Home page / browser

```
+-------------------------------------------------------------------------------------------+
| Kiwi Kloset  [logo]    [Search box........]                          (Cart)        |
+------------------+------------------------------------------------------------------------+
| Categories       |      [Filters]    Size [v]                   Price [-----|---]    |
| - Movies         |                                                                    |
| - Historical     |      [Card] Title                            [View Details]     |
| - Halloween      |      [Img]  $DailyPrice                       [Add to Booking]  |
| - Decades        |        …(etc)                                                       |
+------------------+------------------------------------------------------------------------+
| Footer: Contact • Branches • Terms                                                 |
+-------------------------------------------------------------------------------------------+
```

1.Purpose

The homepage acts as the main entry point to the website, enabling users to browse costumes, refine searches with filters, and begin bookings.

Layout & Elements

1. Header

   ○ Logo (Kiwi Kloset): Provides branding and links back to the homepage.

   ○ Search Bar: Allows keyword-based costume searches.

   ○ Cart Icon: Displays the number of items in the user's booking cart and links to the cart page.

2. Sidebar (Categories)

   ○ A list of high-level categories (*Movies, Historical, Halloween, Decades*) for quick navigation. Selecting a category filters costumes displayed in the main section.

3. Filters

   ○ Size Dropdown: Enables filtering costumes by available size (XS–XL).

   ○ Price Slider: Allows users to refine results by daily rental price range.

4. Costume Cards

- ○ Each card contains:

    - ■ Thumbnail Image of the costume.

    - ■ Title and Daily Price.

    - ■ View Details Button: Opens the costume details page.

    - ■ Add to Booking Button: Adds the costume directly to the booking cart.

  5. Footer

    - ○ Provides links to Contact Information, Branches, and Terms of Service.

CostumeDdetails

```
+----------------------------------------------------------------------------------+
| < Back | Kiwi Kloset                                                             |
+----------------------------------------------------------------------------------+
| Title (Category tags)                                                            |
| Description:                                                                     |
| Size: [XS][S][M][L][XL]  Daily Price:   $00.00       Deposit:  $00.00            |
| Availability at Branch    [Hamilton Central v]:                 [In stock]       |
| [Add to Booking]                                                                 |
+----------------------------------------------------------------------------------+
| Related Costumes   (carousel)                                                    |
+----------------------------------------------------------------------------------+
| Footer: Contact • Branches • Terms                                               |
+----------------------------------------------------------------------------------+
```

2. Costume Details Page

Purpose

The costume details page provides detailed information about an individual costume and allows users to add it to their booking cart with specific selections.

Layout & Elements

  1. Navigation

- Back Button: Returns to the previous page.

- Logo: Branding and quick return to homepage.

2. Costume Details

- Title with Category Tags (e.g., *1960s • Historical*).

- Description: Information on the costume theme, design, and materials.

3. Booking Options

- Size Selector: Buttons for XS–XL.

- Daily Price and Deposit displayed.

- Branch Availability: Dropdown to select branch (e.g., *Hamilton Central*), with live stock status shown (e.g., *In stock*).

- Add to Booking Button: Confirms selections and adds the costume to the cart.

4. Related Costumes

- Carousel displaying similar or complementary costumes for further browsing.

5. Footer

- Standard site links (Contact, Branches, Terms).

Account registry/ form for getting profile

```
+------------------------------------------------------------------------------------------------+
| < Back | Kiwi Kloset                                                                            |
+------------------------------------------------------------------------------------------------+
| Create Account                                                                                 |
| First Name [ ]                                                                                 |
| Last Name [ ]                                                                                  |
| Email [ ]                                                                                      |
| Phone [ ]                                                                                      |
| [Create Account]                                                                               |
+------------------------------------------------------------------------------------------------+
| Footer: Contact • Branches • Terms                                                             |
+------------------------------------------------------------------------------------------------+
```

3. Account Registration / Profile Form

Purpose

Allows customers to create a personal account to store contact information, booking history, and simplify the checkout process.

Layout & Elements

1. Navigation

   - Back Button: Returns to the previous page.

   - Logo: Branding and homepage shortcut.

2. Form Fields

   - First Name, Last Name.

   - Email: Required for account creation and booking confirmations.

   - Phone: Required for contact purposes.

3. Create Account Button

   - Submits the form and creates the user's account profile.

4. Footer

   - Standard links (Contact, Branches, Terms).

Booking Cart/ checkout

```
+--------------------------------------------------------------------------------+
| Booking Cart                                                                   |
+--------------------------------------------------------------------------------+
| Item Dates Qty Daily Subtotal                                                  |
| 60s Dress (M) 12 Sep → 14 Sep 1 $25 $50                                        |
| [Change dates] [Remove]                                                        |
| Total: $50                                                                     |
| [Proceed to Checkout]                                                          |
+--------------------------------------------------------------------------------+
| Checkout: Select Branch [v]          Confirm Details        Submit Booking     |
+--------------------------------------------------------------------------------+
| Footer: Contact • Branches • Terms                                             |
+--------------------------------------------------------------------------------+
```

4. Booking Cart / Checkout

Purpose

Enables users to review, edit, and confirm their booking selections before submitting.

Layout & Elements

1. Cart Overview

   ○ Table of Items: Displays each selected costume with:

      ■ Item name and size.

      ■ Dates (rental period).

      ■ Quantity.

      ■ Daily rate and calculated subtotal.

2. Item Controls

   ○ Change Dates: Adjust rental period.

   ○ Remove: Delete item from the cart.

3. Total

   ○ Displays the current subtotal of the booking.

4. Checkout Controls

   ○ Proceed to Checkout: Moves user into checkout steps.

   ○ Checkout Flow:

      ■ Select Branch Dropdown: Choose pickup branch.

      ■ Confirm Details: Review customer and booking information.

      ■ Submit Booking: Finalizes booking and reserves the costumes.

5. Footer

   ○ Standard site links.

My Bookings

```
+----------------------------------------------------------------------------------------+
| My Bookings                                                                            |
+----------------------------------------------------------------------------------------+
| #12345 Confirmed 12–14 Sep Hamilton Central                                            |
| Items:   60s Dress (M)                                                                 |
| [View / Edit]      [Cancel]                                                            |
| …(etc)                                                                                 |
+----------------------------------------------------------------------------------------+
| Footer: Contact • Branches • Terms                                                     |
+----------------------------------------------------------------------------------------+
```

5. My Bookings

Purpose

Provides customers with an overview of past and upcoming bookings and options to manage them.

Layout & Elements

1. Booking List

    - Each booking includes:

        - Booking Number (#12345).

        - Status (e.g., *Confirmed*).

        - Dates (e.g., *12–14 Sep*).

        - Branch (e.g., *Hamilton Central*).

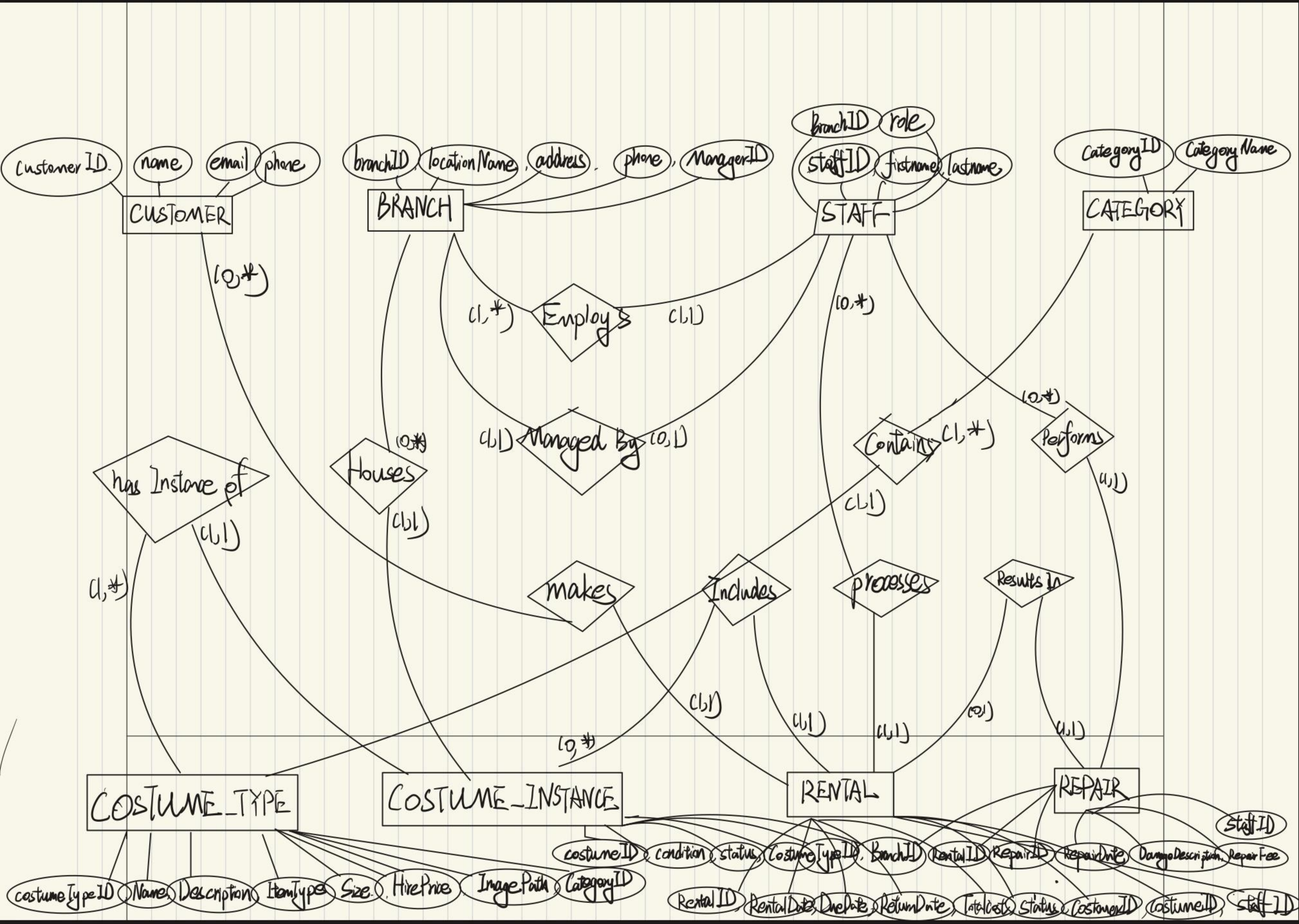   - Items within the booking (e.g., *60s Dress, M*).

2. Booking Actions

    - View / Edit: Opens booking details; may allow size/date adjustments (if permitted).

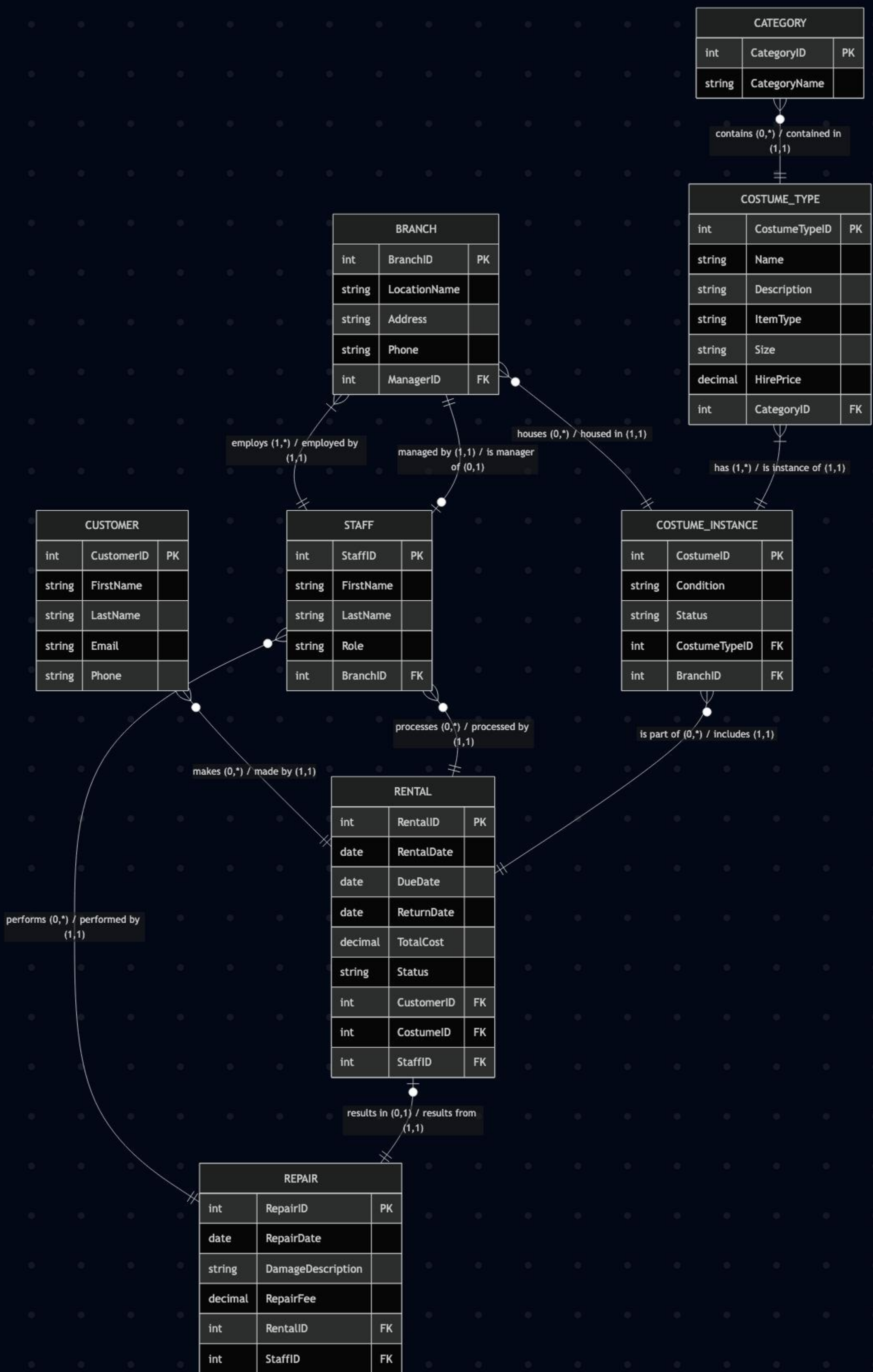   - Cancel: Cancels booking, depending on terms and conditions.

3. Footer

    - Standard site links.

Entity-Relationship Diagram

Entities and Attributes

CUSTOMER: Customer ID, name, email, phone

BRANCH: branchID, location Name, address, phone, ManagerID

STAFF: staffID, branchID, role, firstname, lastname

CATEGORY: Category ID, Category Name

COSTUME_TYPE: costumeType ID, Name, Description, ItemType, Size, HirePrice, ImagePath, CategoryID

COSTUME_INSTANCE: costumeID, condition, status, CostumeType ID, BranchID

RENTAL: RentalID, RentalDate, DueDate, ReturnDate, TotalCost, Status, CustomerID, CostumeID, StaffID

REPAIR: RepairID, RepairDate, DamageDescription, RepairFee, StaffID

Relationships

- BRANCH **Employs** STAFF : (1,*) — (1,1)
- BRANCH **Managed By** STAFF : (1,1) — (0,1)
- STAFF **Contains** : (1,*) / (1,1)
- STAFF **Performs** : (0,*) / (1,1)
- COSTUME_TYPE **has Instance of** COSTUME_INSTANCE : (1,1) / (1,*)
- BRANCH **Houses** : (0,*) / (1,1)
- CUSTOMER **makes** : (0,*)
- **Includes** : (1,1)
- **processes** : (1,1)
- **Results In** : (0,1) / (1,1)
- CUSTOMER (0,*)
- COSTUME_INSTANCE (0,*)
- CATEGORY (0,*)

CATEGORY

int	CategoryID	PK
string	CategoryName	

contains (0,*) / contained in (1,1)

COSTUME_TYPE

int	CostumeTypeID	PK
string	Name	
string	Description	
string	ItemType	
string	Size	
decimal	HirePrice	
int	CategoryID	FK

has (1,*) / is instance of (1,1)

BRANCH

int	BranchID	PK
string	LocationName	
string	Address	
string	Phone	
int	ManagerID	FK

employs (1,*) / employed by (1,1)

managed by (1,1) / is manager of (0,1)

houses (0,*) / housed in (1,1)

CUSTOMER

int	CustomerID	PK
string	FirstName	
string	LastName	
string	Email	
string	Phone	

STAFF

int	StaffID	PK
string	FirstName	
string	LastName	
string	Role	
int	BranchID	FK

COSTUME_INSTANCE

int	CostumeID	PK
string	Condition	
string	Status	
int	CostumeTypeID	FK
int	BranchID	FK

processes (0,*) / processed by (1,1)

is part of (0,*) / includes (1,1)

makes (0,*) / made by (1,1)

performs (0,*) / performed by (1,1)

RENTAL

int	RentalID	PK
date	RentalDate	
date	DueDate	
date	ReturnDate	
decimal	TotalCost	
string	Status	
int	CustomerID	FK
int	CostumeID	FK
int	StaffID	FK

results in (0,1) / results from (1,1)

REPAIR

int	RepairID	PK
date	RepairDate	
string	DamageDescription	
decimal	RepairFee	
int	RentalID	FK
int	StaffID	FK

CUSTOMER (<u>CustomerID</u>, FirstName, LastName, Email, Phone)

- **Foreign Keys**: None

BRANCH (<u>BranchID</u>, LocationName, Address, Phone, ManagerID)

- **Foreign Keys**:
  - `ManagerID` **references STAFF(** `StaffID` **)**

STAFF (<u>StaffID</u>, FirstName, LastName, Role, BranchID)

- **Foreign Keys**:
  - `BranchID` references BRANCH(`BranchID`)

CATEGORY (<u>CategoryID</u>, CategoryName)

- **Foreign Keys**: None

COSTUME_TYPE (<u>CostumeTypeID</u>, Name, Description, **ItemType**, Size, HirePrice, CategoryID)

- **Foreign Keys**:
  - `CategoryID` references CATEGORY(`CategoryID`)

COSTUME_INSTANCE (<u>CostumeID</u>, Condition, Status, CostumeTypeID, BranchID)

- **Foreign Keys**:
  - `CostumeTypeID` references COSTUME_TYPE(`CostumeTypeID`)
  - `BranchID` references BRANCH(`BranchID`)

RENTAL (<u>RentalID</u>, RentalDate, DueDate, ReturnDate, TotalCost, Status, CustomerID, CostumeID, StaffID)

- **Foreign Keys**:
  - `CustomerID` references CUSTOMER(`CustomerID`)
  - `CostumeID` references COSTUME_INSTANCE(`CostumeID`)
  - `StaffID` references STAFF(`StaffID`)

REPAIR (<u>RepairID</u>, RepairDate, DamageDescription, RepairFee, RentalID, StaffID)

- **Foreign Keys**:
  - `RentalID` references RENTAL(`RentalID`)
  - `StaffID` references STAFF(`StaffID`)

COMPX225 Project Deliverable 1 Report Template

Group Name:

Contribution table
Please specify the contribution (in percentage) each group member has made.

Name	Part 1	Part 2	Part 3	Part 4
Junyao Shi	50%	50%	50%	50%
Dillon Mitchell	50%	50%	50%	50%
	0%	0%	0%	0%

Note: Each group member is supposed to contribute to all four parts of Deliverable 1. You will not get any marks for a part on which you didn't do any work.

Part 1: ER Diagram (40 points)
Task 1: Draw the ER Diagram of the database that consists of entities, attributes, relationships and cardinalities, and underline the attribute(s) that will be used as primary key
Task 2. Explain the attributes that are not self-explanatory, for example, attributes with unclear names, that will be normalised, or have constraints on the values.

Part 2: Relational Model (10 points)
Task: Create the relational model from the ER diagram developed in Part 1. Make sure to (1) underline primary keys, (2) point out the foreign keys and the relations they reference.

Part 3: MySQL Code (30 points)
Task 1: Convert the relational model in Part 2 to SQL tables. Make sure to use appropriate data types, specify the primary and foreign keys, and include sensible check constraints.
Task 2: Insert at least four rows into all tables. Show the results.
Please submit all MySQL statements written for Part 3 Task 1-2 in a *.sql* file and only show the results (inserted as images) in the report.

Part 4: Wireframes (20 points)
Task 1: Create wireframes for the website for the customer-based requirements.
Task 2: Explain any UI/UX features that are not self-explanatory.

Wireframes example

Landing Page

PRODUCTS ABOUT CONTACT

PRODUCT #1

CTA

PRODUCT DESCRIPTION
CTA

ABOUT US

ADDRESS

Our Product

PRODUCTS ABOUT CONTACT

HIGHLIGHT #1
CTA

HIGHLIGHT #2
CTA

HIGHLIGHT #3
CTA

DETAILS

ADDRESS

About

PRODUCTS ABOUT CONTACT

SHORT STATEMENT
ABOUT THE TEAM

OUR TEAM

NAME
SURNAME
Position

NAME
SURNAME
Position

NAME
SURNAME
Position

NAME
SURNAME
Position

SHORT STATEMENT
ABOUT THE COMPANY

HISTORY

ADDRESS

News

PRODUCTS ABOUT CONTACT

CTA   CTA

CTA   CTA

ADDRESS