



PPRD

Computer Science NEA

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Contents

Feedback	2
Design updates.....	4

Feedback

Fully describe the feedback you have received and identify any redesign you need to do to the system. You will have to do something!! You should consider the following

- Any restructured input/output
- Any additional tables or data structures
- Any additional process that you haven't designed previously.

Some features difficult to identify

During my presentation, my peers have identified an issue that was present throughout my Prototype. This issue was the lack of guidance when using the features of the system. In particular, an issue that was brought up was the difficulty of identifying the custom party size checkbox. This is very important for my system as it was one of my objectives to provide the user with a straightforward experience.

In order to fix this issue, I plan on adding text next to the features in order to give instructions to the user. These instructions must be easily read and understood to fully maximise the user's experience. In addition to this, I plan to increase the size of the buttons, checkboxes, etc. in order for the user to easily see these features.

Booking Cancellation Feature

Another feature that was not present in my prototype was the ability to cancel or alter bookings. This feature is vital for the performance of my system as staff members must be able to at least alter bookings as booking errors are inevitable. In addition to this, if a customer were to cancel a booking, the system should be able to remove the reservation and create space for upcoming bookings.

Overall, to add this feature into my system, I am going to add a feature which will give the user an option to either edit or cancel a booking once the user has double clicked the selected booking. If the user chooses to alter the booking, a screen similar to the alter menu item page will appear. The user will then be able to alter their booking details and confirm the changes. However, if the user chose to cancel the booking, a confirmation screen will appear which helps avoid any cancellations by mistake.

Overall Statistics of the Restaurant

Another issue that was brought up during my presentation was the lack of statistics displayed throughout my system. In particular, the distribution of both table booking and food sales. This feature would be useful particularly for the management as they determine what are the best and worst performing factors of their business. Due to this, I believe that this feature must be accurate as the whole restaurant and its stakeholders may be affected by the actions made due to this feature.

In order to add this feature into my system, I plan on adding another submenu onto the management page. This statistics page will display the rankings of the food sales, with sorting features. This will be displayed through the use of a table widget. Another feature of this page is that it will display the number of bookings and overall guests for a certain day. This feature will be displayed through the use of either a table or a graph.

Highlight Current Tab

In my prototype, at the top of the screen, there is a taskbar. However, once the user selects a tab, there is no confirmation that the tab has been selected except for the change in screen. This may cause confusion for the user as they may lose track of which tab they are on. In order to avoid this confusion, highlighting the current tab will be a useful feature.

This will be done by making the system run a function that will highlight the most recently pressed tab while unhighlighting the other tabs.

Link Number of Guests to the Tables

During the table selection page, the user can select tables based on the number of guests that they have identified on the previous pages. However, the system does not display the number of guests remaining to be seated while selecting the tables. This can be a useful feature for the staff as it allows the staff to effortlessly select the correct tables without having to do the math in their head. Overall, this feature will save time for staff during the booking process.

This feature will be implemented by outputting the number of guests initially chosen and taking away the selected tables capacity from the number of guests. This will be repeated until the remaining number of guests waiting to be seated is 0.

Full Screen Aspect Ratio

In order for the system to be used on a large variety of devices, the aspect ratio of the system is key. Therefore, in order to maximise the portability of the system, I would like to change the aspect ratio to fit most devices, which would be the standard 16:9 ratio. However, this will require me to alter the locations of my buttons, line edits, labels, etc. in order to fully use the space effectively. I plan on keeping the original design layout, while also trying to provide an improved visual aesthetic.

Design updates

Any change you have identified above must have a design update. Explain how these link with the feedback suggestions made.

You MUST have something in this section!!

Feedback Reference: Some features difficult to identify

Before

	Size		
list widget to select number of people		checkbox to indicate custom amount	spinbox to input custom amount of guests

After

	Size		
		Please select for custom party size <input type="checkbox"/> and enter party size below: <input type="text"/>	

Before

		Time	

← list widget to select booking time

After

		Time	

Please Select a Reservation Time:

Alterations made:

- Larger Checkboxes and Input fields
- Instructions to assist user with the features

Feedback Reference: Booking Cancellation Feature

After

First Name

Last Name

Email Address

Table Number

Date/Time

Cancel Booking

Alter Details

In this page, the booking details are automatically auto filled into the input fields. The user can then fill in the altered booking details. Once all of the details have been altered/filled, the user can then press the alter details button and the process will be complete. However if the user would like to cancel the booking, the user can press the cancel booking button which will cause a confirmation popup to appear. If the user presses confirm, the system will then continue to delete the booking.

Feedback Reference: Overall Statistics of the Restaurant

After

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Back

Sort By:

Item Name	Price	Category	Total Sales
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Back

Sort By:

Booking Date	Total Number of Reservations	Total Number of Guests	Total Revenue
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In these pages the user will be able to view the statistics of the restaurant. These details will be displayed through a table. The user can sort this information through the use of the combo box.

Once the user has specified how they would like to sort the table, a quicksort algorithm will be run.

This is the code:

Feedback Reference: Highlight Current Tab

Before

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Back

Sort By:

Item Name	Price	Category	Total Sales
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After

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Back

Sort By:

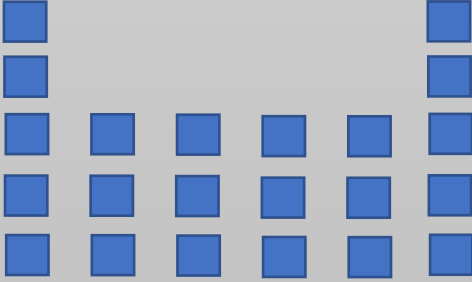
Item Name	Price	Category	Total Sales
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Alterations made:

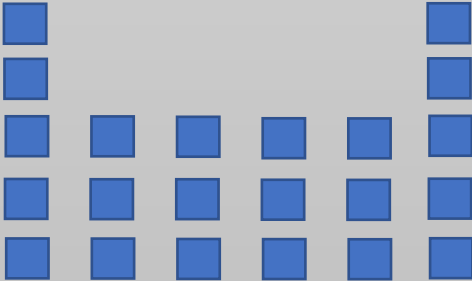
- Current tab in use is highlighted blue

Feedback Reference: Link Number of Guests to the Tables

Before

			Table
			

After

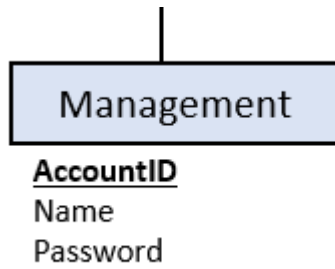
			Table
5 Guests Remaining out of 18			

Alterations made:

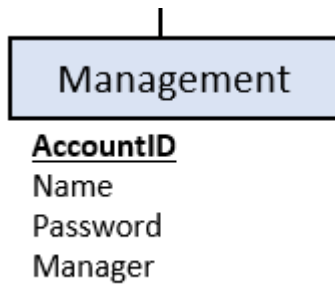
- Label added which will display how many guests left to be seated. This number will be updated as more tables are selected.

Database alterations to enable Different Access Levels

Before



After



Alterations made:

- In order for the system to grant different access levels, the system must be able to identify if a user has the authority or not. To fix this problem, I have added an extra field in the Management Table called 'Manager'. This will be of Boolean data type and will tell the user whether to give access or not.