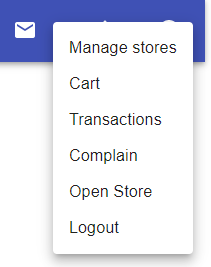
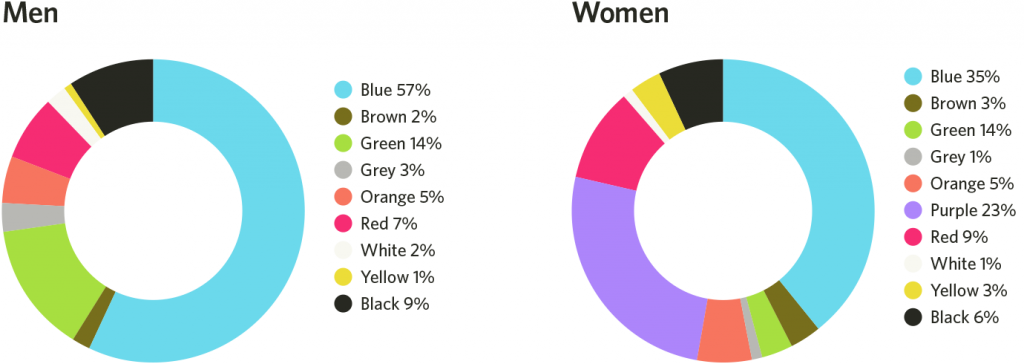
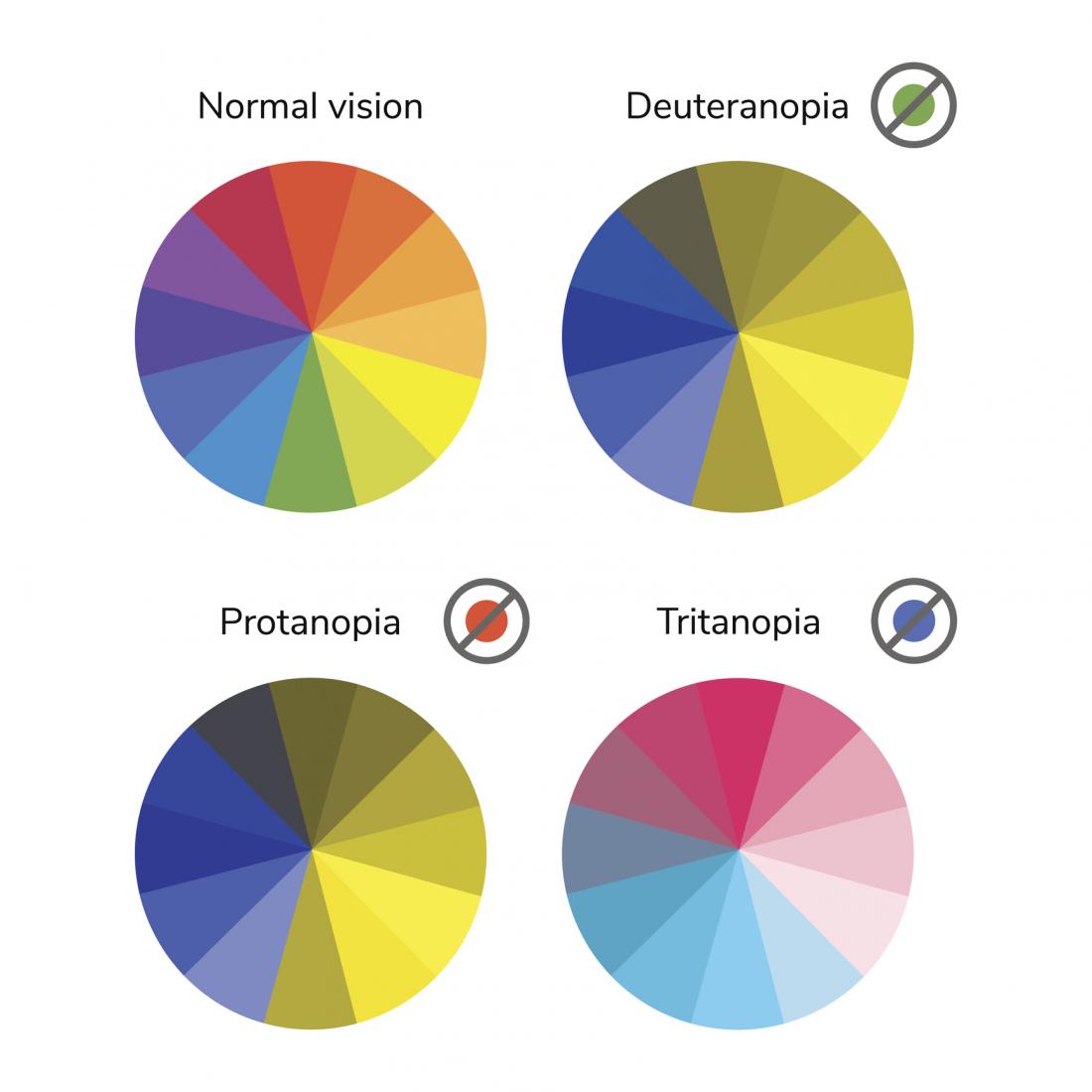
**Graphical User Interface Characterization**

**Menus:**

* SLO- Elevation and clarity of use.  
  -SLI- Menus appear in front of all other permanent UI elements  
  ****
* -SLO- Visibility  
  -SLI- the menu is placed at a maximum height of 14px below the height of the app’s UI.
* SLO-Organization *.*SLI- Menus are placed next to the element that generates them.

**Colors:**

* SLO-Creating a soothing reliable environment.  
  SLI- Using the color blue Makes people feel safe. Blue is a very common color for websites and apps in the travel industry. It represents reliability.  
  
* SLO- accessibility- background-to-text contrast ratio should be at least 4.5:1  
  SLI- Our background-to-text contrast ratio is 7.12 , an “AAA” rating .  
    
  

**Headers:**

* SLO – Consistency  
  SLI- The font “raleway” is being used and the headers are consistently placed at the center of the page.
* SLO-The size of the header is greater than the size of other elements in the website.   
  SLI- The header size is 18px, which is greater than the other elements which are at size of 14px.

**Buttons**:

* SLO- Clarity.

SLI- Each button make one action happen and has a label on it.

* SLO- Readable text without reading aids.  
  SLI - buttons are at 16px size .
* SLO – Consistency  
  SLI- The font “raleway” is being used

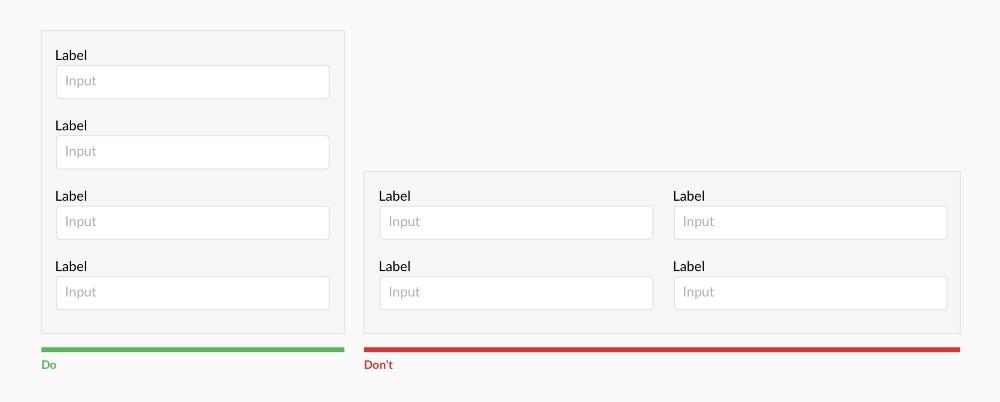
**Page Layout:**

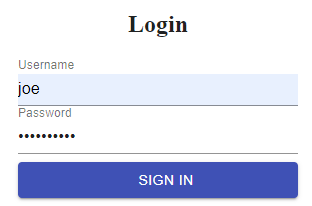
* SLO - The page is not over crowded .  
  SLI – Maximum 20 visual elements per page.
* SLO – Convenience  
  SLI - No need for left and right scrolling
* SLO – clarity for each graphic element.  
  SLI-No overlapping items, and spacing of 10px and above between every element.

**Errors**:

* SLO – accessibility.  
  SLI - Not relying on color to relay crucial system information and Incorporate error messages.

**Forms and Text Boxes:**

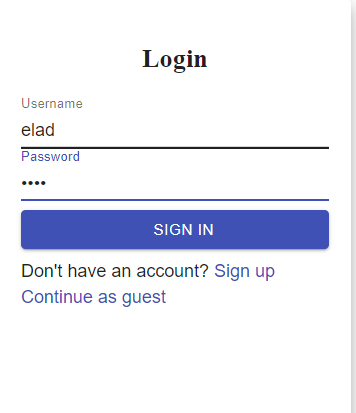
* SLO – clarity of use.  
  SLI - Each form has a guiding label which helps understand what should the user fill in that form.  
  
* SLO – visible and organized page  
  SLI - One column of forms.  
  
* SLO – Security  
  SLI - if a form contains a password, it will not be displayed to the user upon the screen.



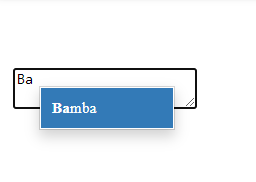
Graphical User Interface Test Plane:

In order to check the functionality of our UI we must test it as well,  
to do so we define tests and success criteria to the main use cases.

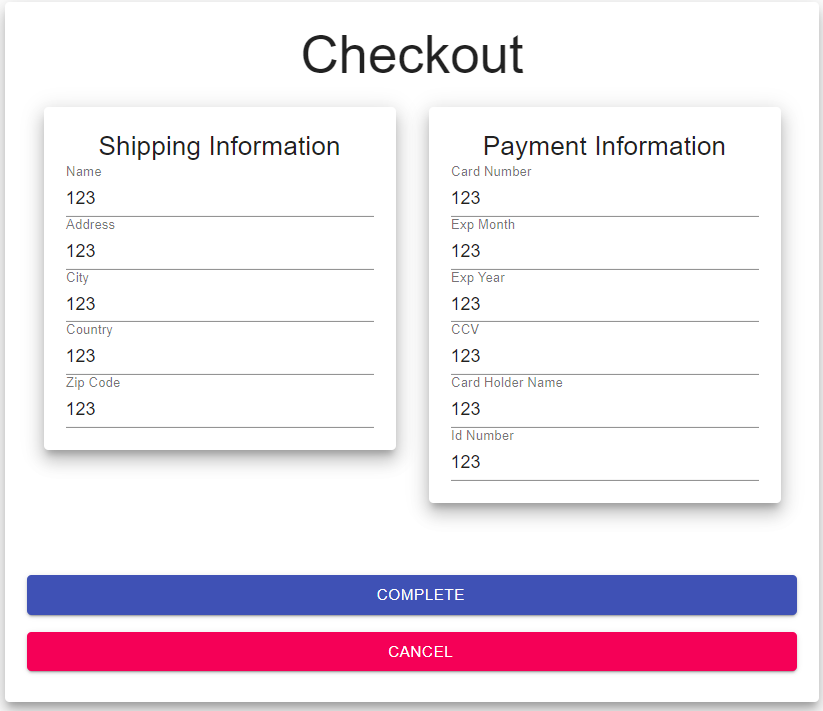
* Use case 2.9(purchase):

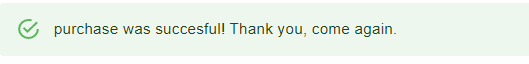
We Assume "bamba" exists in the system, as well as the user "elad"  
The user first enters his user name "elad" and the password "1234" to the respective fields and clicks "SIGN IN".

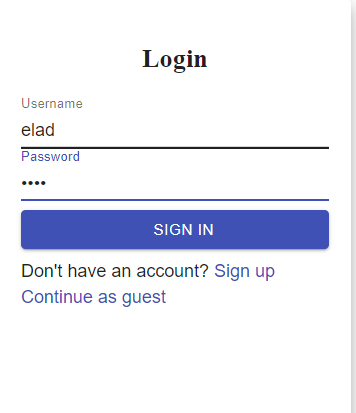


Then the user Clicks on the search icon , selects "Product" to search by name and types in the search bar "Ba", after autocomplete is done the user clicks on the "Bamba" option and clicks "Search"

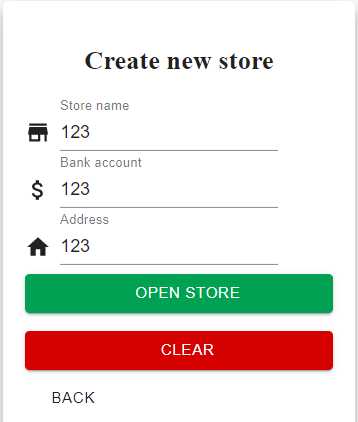
  
After Search results are present the user clicks "Add to Cart" and moves to see his shopping cart by clicking the Shopping cart icon.

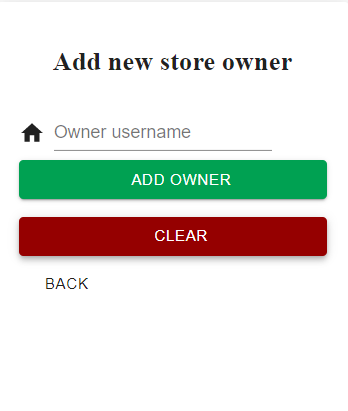
The next step is to purchase the item, the user Clicks "Buy Basket", and moves to the checkout window, he enters "123" in all fields and clicks "Complete"

The expected outcome is  
  
  
any other output is considered as failure.  
Buttons that do not respond at first click are also considered as failure.

* Use case 3.2(Open Store) + 4.3(Appoint owner):  
  We assume that the users "elad" and "michael" exists in the system.  
  The user first enters his user name "elad" and the password "1234" to the respective fields and clicks "SIGN IN".



 After login the user clicks on the menu sign , then "Open store".  
 Next, the user enter "123" in all create new store fields

And the "Open store".  
Next the user clicks the menu sign again, then "Manage Stores" context menu, if the "Manage stores" doesn’t appear, it is considered as failure.  
After the user enters his store and clicks Appoint new Owner the following screen should appear  


The user enters "michael" in the username and then clicks "Add Owner".  
 the expected outcome is

any other output is considered as failure.