Catchy Lights Store Application

# Catchy Lights Store Application

Design and implement a system that manages and organizes your favourite lighting collections. It enables users to store into and search for favourite lightings from the store.

* Home page contains a promo video and carousel of latest item added into the store
* The home page contains the following links
  + Add a Light
  + Create and Search Favourite

# System Features

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| **Use Case #1** | **Add a Light** |
| Trigger | User clicks on “Add a Light” link on the home page |
| Pre-Conditions | - |
| Post-Conditions | The complete information about the Light is stored in the application database |
| UI Screen Details | The input form contains the following fields   |  |  |  | | --- | --- | --- | | Product ID | Alpha Numeric |  | | Light Title / Name | Text value |  | | Company | Text Value |  | | Image | Image |  | | Category/Type | Text Value |  | | Quantity | Numeric |  | | Price | Money |  | |
| Main Flow | The user provides the required details in the form and Clicks “Save” button. On successfully saving the Light details, user is forwarded to the home page along with the message “Light details have been saved successfully” |
| Data Validations | * Input data has to be validated for numeric and date data fields. * All fields are mandatory |
| Business Rules | ID = first 3 letters of category and 4 digits auto increment numbers |
| Exception Flows | * In case of any failure in Data Validation or Business Rules, user should be brought back to the screen along with the error message “The value provided for the field …. Is incorrect or incomplete” |
| Alternate Flows | * When the user selects “Cancel” button, user should be taken back to the home page |

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| **Use Case #2** | **Create and Search Favourites** |
| Trigger | User clicks on “Create and Search Favourites ” link on the home page |
| Pre-Conditions | Light details are in the database |
| Post-Conditions | Details of Light playlists are stored in database |
| UI Screen Details | * ‘**Light list**’ table needs to be displayed. This displays the list of **all** the Lights available in the database. Each Light display will have a button called “Add to Favourite” button beside it. * ‘**Favourites**’ form needs to be displayed the Lights would be selected from the ‘Light list’ table.   + The form will have delete button to delete the selected light from favourite list in database   + The cancel button, on click, will reset this form |
| Main Flow | When the page is loaded the ‘Light List’ form and the ‘Favourites’ table are displayed one below the other.  The ‘Favourites’ table is initially loaded with details in Database. Once the data is entered through the ‘add to favourites’ button and stored successfully, report with Favourites also could be displayed |
| Data Validations | * Input data has to be validated for numeric and image data fields. * All the fields are mandatory |
| Business Rules | * ID should be unique in the system |
| Exception Flows | In case of any failure in Data Validation or Business Rules, user should be brought back to the same screen along with a relevant error message |
| Alternate Flows | * When the user selects “Close” button, user should be taken back to the home page |