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Class Activity

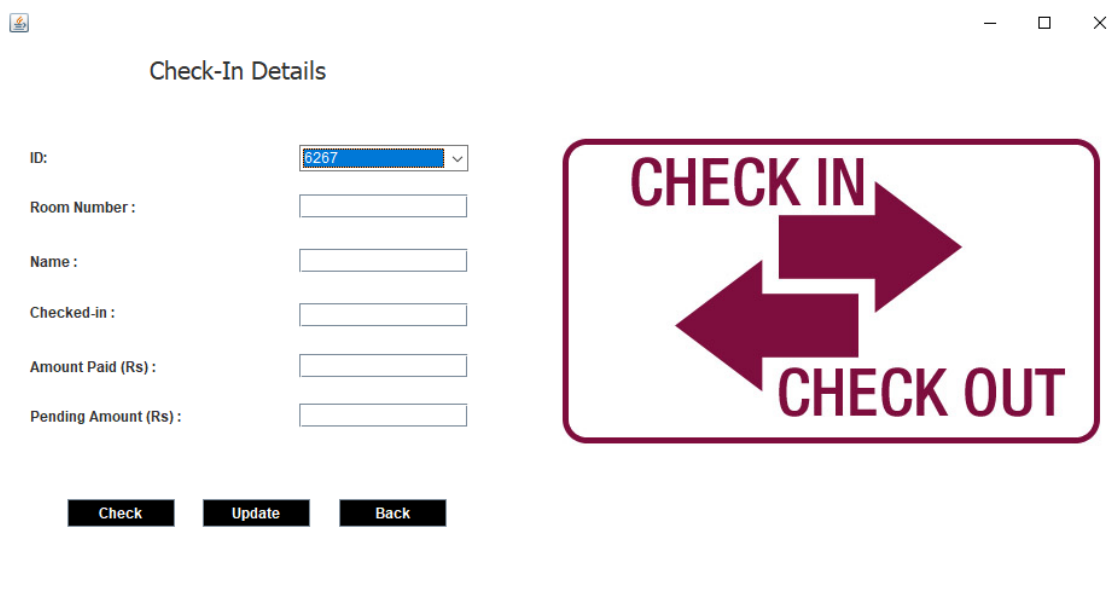
EFFECT OF CHANGING FONT ON THE SYSTEM

Independent Variable: Font.

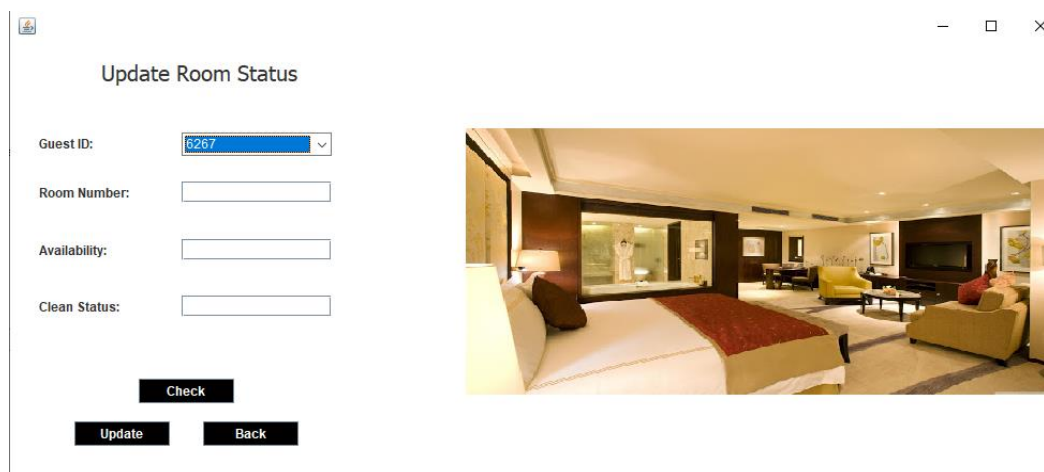
Dependent:

1. Consistency in the system.


Hypothesis: Changing the font doesn't have much effect on the system, yet it still disrupts the consistency in the system. Having different fonts in different windows will lead to poor user interaction as the system won't be consistent.




The screenshot shows a web application window titled "Check-In Details". On the left, there is a form with the following fields: "ID:" with a dropdown menu showing "6267", "Room Number:", "Name:", "Checked-in:", "Amount Paid (Rs):", and "Pending Amount (Rs):". Below the form are three buttons: "Check", "Update", and "Back". On the right side of the window, there is a large graphic of a sign with a maroon border. The sign has "CHECK IN" at the top with a right-pointing arrow, and "CHECK OUT" at the bottom with a left-pointing arrow.



The screenshot shows a web application window titled "Update Room Status". On the left, there is a form with the following fields: "Guest ID:" with a dropdown menu showing "6267", "Room Number:", "Availability:", and "Clean Status:". Below the form are three buttons: "Check", "Update", and "Back". On the right side of the window, there is a photograph of a modern hotel room interior, featuring a large bed, a sofa, and a television.




Check Out

Number : 

Room Number:

Check Out

Back



EFFECT OF ADDING A CUSTOMER TO THE SYSTEM

Independent Variable: Customer.


Dependent Variable:

1. Rooms info

Hypothesis: The availability status of the room booked by the customer is changed from "available" to "occupied."

2. Customer Info

Hypothesis: A new row is added to the table consisting of customer information. The new row contains the information of newly added customer.



NEW CUSTOMER FORM

ID :

Number :

Name :

Gender : ☐ Male ☐ Female

Country :


Allocated Room Number :

Checked-In :

Deposit :

Add

Back





Check Out

Number :



Room Number:



Check Out

Back



Room Number	Availability	Clean Status	Price	Bed Type
109	Available	Clean	10000	Single Bed
110	Available	Cleaned	10000	Single Bed
120	Available	Clean	15000	Double Bed
130	Occupied	Cleaned	10000	Single Bed
140	Available	Cleaned	10000	Single Bed
135	Occupied	Cleaned	20000	Double Bed
155	Occupied	Cleaned	10000	Single Bed
121	Available	Cleaned	20000	Double Bed
123	Available	Cleaned	10000	Single Bed
125	Available	Clean	10000	Single Bed
129	Available	Cleaned	20000	Double Bed
115	Occupied	Cleaned	10000	Single Bed
142	Available	Cleaned	10000	Single Bed
143	Available	Cleaned	10000	Single Bed
149	Available	Cleaned	10000	Single Bed
166	Available	Cleaned	10000	Single Bed
169	Available	Cleaned	10000	Single Bed
170	Occupied	Cleaned	10000	Single Bed
171	Occupied	Cleaned	10000	Single Bed
173	Occupied	Cleaned	10000	Single Bed
174	Occupied	Cleaned	10000	Single Bed
188	Available	Cleaned	10000	Single Bed
196	Available	Cleaned	10000	Single Bed
199	Occupied	Cleaned	10000	Single Bed
200	Occupied	Cleaned	10000	Single Bed

Load Data

Back



ID	Number	Name	Gender	Country	Room	Check-in Status	Deposit
Voter Id	6267	Ramsha	Female	Pakistan	199	Yes	10000
CNIC	4198553992765	Hammad	Male	Turkey	155	Yes	10000
Voter Id	5526	Mubarak	Male	Pakistan	174	Yes	10000
Voter Id	1125	Shahwaz	Male	Pakistan	115	Yes	10000
Voter Id	1048	Asma	Female	Pakistan	130	Yes	10000
Voter Id	1942	Ali	Male	Pakistan	135	Yes	10000
Voter Id	9875	Kareem	Male	Pakistan	115	Yes	10000
Voter Id	8456	Eeman	Female	Pakistan	170	Yes	10000
Voter Id	9823	Maheen	Female	Pakistan	171	Yes	10000
Voter Id	1520	Areeba	Female	Pakistan	173	Yes	10000
Voter Id	6898	Junaid	Male	Pakistan	200	Yes	10000



EFFECT OF CUSTOMER CHECKING OUT FROM THE HOTEL

Independent Variable: Customer checking out.

Dependent Variable:

1. Rooms info

Hypothesis: When the customer checks out from the room, the availability of the room changes from "occupied." to "available."

2. Customer Info

Hypothesis: A row consisting of customer's information is deleted from the table.

The screenshot displays a hotel management system interface. On the left, a table lists room details, including Room Number, Availability, Clean Status, Price, and Bed Type. A red arrow points to the 'Clean' status in the 'Clean Status' column for room 109. Below the table are 'Load Data' and 'Back' buttons. On the right, a photograph of a hotel room with a large window and a person standing by it is shown. A red arrow points to the 'Load Data' button. Below the photograph, another table displays customer information, including ID, Number, Name, Gender, Country, Room, Check-in Status, and Deposit.

Room Number	Availability	Clean Status	Price	Bed Type
109	Available	Clean	10000	Single Bed
110	Available	Cleaned	10000	Single Bed
120	Available	Clean	15000	Double Bed
130	Occupied	Cleaned	10000	Single Bed
140	Available	Cleaned	10000	Single Bed
135	Occupied	Cleaned	20000	Double Bed
155	Occupied	Cleaned	10000	Single Bed
121	Available	Cleaned	20000	Double Bed
123	Available	Cleaned	10000	Single Bed
125	Available	Clean	10000	Single Bed
129	Available	Cleaned	20000	Double Bed
115	Occupied	Cleaned	10000	Single Bed
142	Available	Cleaned	10000	Single Bed
143	Available	Cleaned	10000	Single Bed
149	Available	Cleaned	10000	Single Bed
166	Available	Cleaned	10000	Single Bed
169	Available	Cleaned	10000	Single Bed
170	Occupied	Cleaned	10000	Single Bed
171	Occupied	Cleaned	10000	Single Bed
173	Occupied	Cleaned	10000	Single Bed
174	Occupied	Cleaned	10000	Single Bed
188	Available	Cleaned	10000	Single Bed
196	Available	Cleaned	10000	Single Bed
199	Occupied	Cleaned	10000	Single Bed
200	Occupied	Cleaned	10000	Single Bed

Load Data Back

ID	Number	Name	Gender	Country	Room	Check-in Status	Deposit
Voter Id	6267	Ramsha	Female	Pakistan	199	Yes	10000
CNIC	4198553992765	Hammad	Male	Turkey	155	Yes	10000
Voter Id	5526	Mubarak	Male	Pakistan	174	Yes	10000
Voter Id	1125	Shahwaz	Male	Pakistan	115	Yes	10000
Voter Id	1048	Asma	Female	Pakistan	130	Yes	10000
Voter Id	1942	Ali	Male	Pakistan	135	Yes	10000
Voter Id	9875	Kareem	Male	Pakistan	115	Yes	10000
Voter Id	8456	Eeman	Female	Pakistan	170	Yes	10000
Voter Id	9823	Maheen	Female	Pakistan	171	Yes	10000
Voter Id	1520	Areeba	Female	Pakistan	173	Yes	10000
Voter Id	6898	Junaid	Male	Pakistan	200	Yes	10000

EFFECT OF CHANGING FONT SIZE ON THE SYSTEM USABILITY

Independent Variable: Font Size.

Dependent:

1. Table Alignment.

Hypothesis: It ensures customer's satisfaction as it improves readability and usability.

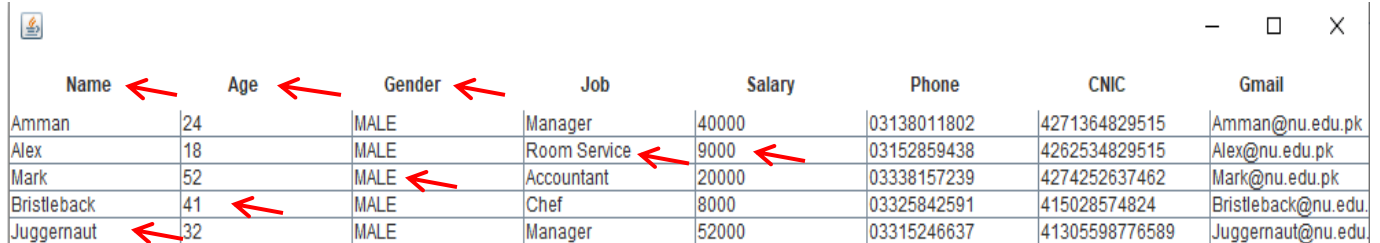
For example: The table's alignment can turn out to be clustered if the font size is not consistent with it. Therefore, for easy interaction font size plays a vital role.

2. Size of buttons, with labels.

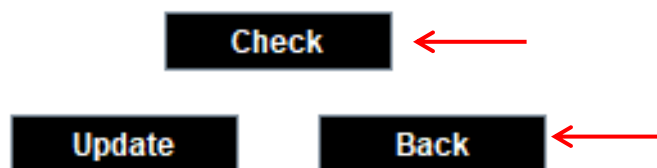
Hypothesis: It has an effect on the visibility as if font size precedes the space of the label, it will negatively affect the presentation.

3. Overall visibility of the system.

Hypothesis: The efficient visibility is surely maintained by a compatible font size.



Name	Age	Gender	Job	Salary	Phone	CNIC	Gmail
Amman	24	MALE	Manager	40000	03138011802	4271364829515	Amman@nu.edu.pk
Alex	18	MALE	Room Service	9000	03152859438	4262534829515	Alex@nu.edu.pk
Mark	52	MALE	Accountant	20000	03338157239	4274252637462	Mark@nu.edu.pk
Bristleback	41	MALE	Chef	8000	03325842591	415028574824	Bristleback@nu.edu.
Juggernaut	32	MALE	Manager	52000	03315246637	41305598776589	Juggernaut@nu.edu



USING POSITIVE CONTRAST OVER NEGATIVE CONTRAST

Independent Variable: Contrast.

Dependent:



1. User Satisfaction

Hypothesis: The interaction between the customer and system can be inappropriate if the interface is complicated to understand.

2. Readability Issues

Hypothesis: The positive contrast makes the layout hard to get and could be misleading whereas the color scheme of negative contrast increases the system's visibility.

Update Room Status

Guest ID:  

Room Number:

Availability:

Clean Status:

