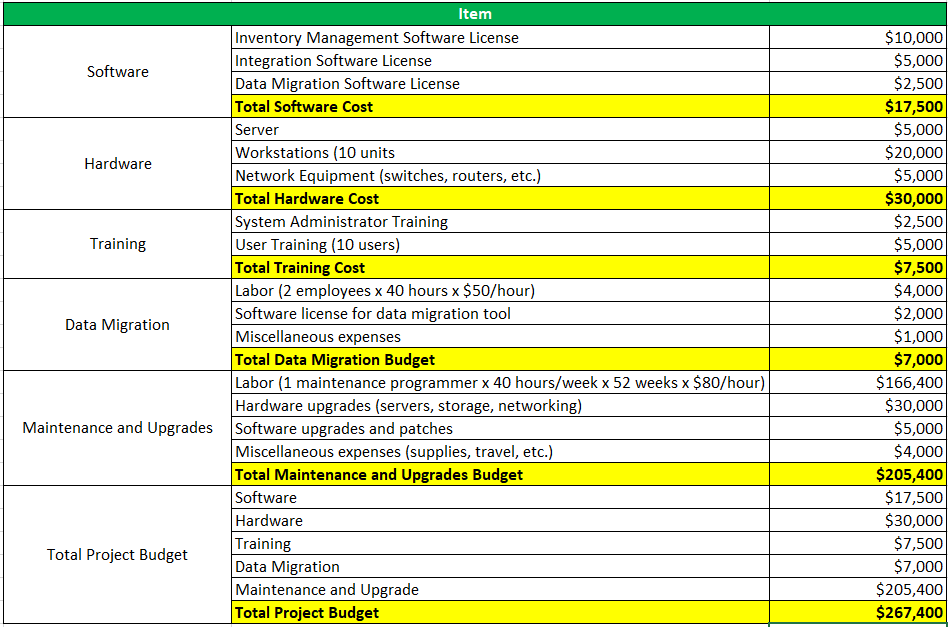
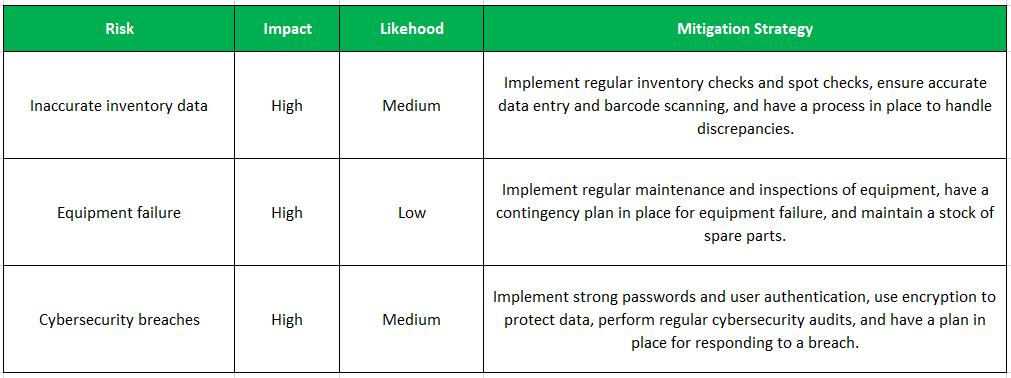
* To improve the accuracy and efficiency of inventory management processes
* To reduce the occurrence of stockouts and overstocking
* To increase sales and profitability by ensuring the right products are in stock at the right time
* To enhance decision-making processes by providing real-time inventory data and analytics
* To improve customer satisfaction by ensuring product availability and timely delivery.

1. **Milestones/WBS/Gant Chart**

The following milestones will be achieved during this project:

|  |  |  |
| --- | --- | --- |
| **Milestone** | **Target Date** | **Deliverable** |
| 1 | 19 February 2023 | Finalize inventory management software requirements |
| 2 | 20 February 2023 | Select inventory management software vendor |
| 3 | 23 February 2023 | Software installation and configuration |
| 4 | 24 February 2023 | Data migration from old system to new system |
| 5 | 25 February 2023 | User training and support |
| 6 | 28 February 2023 | Go-live implementation |



1. **Budget  
   **
2. **Risk  
   **

**Testing Plan**

|  |  |  |
| --- | --- | --- |
| Test Scenario ID | Test Scenario | Number of test cases |
| TS001-Unit testing | Ensure SQLI is prevented | 3 |
| TS002-Cross Browser testing | Ensure website is compatible with multiple browser | 3 |
| TS003-UAT testing | 1. Ensure user navigation is easy | 2 |

**Scenario 1**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Scenario ID** | **Risk No** | **Test Scenario** | **Preconditions** | **Test Step** | **Test Data** | **Expected Results** |
| TS001 | 2 | User Login | User has the URL of the website | 1. Type in URL 2. Click on login 3. Enter fields with test data 4. Click submit | Email=user' or '1' = '1  Password=pass' or '1' = '1 | Login fail |
| TS001 | 2 | User Login | User has the URL of the website | 1. Type in URL 2. Click on login 3. Enter fields with test data 4. Click submit | Email=ali@gmail.com  Password=pass' or '1' = '1 | Login fail |
| TS001 | 2 | User Register | User has the URL of the website | 1. Type in URL 2. Click on login 3. Enter fields with test data 4. Click submit | Email=ali@gmail.com  Password=Robert'); DROP TABLE Students; -- | Table not dropped |

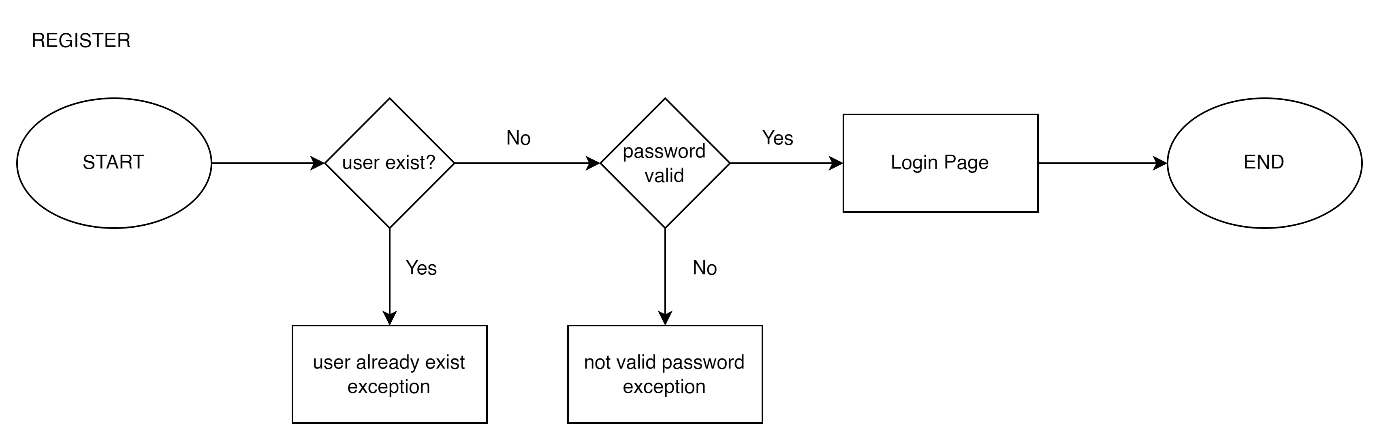
**Scenario 2**

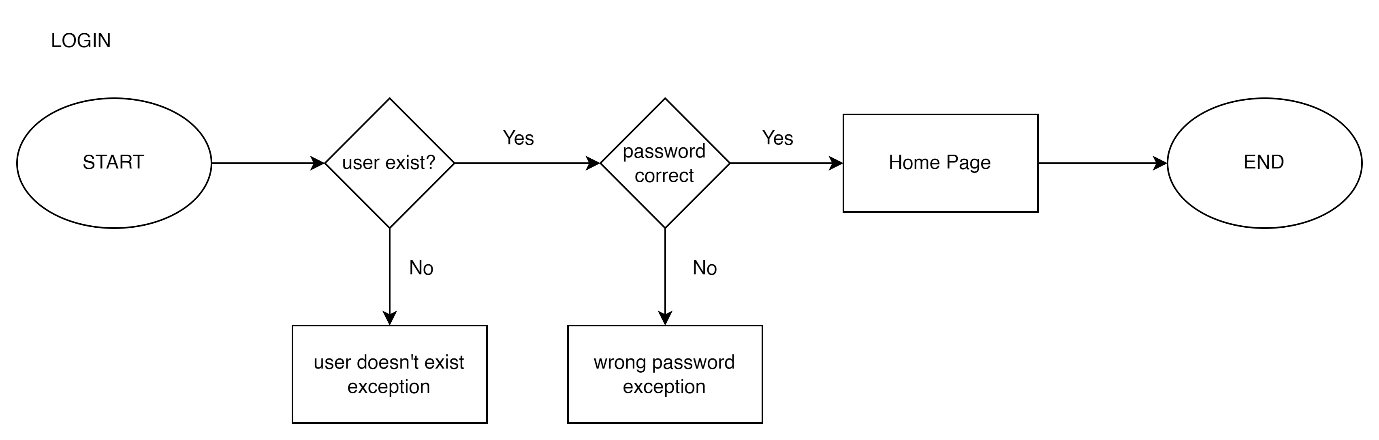
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Scenario ID** | **Risk No** | **Test Scenario** | **Preconditions** | **Test Step** | **Test Data** | **Expected Results** |
| TS002 | 3 | User direct to dashboard page | Google Chrome is downloaded | 1. Enter website URL 2. Click on register 3. Register as new user 4. Login with newly registered user 5. View dashboard 6. Logout | Email=user@gmail.com  Password=abc123 | Webpages appears as expected and functionality work as expected |
| TS002 | 3 | Member view daily meal | Firefox is downloaded | 1. Enter website URL 2. Click on register 3. Register as new user 4. Login with newly registered user 5. View dashboard 6. Logout | Email=user@gmail.com  Password=abc123 | Webpages appears as expected and functionality work as expected |
| TS002 | 3 | Member view daily meal | Edge is downloaded | 1. Enter website URL 2. Click on register 3. Register as new user 4. Login with newly registered user 5. View dashboard 6. Logout | Email=user@gmail.com  Password=abc123 | Webpages appears as expected and functionality work as expected |

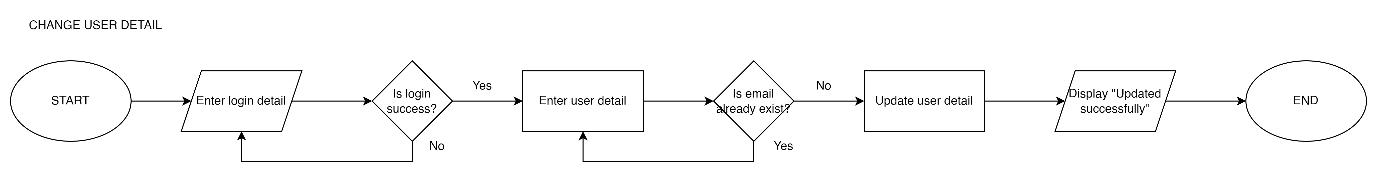
**Scenario 3**

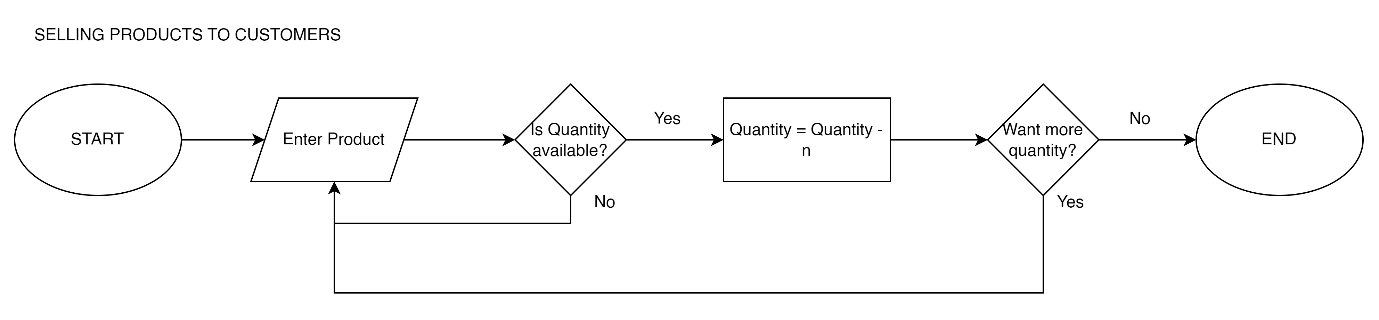
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Scenario ID** | **Risk No** | **Test Scenario** | **Preconditions** | **Test Step** | **Test Data** | **Expected Results** |
| TS003 | 5 | Test Case 1 | Users logged in | 1. Navigate to view dashboard page 2. Navigate to view suppliers page 3. Navigate to products page 4. Navigate to customers page 5. Navigate to current stocks page |  | User can navigate to target page easily |
| TS003 | 5 | Test Case 2 | Admin logged in | 1. Navigate to view dashboard page 2. Navigate to view suppliers page 3. Navigate to products page 4. Navigate to customers page 5. Navigate to current stocks page 6. Navigate to sales report page 7. Navigate to manage users page |  | Admin can navigate to target page easily |

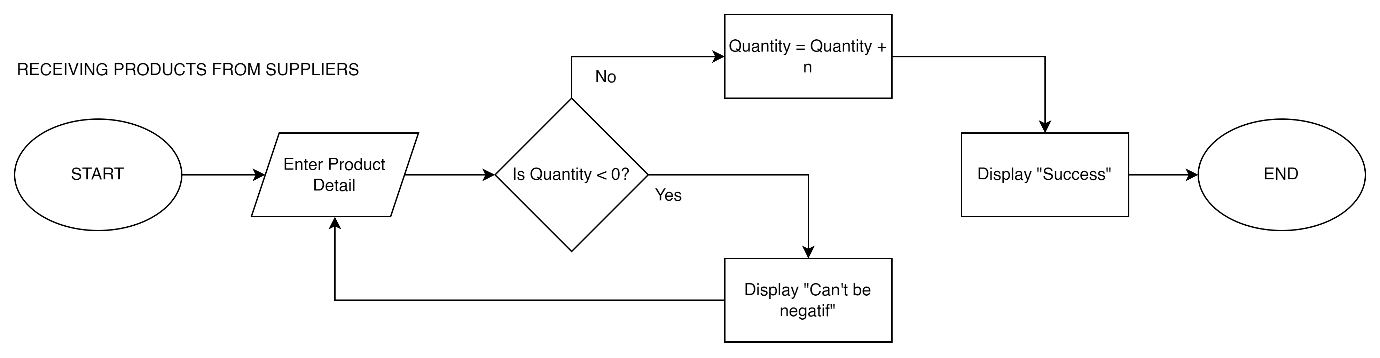
**Flowchart**

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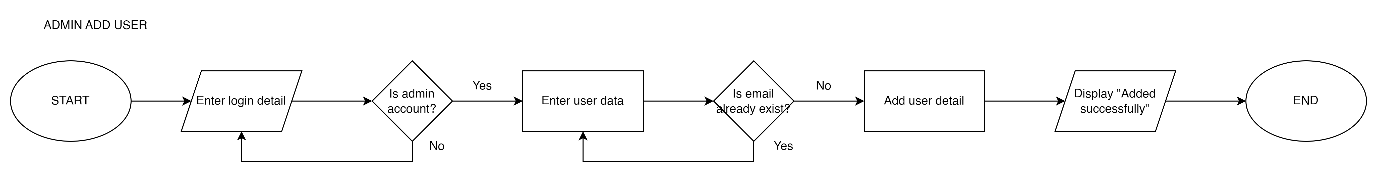
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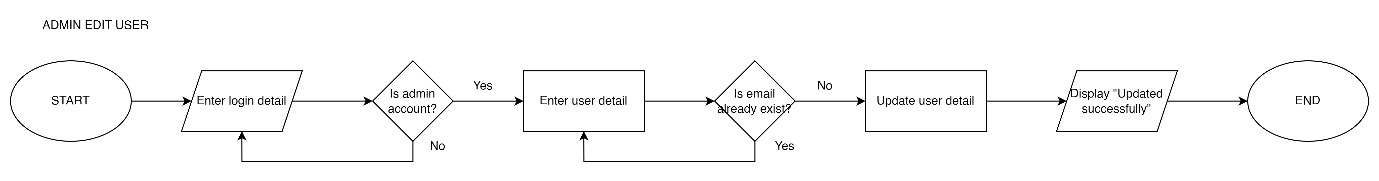
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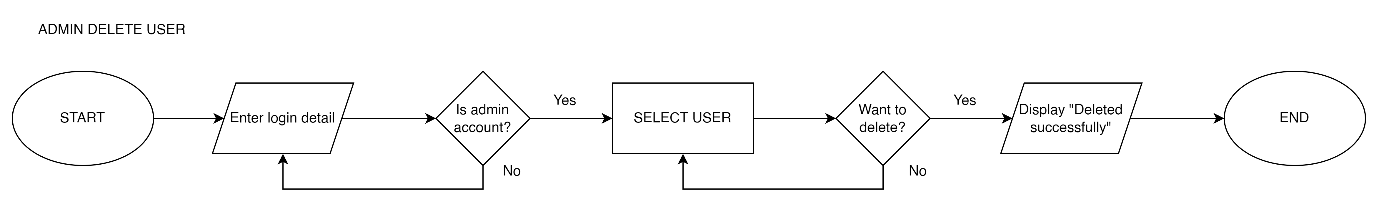
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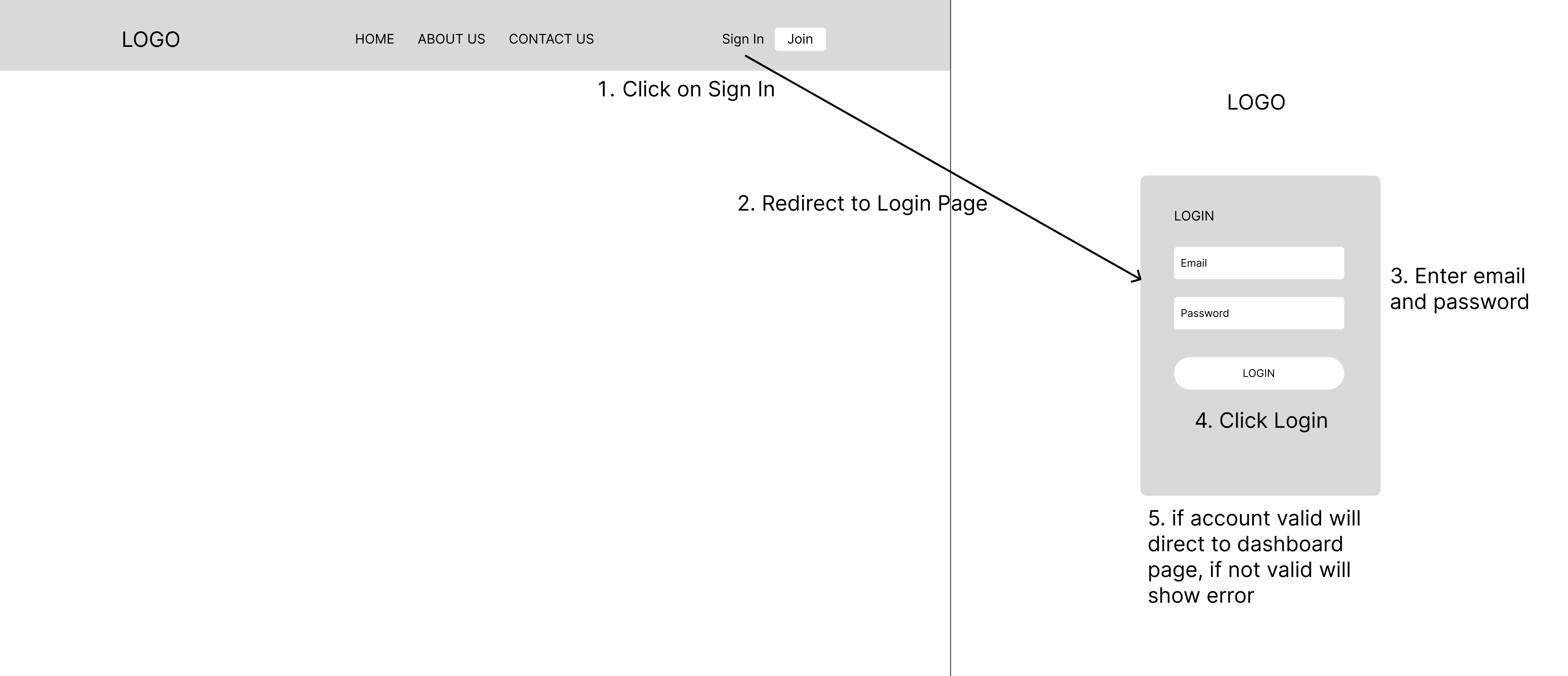
**Admin Flowchart**

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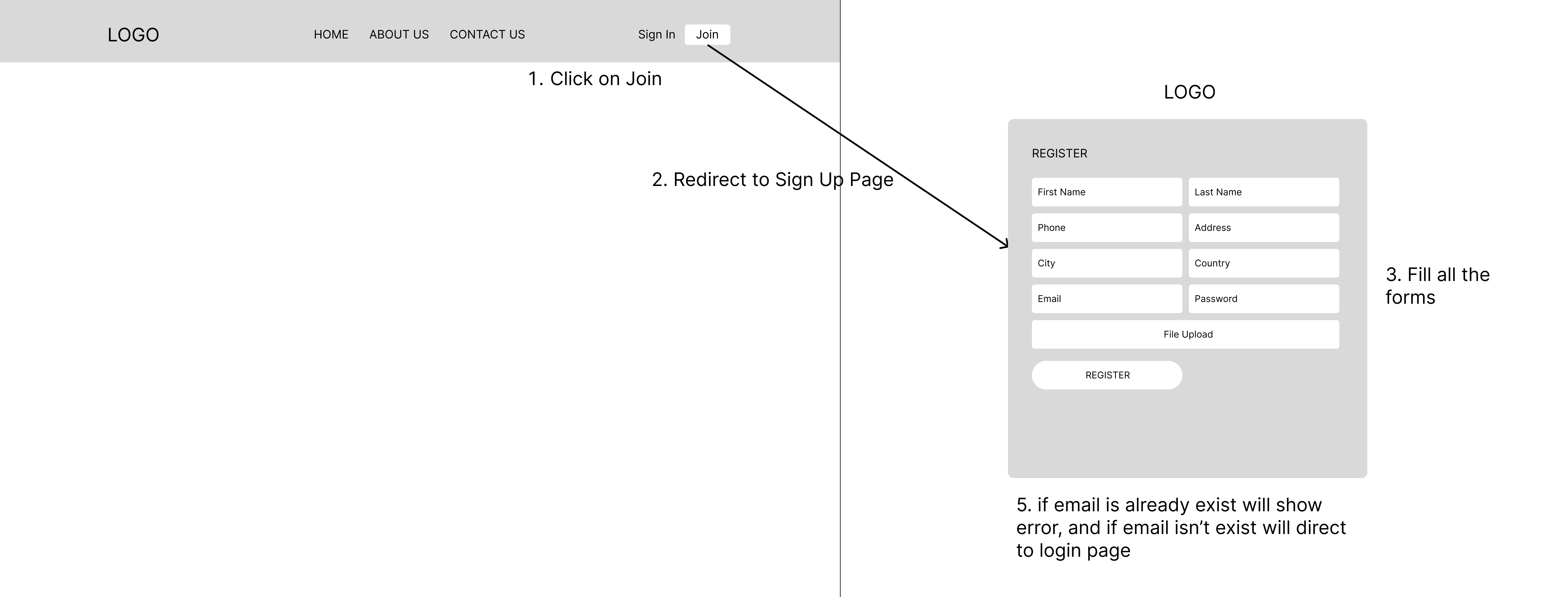
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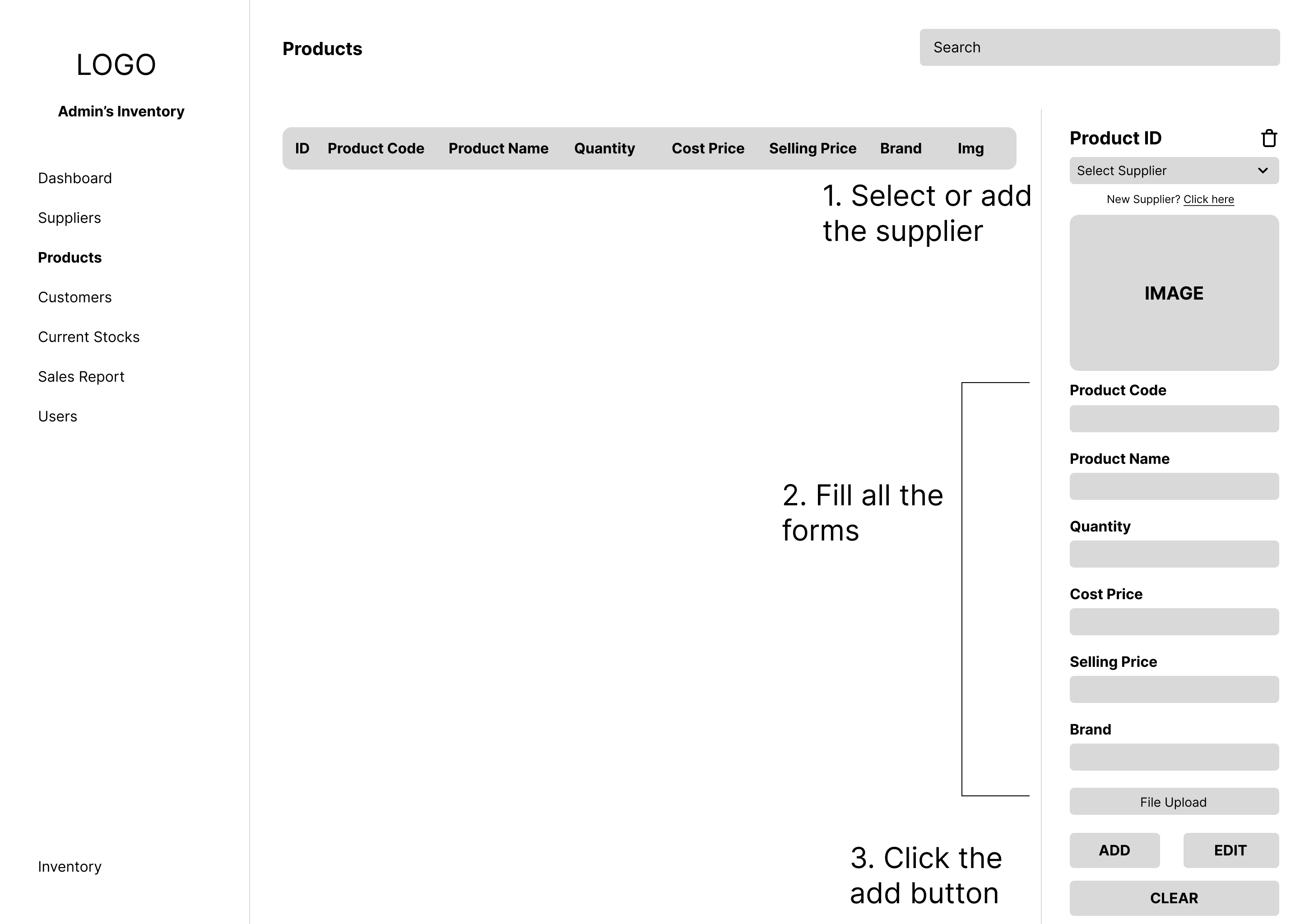
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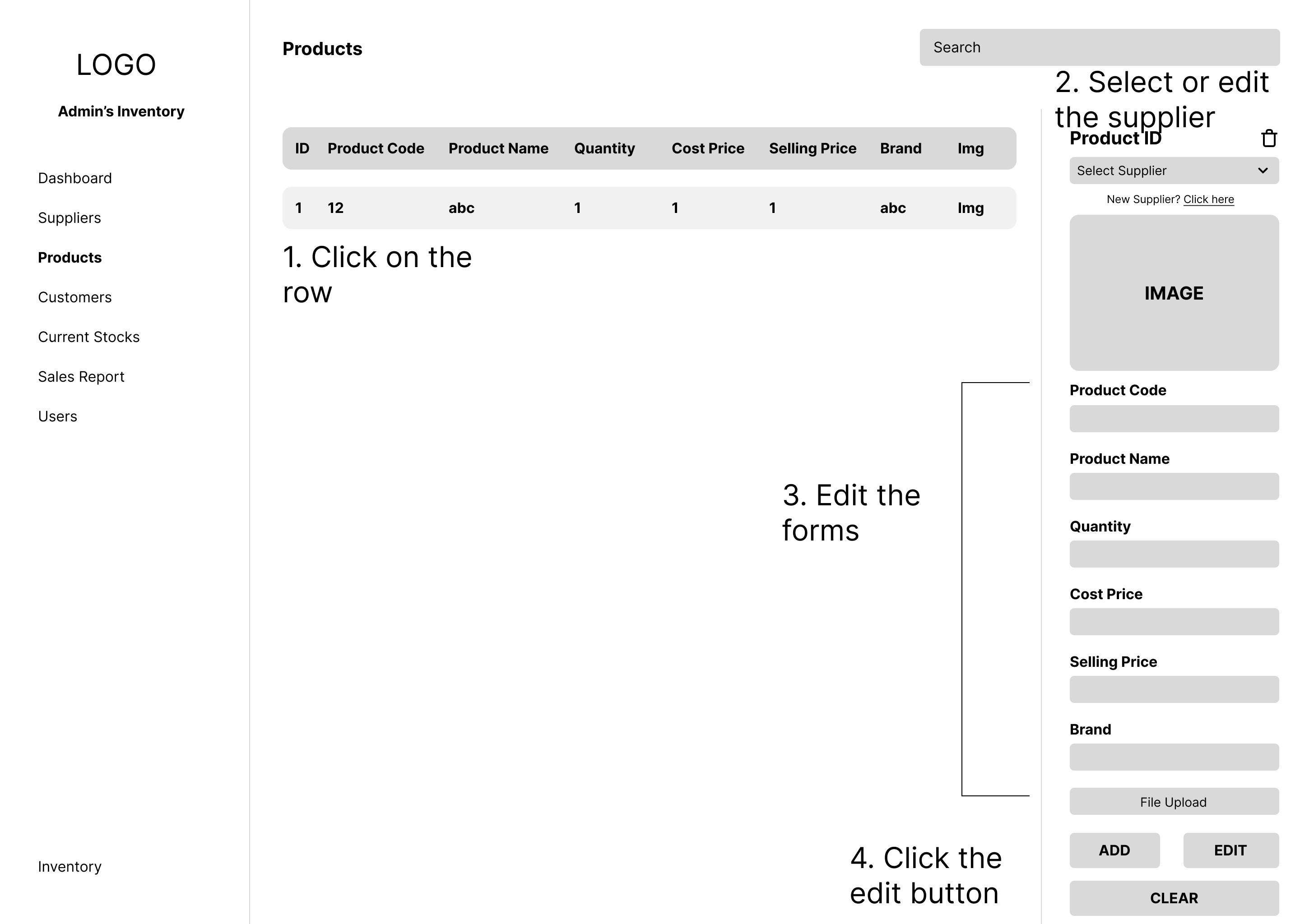
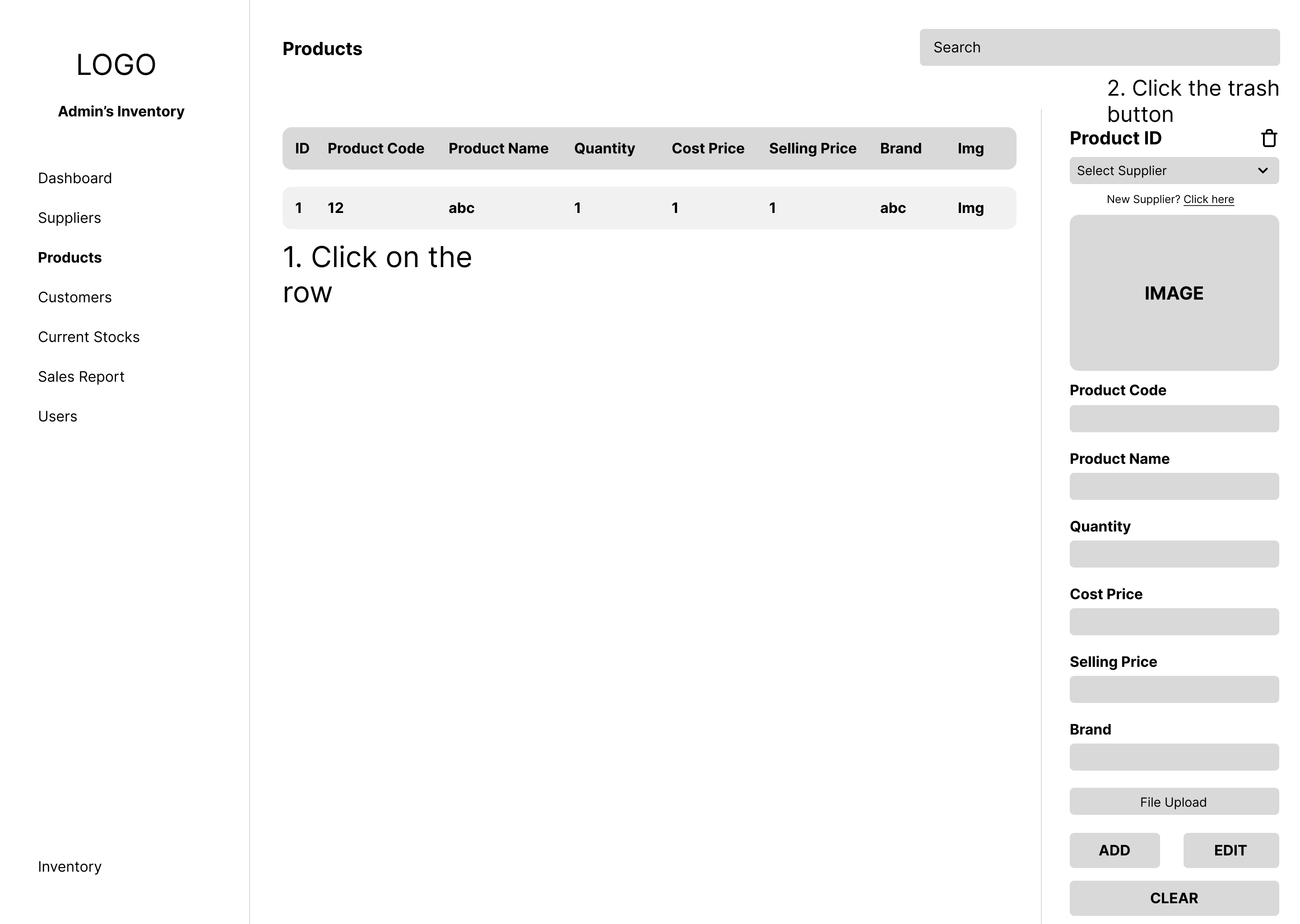
**Storyboard**

**Login   
**

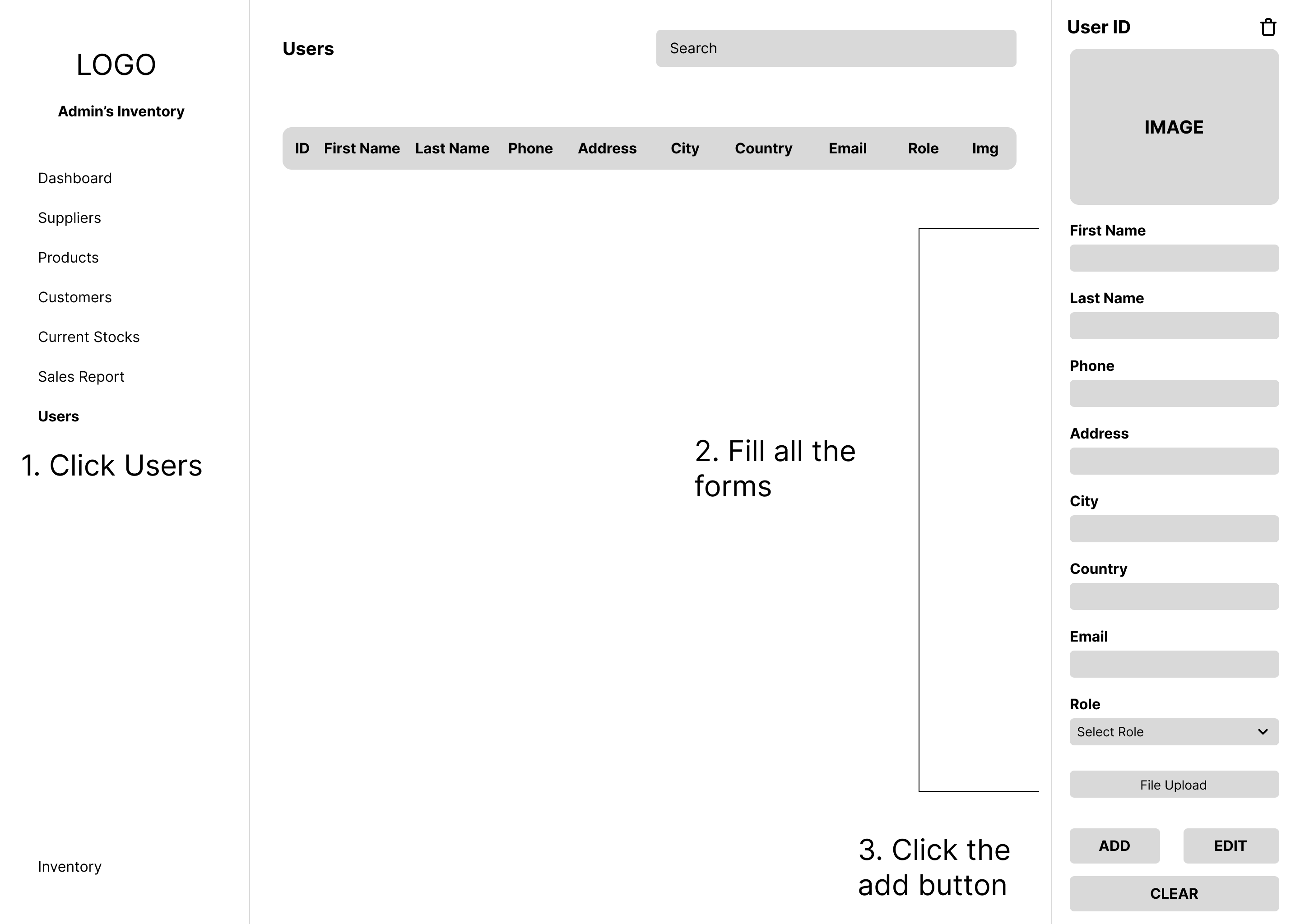
**Register**

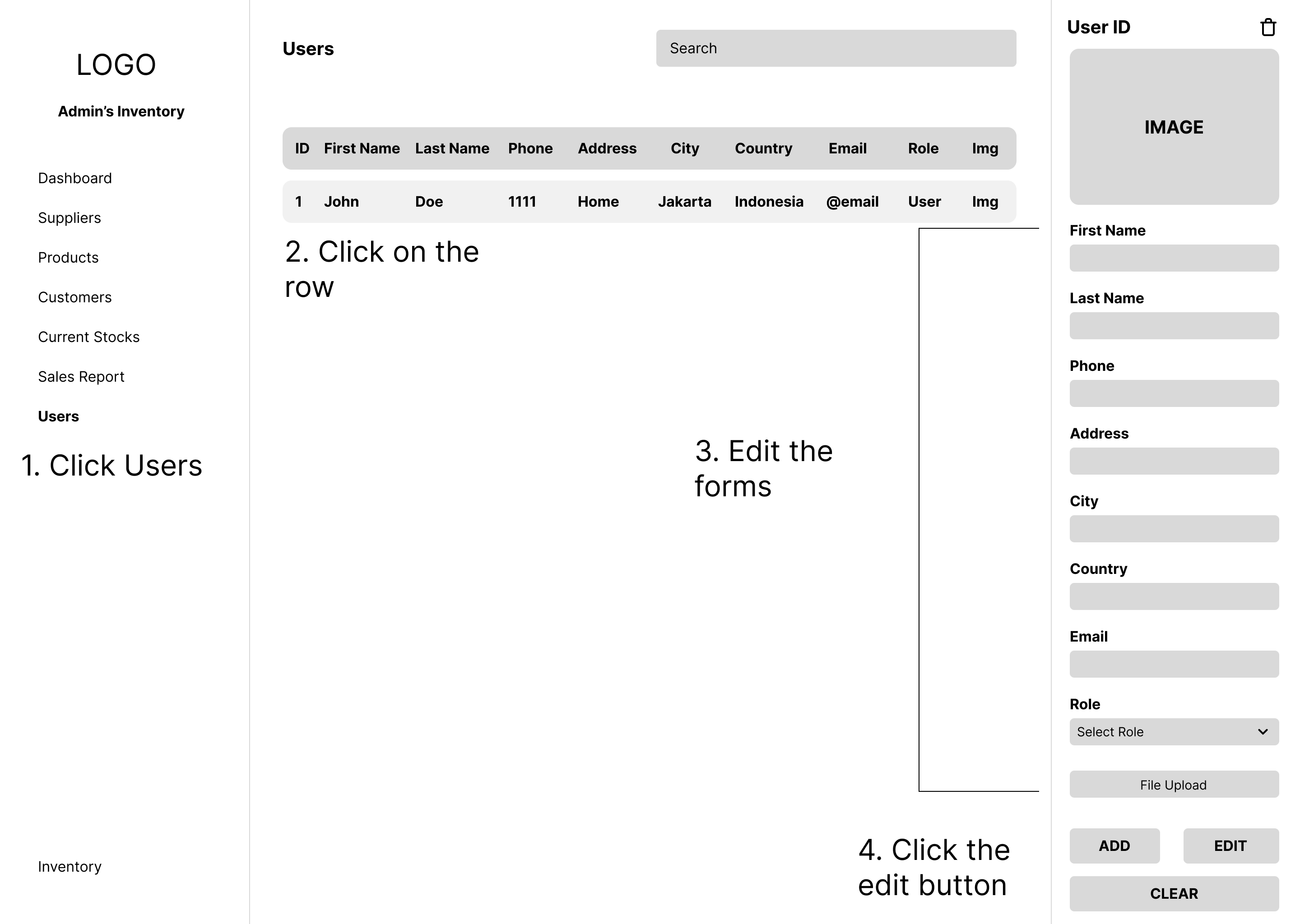
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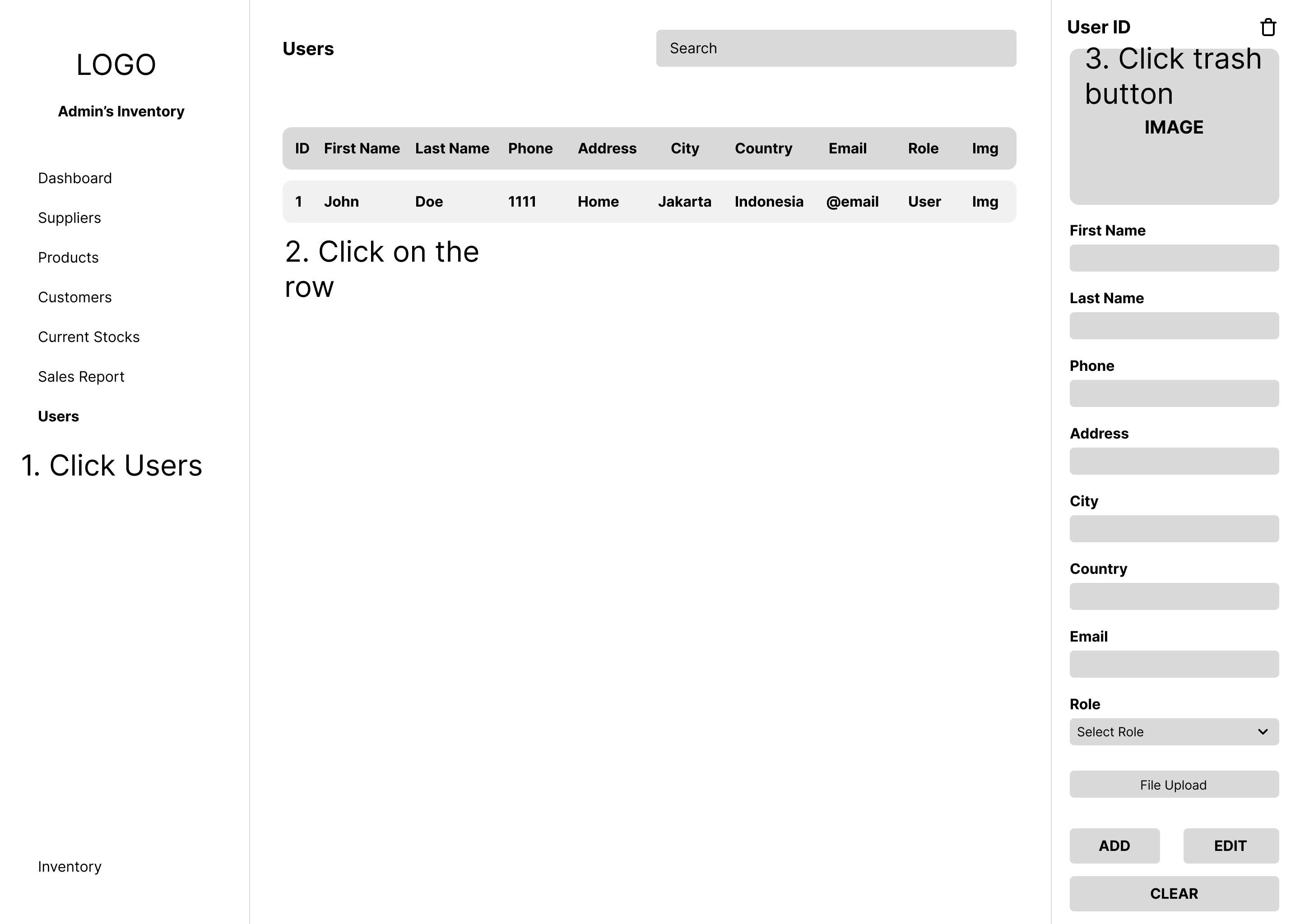
**Add Product  
**

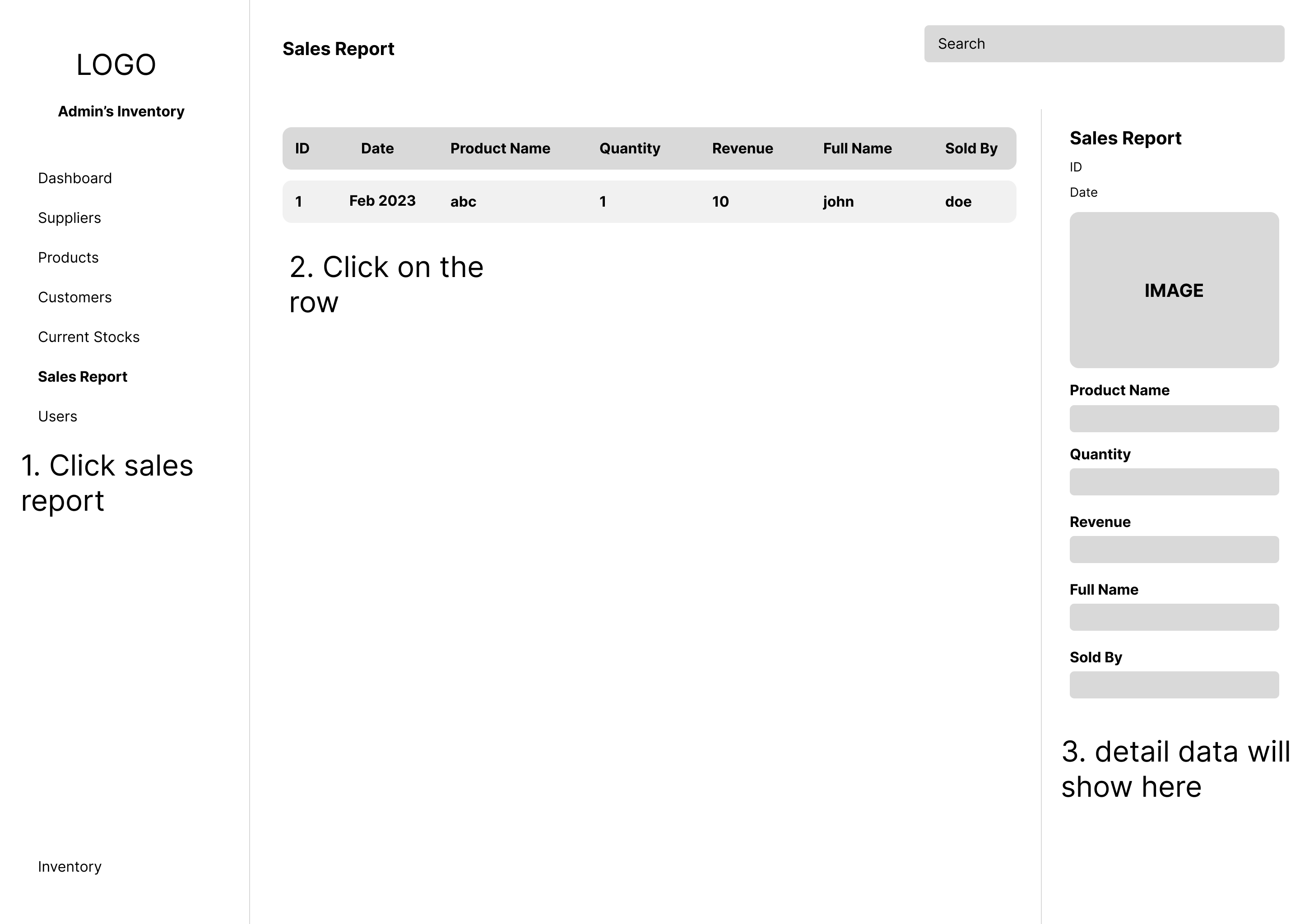
**Edit Product  
  
  
Delete Product  
**

**Admin Story Board**

**Add User  
**

**Edit User  
**

**Delete user  
**

**View Sales Report  
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