

Project Manual – Opticians

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User Interface

Add Screens

(Mirella Glowinska)

Add screens consist of a side menu bar and a form in the centre. The title (h1) is positioned in the centre of the content at the top of the page.

The form has a top border with the colour #5A57FF and a width of 5px. It is outlined by a box shadow on the right and bottom. The form has a white background and 50 px padding. Every label and input are positioned after one another.

There are two buttons (add new supplier, reset) with background colour of #5A57FF, and white font colour, height of 30px, relative position, border-radius 5 px and margin bottom of 20px. The simple layout of add screens is clear and easy to use.

Delete Screens

(Dawid Pionk)

The sidebar takes up 280px of the left side of the screen. It then stretches for the entirety of the page lengthwise. There are several options displayed centred on the sidebar that let you access different menus. Each option on the sidebar has an icon associated with it. On the very top of the sidebar an image is loaded. The image contains the optician's logo. The sidebar has a background colour of #5A57FF which is a sort of dark blue.

At the top of the page there is a h1 element that stands in for a title. It is fixed at the centre of the page 60% from the left.

A paragraph element is displayed at the top of the page summarising the details of the selected entry. Its text is set to be aligned in the centre and appears after a user has selected an entry.

In the centre of the page there is a form that allows the user to select an entry to delete. The form has a padding of 50 pixels. Its background colour is set to white. The top of the form there is a small solid blue border with a curve on either side. There is a faint shadow under and to the right of the form. The forms position is also set to relative.

The first element from the top is a h4 text. It asks the user to select an entry to delete from a specific table.

The user selects an entry from a list box. Its height is set 30 pixels and its bottom margin to 10 pixels.

Under the list box there is a series of labels and input fields. The input boxes get filled in with the selected entries information. The input fields have a 5px margin above and below them. They are centred in the form as well.

There is a blue button at the bottom of the form that triggers a popup. The user then has the option to confirm the deletion through a popup. The text inside the button is of bold. The button has 5 and 10 pixels padding. The margin under the button is set to 20 pixels, to separate it from the edge of the form.

Arial is the main font used in the page, followed by Helvetica and sans-serif, if Arial is not available in the user's browser

[Amend/View Screens](#)

(Dawid Pionk)

The sidebar takes up 280px of the left side of the screen. It then stretches for the entirety of the page lengthwise. There are several options displayed centred on the sidebar that let you access different menus. Each option on the sidebar has an icon associated with it. On the very top of the sidebar an image is loaded. The image contains the optician's logo. The sidebar has a background colour of #5A57FF which is a sort of dark blue.

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The user selects an entry from a list box. Its height is set 30 pixels and its bottom margin to 10 pixels.

Under the list box there is a series of labels and input fields. The input boxes get filled in with the selected entries information. The input fields have a 5px margin above and below them. They are centred in the form as well.

There are 2 blue buttons at the bottom of the form. The lower one allows you to save your changes, after clicking it displays a popup that asks you to confirm your changes. The upper one locks and unlocks the input fields allowing user to change the details in the input fields. The text is also changed after clicking. Both buttons have their text set to bold and have a padding of 5 and 10 pixels. Also, their bottom margins are set to 20 pixels.

Arial is the main font used in the page, followed by Helvetica and sans-serif, if Arial is not available in the user's browser

Report Screens

(Douglas Kadzutu)

The main window has two vertical containers namely menu and main respectively. The menu is 280px wide and fills up the screen height at 100%. The Menu has a dark blue background whilst the main container has a light grey background. The menu has links that take the user to various website pages. The main container has an H1 element in the top center of the screen stating the title of the report. Under it is a table with which takes up 100% of the content width. The content under main main is 800px and the table is centred. The table headers have an Anti-Flash white background with bold font weight aligned to the left side. The table border is 1px.. Each second row in the table has a white background. The buttons are either dark blue or grey in colour depending on whether the button has been selected

Menus

(Sebastian Anderson)

The sidebar is 280 pixels wide and is displayed on the lefthand side of every screen, taking up the vertical width of the viewport. The background is the main dark blue colour of the site (#5A57FF). Like the rest of the site, it uses sans-serif fonts. The font with the highest priority is Arial, followed by Helvetica.

The site logo is situated at the top of the sidebar, centred. There should be some space around it to leave room between the logo and the top of the page, and between the logo and the sidebar buttons.

Each menu button spans the width of the sidebar, with padding of 15 pixels between the edges of the button and the text inside. The left padding is 60 pixels, to place the text in a more centred position while keeping it aligned. The entire button functions as a link to other pages, not just the text. When you hover your cursor over a button, the button's background colour changes from dark blue to light blue (#C2C0FF), and the text changes from white to dark blue. Each button contains an icon from fontawesome.com to the left of the menu item's name that visually represents the page it links to.

Clicking on some of these buttons will lead the user to submenus. This is the case with the following options:

- Spectacle Sales
- Eye Tests
- Stock Control
- File Maintenance

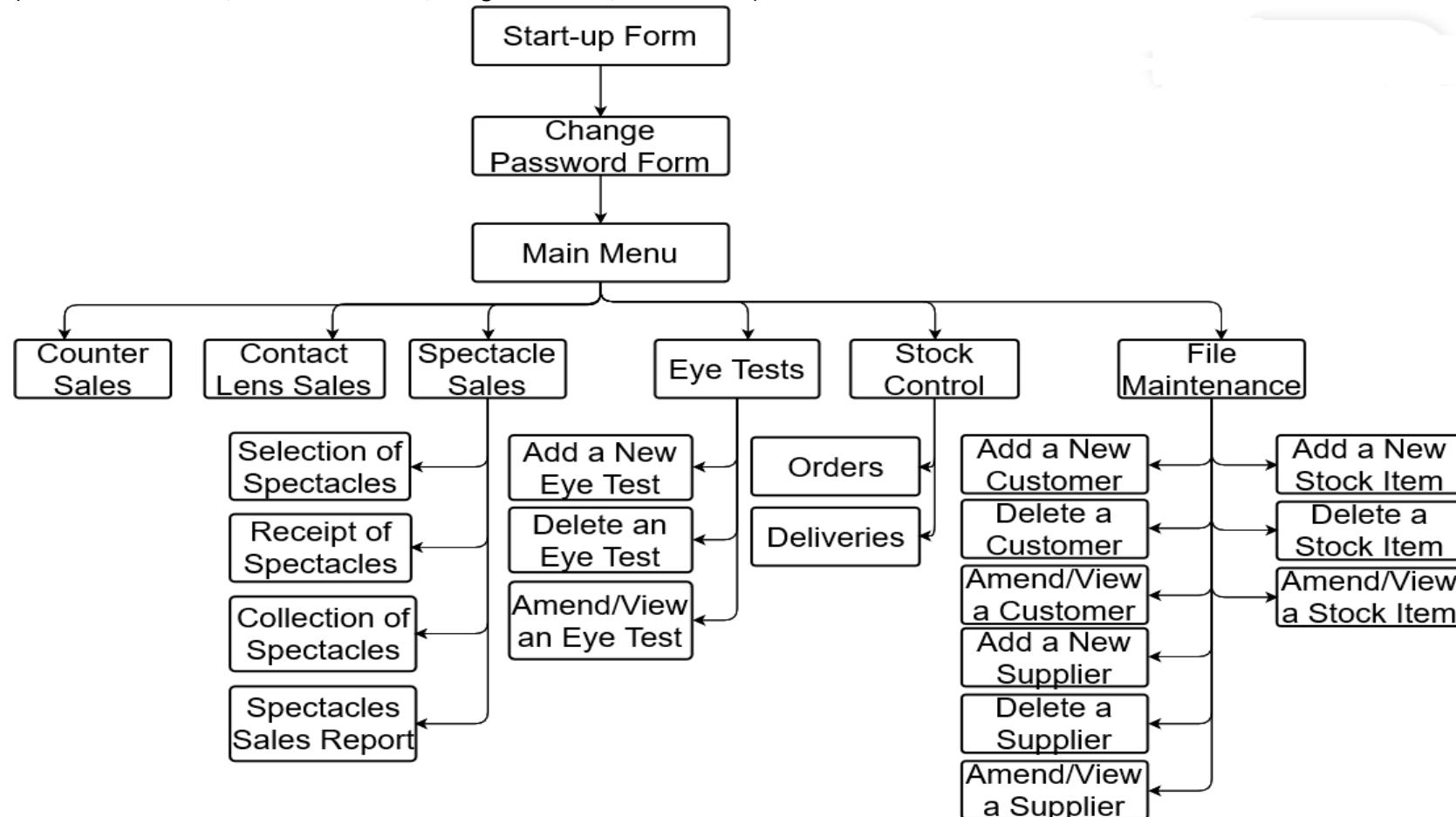
These submenus contain tables with rounded corners, a dark blue border of 5 pixels on the top, and a drop shadow to the right and left. The name of the page is displayed at the top as a centred h1 element. The table header describes the category of the links contained within and is displayed in the main dark blue colour of the site. It spans the width of the table. The links to other pages are contained in the second row and are shown in pink (#FF5789) to make them stand out as links.

There is a dark blue dashed border separating the table head from the row containing the links, and all text in the tables is centred.

The font size of every menu element is kept at its default value.

System Layout

(Sebastian Anderson, Mirella Glowinska, Douglas Kadzutu, Dawid Pionk)



Database Tables

Customer

Structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	customerId	int(11)			No	None		
2	firstname	varchar(20)	utf8_general_ci		No	None		
3	surname	varchar(20)	utf8_general_ci		No	None		
4	street	varchar(30)	utf8_general_ci		No	None		
5	town	varchar(30)	utf8_general_ci		No	None		
6	country	varchar(20)	utf8_general_ci		No	None		
7	dateOfBirth	date			No	None		
8	telephone	varchar(15)	utf8_general_ci		No	None		
9	deleted	tinyint(1)			No	None		

Contents

customerId	firstname	surname	street	town	country	dateOfBirth	telephone	deleted
1	Dawid	Pionk	81 Mansfield	Athy	Kildare	2001-02-10	0851661360	0
2	Nina	Nowak	2 Glebelands	Athy	Ireland	2004-02-12	0852631345	0
3	Peter	Murphy	21 OConnel	Galway	Ireland	2003-01-06	84212539583	0
4	Douglass	Kadzutus	51 College Greens	Carlows	Irelands	1993-07-01	0872980486	0

Eye_Test

Structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	eyeTestId 	int(11)			No	None		
2	leftEye	varchar(30)	utf8_general_ci		No	None		
3	rightEye	varchar(30)	utf8_general_ci		No	None		
4	date	date			Yes	NULL		
5	deleted	tinyint(1)			No	None		
6	customerId 	int(11)			No	None		

Contents

eyeTestId	leftEye	rightEye	date	deleted	customerId
1	2.25	2	2018-02-01	0	1
2	2.30	2.26	2023-02-01	0	1
3	4.21	4.55333	2023-02-07	1	2
4	2.3	-1.2	2023-02-04	1	1
5	1.1	1.5	2023-01-30	0	1
6	0.5	0.25	2023-01-06	1	1

Order

(Mirella Glowinska)

Structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	orderId	int(11) 			No	None		
2	date	date			No	None		
3	supplierId	int(11) 			No	None		
4	delivered	tinyint(1)			No	None		

Contents

+ Options					
	← T →	orderId	date	supplierId	delivered
<input type="checkbox"/>	  	0	2023-03-16	1	1
<input type="checkbox"/>	  	1	2020-01-01	2	1
<input type="checkbox"/>	  	2	2023-03-18	4	1
<input type="checkbox"/>	  	3	2023-03-18	4	1
<input type="checkbox"/>	  	4	2023-03-18	5	1
<input type="checkbox"/>	  	5	2023-03-18	4	1
<input type="checkbox"/>	  	6	2023-03-18	5	1
<input type="checkbox"/>	  	7	2023-03-18	4	1
<input type="checkbox"/>	  	8	2023-03-18	5	1
<input type="checkbox"/>	  	9	2023-03-18	2	1
<input type="checkbox"/>	  	10	2023-03-18	2	1
<input type="checkbox"/>	  	11	2023-03-19	2	0
<input type="checkbox"/>	  	12	2023-03-19	2	0
<input type="checkbox"/>	  	13	2023-03-19	2	0
<input type="checkbox"/>	  	14	2023-03-19	2	0
<input type="checkbox"/>	  	15	2023-03-19	2	0
<input type="checkbox"/>	  	16	2023-03-19	2	0
<input type="checkbox"/>	  	17	2023-03-19	2	0
<input type="checkbox"/>	  	18	2023-03-19	2	0
<input type="checkbox"/>	  	19	2023-03-19	1	0
<input type="checkbox"/>	  	20	2023-03-19	2	0
<input type="checkbox"/>	  	21	2023-03-19	5	0
<input type="checkbox"/>	  	22	2023-03-19	5	0
<input type="checkbox"/>	  	23	2023-03-19	2	0
<input type="checkbox"/>	  	24	2023-03-19	2	0

Order_Item

(Mirella Glowinska)

Structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	orderId	int(11)			No	None		
2	stockId	int(11)			No	None		
3	quantity	int(11)			No	None		

Contents

+ Options

orderId	stockId	quantity
3	9	1
4	8	1
5	9	1
6	8	1
7	9	1
8	8	1
9	4	1
10	4	1
11	4	50
11	7	60
12	4	50
12	7	60
13	4	50
13	7	60
14	4	50
14	7	60
15	4	50
15	7	60
16	4	50
16	7	60
17	4	1
18	4	1
19	2	1
20	4	80
21	8	100

Password

(Sebastian Anderson)

Structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	userLogin	varchar(30)	utf8_general_ci		No	None		
2	password	varchar(16)	utf8_general_ci		No	None		
3	name	varchar(30)	utf8_general_ci		No	None		

Contents

userLogin	password	name
JoeBloggs1974	CarFan2000	Joe Bloggs
JohnDoe1980	ILikeCats64#	John Doe
MarySmith1995	7BD95s@&5S9i	Mary Smith

Sale

Structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	saleId	int(11)			No	None		
2	date	date			No	None		
3	totalCost	decimal(10,2)			No	None		

Contents

saleId	date	totalCost
1	2023-03-01	100.00
2	2023-03-01	1.00
3	2023-03-01	1.00
4	2023-03-01	1.00
5	2023-03-01	2.00

Sales_Item

Structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	specSalesId	int(11)			Yes	NULL	When field has a value the salesId should be null	
2	salesId	int(11)			No	None	When field has a value the specSalesId should be null	
3	stockId	int(11)			No	None		
4	quantity	int(11)			No	None		

Contents

specSalesId When field has a value the salesId should be null	salesId When field has a value the specSalesId should be n...	stockId	quantity
NULL		1	11
NULL		1	4
NULL		1	3
NULL		1	12
NULL		22	4
NULL		23	1666
NULL		24	1
NULL		25	1

Spectacles_Sale

(Douglas Kadzutu)

Structure

Table structure										
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action	
1	saleId	int(11)			No	None			Change Drop More	
2	customerId	int(11)			No	None			Change Drop More	
3	eyeTestId	int(11)			No	None			Change Drop More	
4	lensMaterial	varchar(30)	utf8_general_ci		No	None			Change Drop More	
5	uvFilter	tinyint(1)			No	None			Change Drop More	
6	scratchCoating	tinyint(1)			No	None			Change Drop More	
7	dateOrdered	date			No	None			Change Drop More	
8	dateReceived	date			No	None			Change Drop More	
9	totalCost	decimal(10,2)			No	None			Change Drop More	
10	remainingBalance	decimal(10,2)			No	None			Change Drop More	
11	collected	tinyint(1)			No	None			Change Drop More	

Contents

Showing rows 0 - 7 (8 total, Query took 0.0006 seconds.)																																																																																																													
<code>SELECT * FROM `Spectacles_Sale`</code>																																																																																																													
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+ Options <table border="1"> <thead> <tr> <th></th> <th>saleId</th> <th>customerId</th> <th>eyeTestId</th> <th>lensMaterial</th> <th>uvFilter</th> <th>scratchCoating</th> <th>dateOrdered</th> <th>dateReceived</th> <th>totalCost</th> <th>remainingBalance</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td><td>Edit Copy Delete</td><td>1</td><td>1</td><td>23</td><td>glass</td><td>0</td><td>1</td><td>2023-03-18</td><td>0000-00-00</td><td>1</td></tr> <tr> <td><input type="checkbox"/></td><td>Edit Copy Delete</td><td>2</td><td>2</td><td>33</td><td>plastic</td><td>1</td><td>0</td><td>2023-03-18</td><td>0000-00-00</td><td>1</td></tr> <tr> <td><input type="checkbox"/></td><td>Edit Copy Delete</td><td>3</td><td>1</td><td>23</td><td>plastic</td><td>0</td><td>0</td><td>2023-03-18</td><td>0000-00-00</td><td>1</td></tr> <tr> <td><input type="checkbox"/></td><td>Edit Copy Delete</td><td>4</td><td>3</td><td>19</td><td>glass</td><td>1</td><td>0</td><td>2023-03-18</td><td>0000-00-00</td><td>4</td></tr> <tr> <td><input type="checkbox"/></td><td>Edit Copy Delete</td><td>5</td><td>3</td><td>19</td><td>plastic</td><td>1</td><td>0</td><td>2023-03-18</td><td>0000-00-00</td><td>1</td></tr> <tr> <td><input type="checkbox"/></td><td>Edit Copy Delete</td><td>6</td><td>1</td><td>23</td><td>plastic</td><td>1</td><td>0</td><td>2023-03-18</td><td>0000-00-00</td><td>1</td></tr> <tr> <td><input type="checkbox"/></td><td>Edit Copy Delete</td><td>7</td><td>2</td><td>33</td><td>glass</td><td>1</td><td>1</td><td>2023-03-18</td><td>0000-00-00</td><td>1</td></tr> <tr> <td><input type="checkbox"/></td><td>Edit Copy Delete</td><td>8</td><td>1</td><td>23</td><td>plastic</td><td>0</td><td>0</td><td>2023-03-18</td><td>0000-00-00</td><td>1</td></tr> </tbody> </table>												saleId	customerId	eyeTestId	lensMaterial	uvFilter	scratchCoating	dateOrdered	dateReceived	totalCost	remainingBalance	<input type="checkbox"/>	Edit Copy Delete	1	1	23	glass	0	1	2023-03-18	0000-00-00	1	<input type="checkbox"/>	Edit Copy Delete	2	2	33	plastic	1	0	2023-03-18	0000-00-00	1	<input type="checkbox"/>	Edit Copy Delete	3	1	23	plastic	0	0	2023-03-18	0000-00-00	1	<input type="checkbox"/>	Edit Copy Delete	4	3	19	glass	1	0	2023-03-18	0000-00-00	4	<input type="checkbox"/>	Edit Copy Delete	5	3	19	plastic	1	0	2023-03-18	0000-00-00	1	<input type="checkbox"/>	Edit Copy Delete	6	1	23	plastic	1	0	2023-03-18	0000-00-00	1	<input type="checkbox"/>	Edit Copy Delete	7	2	33	glass	1	1	2023-03-18	0000-00-00	1	<input type="checkbox"/>	Edit Copy Delete	8	1	23	plastic	0	0	2023-03-18	0000-00-00	1
	saleId	customerId	eyeTestId	lensMaterial	uvFilter	scratchCoating	dateOrdered	dateReceived	totalCost	remainingBalance																																																																																																			
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<input type="checkbox"/>	Edit Copy Delete	8	1	23	plastic	0	0	2023-03-18	0000-00-00	1																																																																																																			
<input type="checkbox"/> Check all With selected: Edit Copy Delete Export																																																																																																													

Stock

(Sebastian Anderson)

Structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	stockId 	int(11)			No	None		
2	description	varchar(50)	utf8_general_ci		No	None		
3	category	varchar(30)	utf8_general_ci		No	None		
4	costPrice	decimal(10,2)			No	None		
5	retailPrice	decimal(10,2)			No	None		
6	quantityInStock	int(11)			No	None		
7	reorderQuantity	int(11)			No	None		
8	supplierId 	int(11)			No	None		
9	deleted	tinyint(1)			No	None		

Contents

stockId	description	category	costPrice	retailPrice	quantityInStock	reorderQuantity	supplierId	deleted
2	€3.25 strength: 30 days supply	Contact Lenses	30.00	40.00	30	10	1	0
4	€3 strength: 60 days supply	Contact Lenses	40.00	50.00	10	10	2	0
5	Yellow Glasses Case	Other	40.00	50.00	50	20	4	0
6	€1 strength: 120 days supply	Contact Lenses	40.50	50.00	0	5	3	1
7	Red Square Frames	Frames	40.00	40.00	20	10	2	0
8	Lens Cleaner	Other	10.00	12.25	0	10	5	0
9	Blue Round Frames	Frames	50.00	55.45	29	10	4	0
10	Blue Square Frames	Frames	60.00	75.25	0	15	4	1
11	Red Glasses Case	Other	20.00	25.25	0	10	1	1
12	Green Glasses Case	Other	14.20	15.20	27	10	1	0

Supplier (Mirella Glowinska)

Structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	supplierId 	int(11)			No	None		AUTO_INCREMENT
2	name	varchar(30)	utf8_general_ci		No	None		
3	street	varchar(50)	utf8_general_ci		No	None		
4	town	varchar(30)	utf8_general_ci		No	None		
5	country	varchar(30)	utf8_general_ci		No	None		
6	email 	varchar(50)	utf8_general_ci		No	None		
7	website	varchar(30)	utf8_general_ci		No	None		
8	telephone	varchar(15)	utf8_general_ci		No	None		
9	deleted	tinyint(1)			No	None		

Contents

supplierId	name	street	town	country	email	website	telephone	deleted
1	Penelope Davey	Dublin	carlow	Ireland	Penelope@gmail.com	https://Penelope.com	908 344	0
2	Adam Adams	Dublin Street	Dublin	Ireland	adam@gmail.com	https://Glasses.com	123 567 7889	0
3	Christopher davey	Willow Street	Galway	Ireland	TheBestGlasses@gmail.com	https://ChristopherTheBestGlas	123 567 7878	0
4	Monica Kelly	Carlow Street	Kilkenny	Ireland	monicakelly@gmail.com	https://MonicaKelly.ie	(234) 343 445	0
5	Kelly Comerford	Potato Street	Galway	Ireland	kelly@gmail.com	https://KellyComerford.com	111 1111 1111	0

Group Work

Main Menu

The screenshot shows a web-based application interface. On the left, there is a vertical sidebar with a dark blue background and white text. The sidebar is titled "Optician" at the top. Below the title, there are several menu items, each with an icon and text: "Dashboard" (house icon), "Counter Sales" (cash register icon), "Contact Lens Sales" (eye icon), "Spectacle Sales" (spectacles icon), "Eye Tests" (stethoscope icon), "Stock Control" (bar chart icon), and "File Maintenance" (file folder icon). At the bottom of the sidebar is a "Quit" button with a right-pointing arrow icon.

The main content area has a light gray header bar with a search input field and a "search" button. The header bar also contains the word "Dashboard". Below the header, there is a welcome message: "Welcome back, Name.". Underneath this, there are three sections, each containing a table with two rows. The first section is labeled "Table" and has two rows of two columns each. The second section is also labeled "Table" and has two rows of two columns each. The third section is labeled "Table" and has two rows of two columns each. Each row in the tables has a "Field" column and a "Details" column. In the middle of the page, there is a large amount of placeholder text: "Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum." Below this, there is another block of placeholder text: "Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum." A scroll bar is visible on the right side of the main content area.

index.php

```
1  <!--
2      NAME OF SCREEN: Dashboard
3      PURPOSE OF SCREEN: Front page of web application
4      STUDENT ID: C00276123, C00275764, C00290922, C00273530
5      STUDENT NAME: Sebastian Anderson, Mirella Glowinska, Douglas Kadzutu, Dawid
6          Pionk
7      DATE WRITTEN: 01/2023
8  -->
9  <!DOCTYPE html>
10 <html>
11 <head>
12     <meta charset="utf-8">
13     <meta name="viewport" content="width=device-width, initial-scale=1">
14     <!-- use icons from fontawesome -->
15     <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></script>
16     <link rel="stylesheet" type="text/css" href="styles.css">
17     <title>Optician Dashboard</title>
18 </head>
19 <body>
20     <div class="container">
21         <?php include "sidebar.html" ?>
22         <div id="content">
23             <div id="topbar">
24                 <!-- This searchbar has no functionality -->
25                 <form class="searchform">
26                     <input type="text" name="searchbar">
27                     <input type="submit" name="search" value="search">
28                 </form>
29             </div>
30             <div class="main">
31                 <div id="top">
32                     <h1>Dashboard</h1>
33                     <h3>Welcome back, Name.</h3>
34                 </div>
35                 <!-- Placeholder information to give the impression of a populated page.
36                 In an actual running version of this, there would probably be a quick
37                 overview of database information. -->
38                 <table>
39                     <tr>
40                         <th colspan="6" class="tablehead"><a href="" class="tablename">Table</a></th>
41                     </tr>
42                 </table>
43             </div>
44         </div>
45     </div>
46 </body>
```

```
39      <tr>
40          <th>Field</th>
41          <td>Details</td>
42          <th>Field</th>
43          <td>Details</td>
44          <th>Field</th>
45          <td>Details</td>
46      </tr>
47      <tr>
48          <th>Field</th>
49          <td>Details</td>
50          <th>Field</th>
51          <td>Details</td>
52          <th>Field</th>
53          <td>Details</td>
54      </tr>
55  </table>
56  <table>
57      <tr>
58          <th colspan="6" class="tablehead"><a href="">
59              class="tablename">Table</a></th>
60      </tr>
61      <tr>
62          <th>Field</th>
63          <td>Details</td>
64          <th>Field</th>
65          <td>Details</td>
66          <th>Field</th>
67          <td>Details</td>
68      </tr>
69      <tr>
70          <th>Field</th>
71          <td>Details</td>
72          <th>Field</th>
73          <td>Details</td>
74          <th>Field</th>
75          <td>Details</td>
76  </tr>

```

```

77     <table>
78         <tr>
79             <th colspan="6" class="tablehead"><a href="">
80                 class="tablename">Table</a></th>
81         </tr>
82         <tr>
83             <th>Field</th>
84             <td>Details</td>
85             <th>Field</th>
86             <td>Details</td>
87             <th>Field</th>
88             <td>Details</td>
89         </tr>
90         <tr>
91             <th>Field</th>
92             <td>Details</td>
93             <th>Field</th>
94             <td>Details</td>
95             <th>Field</th>
96             <td>Details</td>
97         </tr>
98     </table>
99
100    <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod
101        tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim
102        veniam,
103        quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo
104        consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse
105        cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat
106        non
107        proident, sunt in culpa qui officia deserunt mollit anim id est laborum.</
108        p>
109    <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod
110        tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim
111        veniam,
112        quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo
113        consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse
114        cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat
115        non
116        proident, sunt in culpa qui officia deserunt mollit anim id est laborum.</
117        p>
118    </div>
119 </div>
120 </body>
121 </html>

```

sidebar.html

```
1  <!--
2      NAME OF SCREEN: Sidebar
3      PURPOSE OF SCREEN: Sidebar that appears on every page of the website
4      STUDENT ID: C00276123, C00275764, C00290922, C00273530
5      STUDENT NAME: Sebastian Anderson, Mirella Glowinska, Douglas Kadzutu, Dawid
6          Pionk
7      DATE WRITTEN: 01/2023
8  -->
9  <div id="sidebar">
10     <div id="logo">
11         
12     </div>
13     <a href="/index.php" class="sidebar_button">
14         <!-- each i element in the sidebar uses fontawesome classes. these classes add
15             icons depending on class name, and are exclusively visual, providing no
16             functionality -->
17         <div><i class="fa-solid fa-house"></i> Dashboard</div>
18     </a>
19     <a href="/Sebastian/countersales/countersales.html.php" class="sidebar_button">
20         <div><i class="fa-solid fa-cash-register"></i> Counter Sales</div>
21     </a>
22     <a href="/A.Dawid/04.ContactLensesSales/ContactLensesSales.html.php"
23         class="sidebar_button">
24         <div><i class="fa-solid fa-cash-register"></i> Contact Lens Sales</div>
25     </a>
26     <a href="/spectaclesales.php" class="sidebar_button">
27         <div><i class="fa-solid fa-cash-register"></i> Spectacle Sales</div>
28     </a>
29     <a href="/eyetests.php" class="sidebar_button">
30         <div><i class="fa-solid fa-glasses"></i> Eye Tests</div>
31     </a>
32     <a href="/stockcontrol.php" class="sidebar_button">
33         <div><i class="fa-solid fa-boxes-stacked"></i> Stock Control</div>
34     </a>
35     <a href="/filemaintenance.php" class="sidebar_button">
36         <div><i class="fa-solid fa-file"></i> File Maintenance</div>
37     </a>
38     <a href="#" class="sidebar_button" id="quit" onclick="unassignedScreen()">
39         <div><i class="fa-solid fa-right-from-bracket"></i> Quit</div>
40     </a>
41 </div>
42 <script>
43     //called when links are clicked on for screens that were not assigned
44     function unassignedScreen(){
45         alert("This screen was not assigned to anyone.");
46     }
47 </script>
```

styles.css

```
1  /*
2   * GENERAL CSS
3   * STUDENT ID:      C00276123, C00275764, C00290922, C00273530
4   * STUDENT NAME:    Sebastian Anderson, Mirella Glowinska, Douglas Kadzutu, Dawid
5   * Pionk
6   * DATE WRITTEN:   01/2023
7   */
8   {
9     box-sizing: border-box;
10    font-family: Arial, Helvetica, sans-serif;
11  }
12 body{
13   margin: 0px; /* remove margin so there are no weird gaps at the edge of the page */
14   background: #FAF9FF; /* light grey*/
15   padding: 0px;
16   height: 100vh;
17 }
18
19 table{
20   margin-top: 10px;
21   border-radius: 5px;
22   width: 100%;
23   border-style: none;
24   border-top-style: solid;
25   border-width: 5px;
26   border-color: #5A57FF;
27   background-color:#white;
28   box-shadow: 2.5px 2.5px 2.5px 1px #rgba(0, 0, 0, 0.1);
29 }
30
31 #topbar{
32   padding: 10px;
33   margin: 0;
34   width: 100%;
35   height: 50px;
36   background: #D9D9D9; /* grey */
37 }
38
39 .searchform{
40   float: right;
41 }
42
```

```
43  a{
44  |   color: #FF5789; /* pink */
45  |   text-decoration: none;
46  }
47
48 a:hover{
49 |   text-decoration: underline;
50 }
51
52 .tablehead{
53 |   border-bottom: dashed 1px #5A57FF; /* blue */
54 |   color: #5A57FF; /* blue */
55 }
56
57 td, th{
58 |   padding: 10px;
59 }
60
```

```
61  h1{  
62  |   margin-top: 0;  
63  |   text-align: center;  
64  }  
65  
66  h3{  
67  |   color: #grey;  
68  }  
69  
70  .container {  
71  |   display: flex;  
72  }  
73  
74  #content{  
75  |   height: 100vh;  
76  |   width: 100vw;  
77  |   overflow: scroll;  
78  }  
79  
80  .main{  
81  |   padding: 20px;  
82  }  
83  
84  #sidebar{  
85  |   width: 280px;  
86  |   height: 100vh; /* sidebar is 100% of the browser's vertical height */  
87  |   background: #5A57FF; /* blue */  
88  |   position: relative;  
89  }  
90  
91  #logo{  
92  |   margin: 30px;  
93  |   text-align: center;  
94  }  
95  
96  /* set the size of the sidebar buttons */  
97  .sidebar_button div{  
98  |   background: #5A57FF; /* blue */  
99  |   padding: 15px;  
100 |   padding-left: 60px;  
101 |   width: 280px;  
102 }
```

```
103
104 /* change sidebar button colour when hovering over with mouse */
105 .sidebar_button div:hover{
106     background: #C2C0FF; /* light blue */
107 }
108
109 /* sidebar button links are white with no underline */
110 .sidebar_button{
111     color: white;
112     text-decoration: none;
113 }
114
115 /* sidebar button links change to blue when hovering */
116 .sidebar_button:hover{
117     color: #5A57FF; /* blue */
118     text-decoration: none;
119 }
120
121
122 /* quit button is forced to the bottom-left of the page */
123 #quit{
124     position: absolute;
125     bottom: 0;
126     left: 0;
127 }
128
129 /*Sets the layout for the tables*/
130 .tables{
131     width: 80%;
132     text-align: center;
133     margin: 10px auto;
134 }
135 .forms{
136     text-align: center;
137 }
138 #listboxContainer{
139     text-align: center;
140 }
141
142 #submitButton{
143     margin: 10px auto;
144 }
145 #shoppingCartContainer{
146     text-align: center;
147 }
```

Spectacle Sales

The screenshot shows the Optician software interface. On the left is a vertical sidebar with a blue background and white text, containing the following menu items:

- Dashboard
- Counter Sales
- Contact Lens Sales
- Spectacle Sales** (highlighted with a pink background)
- Eye Tests
- Stock Control
- File Maintenance

At the bottom of the sidebar is a "Quit" button. To the right of the sidebar is a main content area with a white background and a blue header bar. The header bar contains the title "Spectacle Sales". Below the header is a horizontal line and a row of four buttons:

Spectacle Sales	Selection of Spectacles	Receipt of Spectacles	Collection of Spectacles	Spectacle Sales Report
------------------------	-------------------------	-----------------------	--------------------------	------------------------

spectaclesales.php

```
1  <!--
2   | NAME OF SCREEN: Spectacle Sales
3   | PURPOSE OF SCREEN: Spectacle sales menu
4   | STUDENT ID: C00290922
5   | STUDENT NAME: Douglas Kadzutu
6   | DATE WRITTEN: 03/2023
7  -->
8  <!DOCTYPE html>
9  <html>
10 <head>
11  | <meta charset="utf-8">
12  | <meta name="viewport" content="width=device-width, initial-scale=1">
13  | <!-- use icons from fontawesome -->
14  | <script src="https://kit.fontawesome.com/e9ccd8bcf3.js" crossorigin="anonymous"></script>
15  | <link rel="stylesheet" type="text/css" href="/styles.css">
16  | <title>Spectacle Sales</title>
17 </head>
18 <body>
19 <div class="container">
20  | <?php include "sidebar.html" ?>
21 <div id="content">
22  | <div class="main">
23  |  | <div id="top">
24  |  |  | <h1>Spectacle Sales</h1>
25  |  | </div>
26  |  | <table>
27  |  |  | <tr>
28  |  |  |  | <th colspan="4" class="tablehead">Spectacle Sales</th>
29  |  |  | </tr>
30  |  |  | <tr>
31  |  |  |  | <th><a href="/Douglas/optician/spectacle_sale.php">Selection of
32  |  |  |  | Spectacles</a></th>
33  |  |  |  | <th><a href="">Receipt of Spectacles</a></th>
34  |  |  |  | <th><a href="">Collection of Spectacles</a></th>
35  |  |  |  | <th><a href="/Douglas/optician/spectacle_sale_report.php">Spectacle Sales
36  |  |  |  | Report</a></th>
37  |  |  | </tr>
38  |  | </table>
39 </div>
40 </body>
41 </html>
```

Eye Tests

The screenshot shows the Optician software interface. On the left is a blue sidebar menu with the following items:

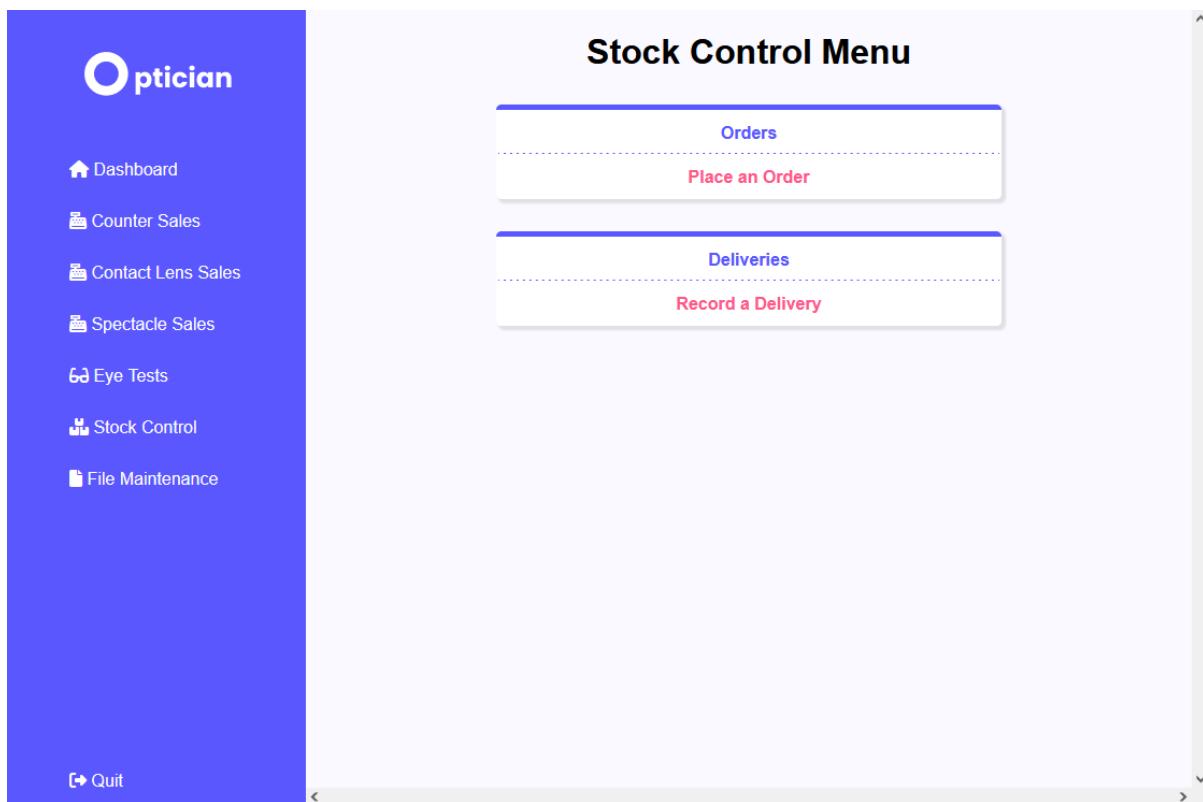
- Dashboard
- Counter Sales
- Contact Lens Sales
- Spectacle Sales
- Eye Tests** (highlighted in red)
- Stock Control
- File Maintenance

At the bottom of the sidebar is a 'Quit' button. The main area has a white background with a title 'Eye Tests' at the top. Below the title is a horizontal bar with three buttons: 'Eye Tests' (highlighted in red), 'Add a New Eye Test' (highlighted in red), 'Delete an Eye Test' (highlighted in red), and 'Amend/View an Eye Test' (highlighted in red). A vertical scroll bar is visible on the right side of the main area.

eyetests.php

```
1  <!--
2      NAME OF SCREEN:    Eye Tests
3      PURPOSE OF SCREEN: Menu screen leading to eye test
4      STUDENT ID:        C00273530
5      STUDENT NAME:      Dawid Pionk
6      DATE WRITTEN:     03/2023
7  -->
8  <!DOCTYPE html>
9  <html>
10 <head>
11     <meta charset="utf-8">
12     <meta name="viewport" content="width=device-width, initial-scale=1">
13     <!-- use icons from fontawesome -->
14     <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></
15     script>
16     <link rel="stylesheet" type="text/css" href="/styles.css">
17     <title>Eye Tests</title>
18 </head>
19 <body>
20     <div class="container">
21         <?php include "sidebar.html" ?>
22         <div id="content">
23             <div class="main">
24                 <div id="top">
25                     <h1>Eye Tests</h1>
26                 </div>
27                 <table>
28                     <tr>
29                         <th colspan="3" class="tablehead">Eye Tests</th>
30                     </tr>
31                     <tr>
32                         <th><a href="/A.Dawid/01.AddEyeTest/chooseCustomer.html.
33                             php">Add a New Eye Test</a></th>
34                         <th><a href="/A.Dawid/02.DeleteEyeTest/DeleteEyeTest.html.
35                             php">Delete an Eye Test</a></th>
36                         <th><a href="/A.Dawid/03.AmendViewEyeTest/AmendEyeTest.html.
37                             php">Amend/View an Eye Test</a></th>
38                     </tr>
39                 </table>
40             </div>
41         </div>
42     </body>
43 </html>
```

Stock Control Menu



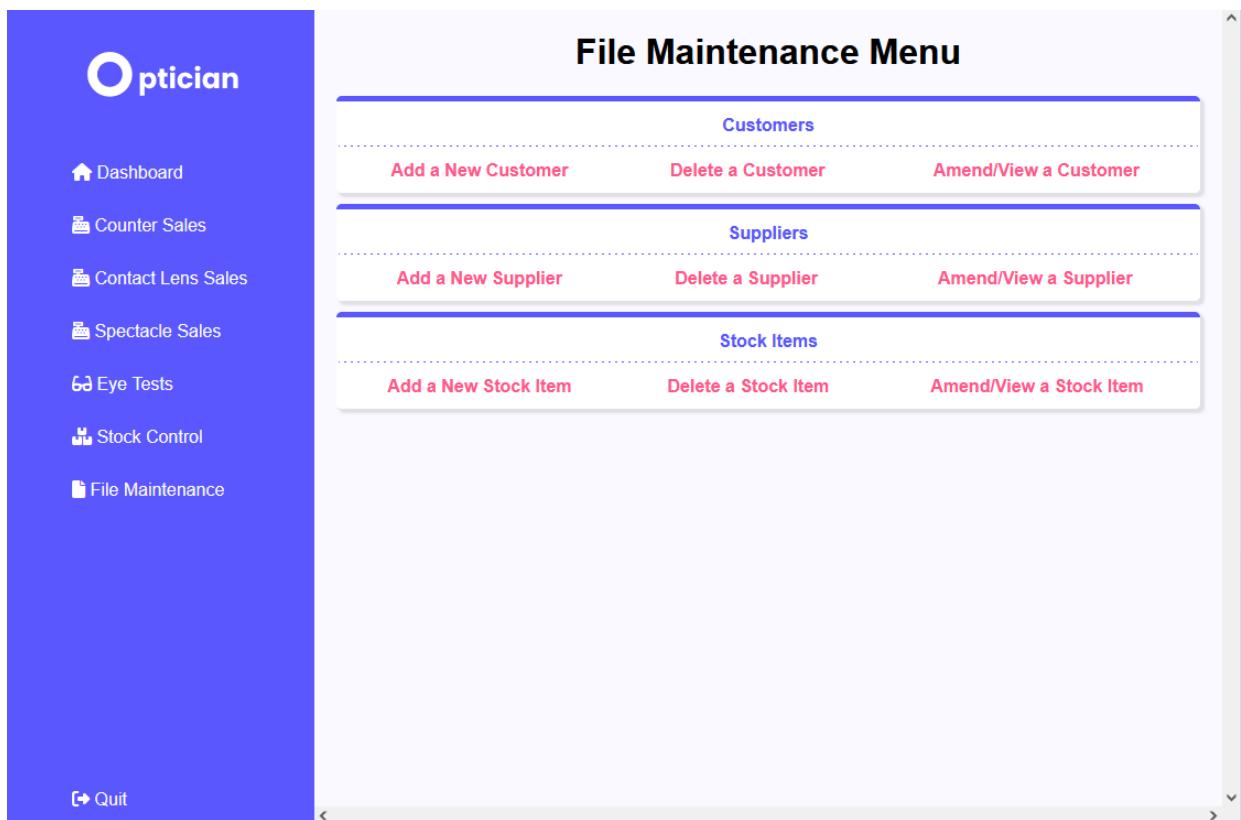
stockcontrol.php

```
1  
8  <!DOCTYPE html>
9  <html>
10 <head>
11     <meta charset="utf-8">
12     <meta name="viewport" content="width=device-width, initial-scale=1">
13     <!-- use icons from fontawesome -->
14     <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></script>
15     <link rel="stylesheet" type="text/css" href="styles.css">
16     <link rel="stylesheet" type="text/css" href="stockstyle.css">
17     <title>Stock Control Menu</title>
18 </head>
19 <body>
20     <div class="container">
21         <?php include "sidebar.html" ?>
22         <div id="content">
23             <div class="main">
24                 <div id="top">
25                     <h1>Stock Control Menu</h1>
26                 </div>
27                 <table>
28                     <tr>
29                         <th class="tablehead">Orders</th>
30                     </tr>
31                     <tr>
32                         <th><a href="/Mirella/Orders.php">Place an Order</a></th>
33                     </tr>
34                 </table>
35                 <table>
36                     <tr>
37                         <th class="tablehead">Deliveries</th>
38                     </tr>
39                     <tr>
40                         <th><a href="" onclick="unassignedScreen()">Record a Delivery</a></th>
41                     </tr>
42                 </table>
43             </div>
44         </div>
45     </body>
46 </html>
```

stockstyle.css

```
1  /*
2   | Stock Style CSS
3   | STUDENT ID:          C00275764
4   | STUDENT NAME:        Mirella Glowinska
5   | DATE WRITTEN:       03/2023
6  */
7
8  table{
9    width: 60%;
10   margin:auto;
11   margin-bottom:30px;
12   margin-top: 30px;
13 }
```

File Maintenance Menu



filemaintenance.php

```
1  <!--
2   NAME OF SCREEN:      File Maintenance Menu
3   PURPOSE OF SCREEN:  Links to customer, supplier and stock item screens
4   STUDENT ID:          C00276123, C00275764, C00290922
5   STUDENT NAME:        Sebastian Anderson, Mirella Glowinska, Douglas Kadzutu
6   DATE WRITTEN:       03/2023
7  -->
8  <!DOCTYPE html>
9  <html>
10 <head>
11   <meta charset="utf-8">
12   <meta name="viewport" content="width=device-width, initial-scale=1">
13   <!-- use icons from fontawesome -->
14   <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></script>
15   <link rel="stylesheet" type="text/css" href="/styles.css">
16   <title>File Maintenance Menu</title>
17 </head>
18 <body>
19   <div class="container">
20     <?php include "sidebar.html" ?>
21     <div id="content">
22       <div class="main">
23         <div id="top">
24           <h1>File Maintenance Menu</h1>
25         </div>
26         <table>
27           <tr>
28             <th colspan="3" class="tablehead">Customers</th>
29           </tr>
30           <tr>
31             <th><a href="/Douglas/optician/add_customer.php">Add a New Customer</a></th>
32             <th><a href="/Douglas/optician/delete_customer.php">Delete a Customer</a></th>
33             <th><a href="/Douglas/optician/customer.php">Amend/View a Customer</a></th>
34           </tr>
35         </table>
36       <table>
37         <tr>
38           <th colspan="3" class="tablehead">Suppliers</th>
39         </tr>
40         <tr>
41           <th><a href="/Mirella/AddSupplier.php">Add a New Supplier</a></th>
42           <th><a href="/Mirella/Delete.html.php">Delete a Supplier</a></th>
43           <th><a href="/Mirella/AmendView.html.php">Amend/View a Supplier</a></th>
44         </tr>
45       </table>
46       <table>
47         <tr>
48           <th colspan="3" class="tablehead">Stock Items</th>
49         </tr>
50         <tr>
51           <th><a href="/sebastian/stockitems/add.html.php">Add a New Stock Item</a></th>
52           <th><a href="/Sebastian/stockitems/delete.html.php">Delete a Stock Item</a></th>
53           <th><a href="/Sebastian/stockitems/amendview.html.php">Amend/View a Stock Item</a></th>
54         </tr>
55       </table>
56     </div>
57   </div>
58 </body>
59 </html>
```

Sebastian Anderson

Add Stock Item

The screenshot shows the Optician software interface. On the left is a blue sidebar menu with the title 'Optician' and icons for various functions: Dashboard, Counter Sales, Contact Lens Sales, Spectacle Sales, Eye Tests, Stock Control, File Maintenance, and a 'Quit' option at the bottom.

The main area is titled 'Add a Stock Item'. It contains a form with the following fields:

- Description: A text input field labeled 'Description'.
- Category: A dropdown menu currently set to 'Frames'.
- Cost Price: A text input field labeled 'Cost Price'.
- Retail Price: A text input field labeled 'Retail Price'.
- Quantity in Stock: A dropdown menu labeled 'Quantity in Stock'.
- Reorder Quantity: A dropdown menu labeled 'Reorder Quantity'.
- Supplier: A dropdown menu labeled 'Supplier' with 'No Supplier' selected.

At the bottom of the form are two buttons: 'Submit' and 'Reset'.

/Sebastian/stockitems/add.html.php

```
1  <!--
2      NAME OF SCREEN:      Add Stock Item (Front End)
3      PURPOSE OF SCREEN:  Allows the user to add a Stock item.
4      STUDENT ID:          C00276123
5      STUDENT NAME:        Sebastian Anderson
6      DATE WRITTEN:       03/2023
7  -->
8  <!DOCTYPE html>
9  <html>
10 <head>
11     <meta charset="utf-8">
12     <meta name="viewport" content="width=device-width, initial-scale=1">
13     <!-- use icons from fontawesome -->
14     <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></script>
15     <link rel="stylesheet" type="text/css" href="../../styles.css">
16     <link rel="stylesheet" type="text/css" href="../screenstyles.css">
17     <title>Add a Stock Item</title>
18     <script>
19         // ask the user if they are sure they want to add the item
20         function confirmadd(){
21             var response;
22             response = confirm("Are you sure you want to add this item?");
23             if(response){
24                 return true;
25             }
26             else{
27                 return false;
28             }
29         }
30     </script>
31 </head>
32 <body>
33     <div class="container">
34         <?php include "../../sidebar.html" ?>
35         <div id="content">
36             <div class="main">
37                 <div id="top">
38                     <h1>Add a Stock Item</h1>
39                 </div>
40                 <!-- only submit form if user confirms add -->
41                 <form action="add.php" method="post" onsubmit="return confirmadd()">
42                     <div class="inputbox">
43                         <label for="description">Description</label><br>
44                         <input type="text" name="description" id="description"
placeholder="Description" pattern="[^,]+[.][^,]{2}" title="Commas are
disallowed" required>
45                     </div>
46                     <div class="inputbox">
47                         <label for="category">Category</label><br>
48                         <select name="category" id="category">
49                             <option value="Frames">Frames</option>
50                             <option value="Contact Lenses">Contact Lenses</option>
51                             <option value="Other">Other</option>
52                         </select>
53                     </div>
54                     <div class="inputbox">
55                         <label for="costprice">Cost Price</label><br>
56                         <input type="text" name="costprice" id="costprice"
placeholder="Cost Price" pattern="[0-9]*\.[0-9]{2}"
title="Must be a number with two decimal places" required>
57                     </div>
```



```
58      <div class="inputbox">
59          <label for="retailprice">Retail Price</label><br>
60          <input type="text" name="retailprice" id="retailprice"
61              placeholder="Retail Price" pattern="[0-9]*\\.[0-9]{2}"
62              title="Must be a number with two decimal places" required>
63      </div>
64      <div class="inputbox">
65          <label for="quantityinstock">Quantity in Stock</label><br>
66          <input type="number" name="quantityinstock"
67              id="quantityinstock" placeholder="Quantity in Stock"
68              title="Please enter the quantity in stock." required>
69      </div>
70      <div class="inputbox">
71          <label for="reorderquantity">Reorder Quantity</label><br>
72          <input type="number" name="reorderquantity"
73              id="reorderquantity" placeholder="Reorder Quantity"
74              title="Please enter the reorder quantity." required>
75      </div>
76      <div class="inputbox">
77          <label for="supplier">Supplier</label><br>
78          <?php include "supplierlistbox.php" ?>
79      </div>
80      <div class="buttons">
81          <input type="submit" name="submit" value="Submit">
82          <input type="reset" name="reset" value="Reset">
83      </div>
84  </form>
85 </div>
86 </div>
87 </body>
88 </html>
```

/Sebastian/stockitems/add.php

```
1  <!--
2   NAME OF SCREEN:      Add Stock Item (Back End)
3   PURPOSE OF SCREEN: Adds an item to the Stock table based on submitted data.
4   STUDENT ID:          C00276123
5   STUDENT NAME:        Sebastian Anderson
6   DATE WRITTEN:       03/2023
7  -->
8  <!DOCTYPE html>
9  <html>
10 <head>
11  <meta charset="utf-8">
12  <meta name="viewport" content="width=device-width, initial-scale=1">
13  <!-- use icons from fontawesome -->
14  <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></script>
15  <link rel="stylesheet" type="text/css" href="../../styles.css">
16  <title>Add a Stock Item</title>
17 </head>
18 <body>
19  <div class="container">
20  <?php include "../../sidebar.html" ?>
21  <div id="content">
22  <div class="main">
23  <div id="top">
24  |   <h1>Add a Stock Item</h1>
25  </div>
26  <?php
27  include "../../db.inc.php";
28
29  // get the current contents of the Stock table in descending order of
30  // stockId
31  $sql = "SELECT * FROM Stock ORDER BY stockId DESC";
32  if(!$result = mysqli_query($con, $sql)){
33  |   die("Error in SQL Query: ".mysqli_error($con));
34  }
35
36  if(($rowcount = mysqli_affected_rows($con)) == -1){ // returning -1
37  |   means there is an error. anything else is the number of rows
38  |   die("Error in SQL Query: ".mysqli_error($con));
39
40  // if the table is empty, use 1 as the stock id
41  if($rowcount == 0){
42  |   $stockid = 1;
43  }
44  else{ // otherwise, add one to the current highest stockId number
45  |   if(!$row = mysqli_fetch_array($result)){
46  |       die("Error in SQL Query: ".mysqli_error($con));
47  |
48  |       $stockid = $row['stockId'] + 1;
49  }
```

```

50
51 // ADD ITEM TO STOCK TABLE
52 $sql = "INSERT INTO Stock (stockId,description,category,costPrice,
53 retailPrice,quantityInStock,reorderQuantity,supplierId) VALUES
54 ('$stockid','$_POST[description]','$_POST[category]','$_POST[costprice]
55 ','$_POST[retailprice]','$_POST[quantityinstock]','$_POST
56 [reorderquantity]','$_POST[supplierlistbox]')";
57 if(!mysqli_query($con, $sql)){
58     die("Error in SQL Query: ".mysqli_error($con));
59 }
60
61 echo "<br>Record added.<br>";
62 echo
63 "Stock ID: ".$stockid."<br>
64 Description: ".$_POST['description']."<br>
65 Category: ".$_POST['category']."<br>
66 Cost Price: ".$_POST['costprice']."<br>
67 Retail Price: ".$_POST['retailprice']."<br>
68 Quantity in Stock: ".$_POST['quantityinstock']."<br>
69 Reorder Quantity: ".$_POST['reorderquantity']."<br>
70 Supplier ID: ".$_POST['supplierlistbox'];
71
72 mysqli_close($con);
73
74 ?>
75
76 <form action="add.html.php" method="post">
77     <br>
78     <input type="submit" value="Add Another Stock Item">
79 </form>
80 </div>
81 </div>
82 </div>
83 </body>
84 </html>

```

Delete Stock Item

The screenshot shows the Optician software interface. On the left is a sidebar with a blue header containing the logo 'Optician'. Below the logo is a list of menu items with corresponding icons: Dashboard, Counter Sales, Contact Lens Sales, Spectacle Sales, Eye Tests, Stock Control, and File Maintenance. At the bottom of the sidebar is a 'Quit' button. The main area has a white background with a title 'Delete a Stock Item' at the top. Below the title is a message 'Please select a Stock Item' followed by a dropdown menu showing '-3.25 strength: 30 days supply'. There are four input fields: 'Stock Number' (with placeholder 'Stock Number'), 'Description' (with placeholder 'Description'), 'Cost Price' (with placeholder 'Cost Price'), and 'Supplier' (with placeholder 'No Supplier'). A blue button at the bottom right of the dialog box says 'Delete Selected Item'.

/Sebastian/stockitems/delete.html.php

```
1  <!--
2   NAME OF SCREEN:      Delete Stock Item (Front End)
3   PURPOSE OF SCREEN:  Allows the user to select a Stock Item for deletion
4   STUDENT ID:          C00276123
5   STUDENT NAME:        Sebastian Anderson
6   DATE WRITTEN:       03/2023
7  -->
8  <?php session_start(); ?>
9   <!DOCTYPE html>
10  <html>
11   <head>
12     <meta charset="utf-8">
13     <meta name="viewport" content="width=device-width, initial-scale=1">
14     <!-- use icons from fontawesome -->
15     <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></
16     script>
17     <link rel="stylesheet" type="text/css" href="../../styles.css">
18     <link rel="stylesheet" type="text/css" href="../screenstyles.css">
19   <title>Delete a Stock Item</title>
20   <script>
21     // check that the item is not in stock
22     function notinstock(){
23       var sel = document.getElementById("stocklistbox"); // get the stocklistbox
24       var result = sel.options[sel.selectedIndex].value; // get the contents of
25       it
26       var details = result.split(','); // split up the contents
27
28       // if quantityinstock is greater than zero
29       if(details[5] > 0){
30         alert("You cannot delete an item that is currently in stock.");
31         return false;
32       }
33       else{
34         return confirmdelete();
35       }
36     }
37   </script>
```

```
35
36 // ask the user if they are sure they want to delete the item
37 function confirmdelete(){
38     var response;
39     response = confirm("Are you sure you want to delete this item?");
40     if(response){
41         // enable all fields
42         document.getElementById("stockid").disabled = false;
43         document.getElementById("description").disabled = false;
44         document.getElementById("costprice").disabled = false;
45         document.getElementById("supplierlistbox").disabled = false;
46         return true;
47     }
48     else{
49         // keep details in fields
50         populate();
51         return false;
52     }
53 }
54 }
```

```

55     // fill in the form information based on the stocklistbox
56     function populate(){
57         var sel = document.getElementById("stocklistbox"); // get the stocklistbox
58         var result = sel.options[sel.selectedIndex].value; // get the contents of
59             it
60             var details = result.split(','); // split up the contents
61
62             // put the relevant contents into the form
63             document.getElementById("stockid").value = details[0];
64             document.getElementById("description").value = details[1];
65             document.getElementById("costprice").value = details[3];
66             document.getElementById("supplierlistbox").value = details[7];
67     }
68
69     // disable supplierlistbox when the page loads
70     function disable(){
71         document.getElementById("supplierlistbox").disabled = true;
72     }
73 </script>
74 </head>
75 <body onload="disable()"> <!-- disable supplierlistbox when the page loads -->
76     <div class="container">
77         <?php include "../sidebar.html" ?>
78         <div id="content">
79             <div class="main">
80                 <div id="top">
81                     <h1>Delete a Stock Item</h1>
82                 </div>
83                 <!-- only submit the form if not in stock and user confirms deletion
84                 -->
85                 <form action="delete.php" method="post" onsubmit="return notinstock()">
86                     <div class="inputbox">
87                         <label for="stocklistbox">Please select a Stock Item</label>
88                         <?php include "stocklistbox.php" ?>
89                     </div>
90                     <div class="inputbox">
91                         <label for="stockid">Stock Number</label>
92                         <input type="text" name="stockid" id="stockid"
93                             placeholder="Stock Number" title="Stock Number" disabled>
94                     </div>
95                     <div class="inputbox">
96                         <label for="description">Description</label>
97                         <input type="text" name="description" id="description"
98                             placeholder="Description" title="Stock Item Description"
99                             disabled>
100                    </div>
101                    <div class="inputbox">
102                        <label for="costprice">Cost Price</label>
103                        <input type="number" name="costprice" id="costprice"
104                            placeholder="Cost Price" title="Stock Item Cost Price"
105                            disabled>
106                    </div>
107                </form>
108            </div>
109        </div>
110    </body>

```

```
100      <div class="inputbox">
101          <label for="supplierlistbox">Supplier</label>
102          <?php include "supplierlistbox.php" ?>
103      </div>
104      <div class="buttons">
105          <input type="submit" value="Delete Selected Item">
106      </div>
107  </form>
108
109  <?php
110      // display deletion message if we've set session variables in
111      // delete.php
112      if(ISSET($_SESSION['stockid'])){
113          echo "<h1>Record ".$_SESSION['stockid']."' : ".$_SESSION
114          ['description']."' has been deleted.</h1>";
115      }
116
117      if(ISSET($_SESSION['undelivered'])){
118          echo "<h1 style='color: red'>Item not deleted: There are
119          outstanding orders.</h1>";
120      }
121      session_destroy(); // destroy session variables
122
123  </div>
124  </body>
125  </html>
```

/Sebastian/stockitems/delete.php

```
1  <!--
2   NAME OF SCREEN:      Delete Stock Item (Back End)
3   PURPOSE OF SCREEN:   Updates the deleted flag of the selected item.
4   STUDENT ID:          C00276123
5   STUDENT NAME:        Sebastian Anderson
6   DATE WRITTEN:       03/2023
7  -->
8  <?php
9   session_start();
10  include "../db.inc.php";
11
12 // FIND ITEMS THAT ARE CURRENTLY ON ORDER
13 $sql = "SELECT * FROM `Order` INNER JOIN Order_Item ON `Order`.orderId =
14 Order_Item.orderId WHERE Order_Item.stockId = '".$_POST[stockid]' AND delivered = 0";
15 if(!$result = mysqli_query($con, $sql)){
16   die("Error in Querying Database: ".mysqli_error($con));
17 }
18 if(($rowcount = mysqli_affected_rows($con)) == -1){ // returning -1 means there is
19   an error. anything else is the number of rows
20   die("Error in SQL Query: ".mysqli_error($con));
21 }
22
23 // if the selected item has no active orders
24 if($rowcount == 0){
25   // DELETE ITEM
26   $sql = "UPDATE Stock SET deleted = true WHERE stockId = '".$_POST[stockid]'";
27   if(!$result = mysqli_query($con, $sql)){
28     die("Error in Querying Database: ".mysqli_error($con));
29   }
30
31   // update session variables
32   $_SESSION['stockid'] = $_POST['stockid'];
33   $_SESSION['description'] = $_POST['description'];
34 } else{ // otherwise, do not delete
35   $_SESSION['undelivered'] = true;
36 }
37
38 mysqli_close($con);
39 ?>
40
41 <script>
42   // go back to the main delete page
43   window.location.assign("delete.html.php");
44 </script>
```

Amend/View Stock Item

The screenshot shows the Optician software interface. On the left is a blue sidebar menu with the following items:

- Dashboard
- Counter Sales
- Contact Lens Sales
- Spectacle Sales
- Eye Tests
- Stock Control
- File Maintenance

At the bottom of the sidebar is a 'Quit' button. The main area is titled "Amend/View a Stock Item". It contains the following fields:

- Please select a Stock Item: A dropdown menu showing "-3.25 strength: 30 days supply".
- Stock Number: An input field labeled "Stock Number".
- Description: An input field labeled "Description".
- Category: A dropdown menu labeled "Frames".
- Cost Price: An input field labeled "Cost Price".
- Retail Price: An input field labeled "Retail Price".
- Quantity in Stock: An input field labeled "Quantity in Stock".
- Reorder Quantity: An input field labeled "Reorder Quantity".
- Supplier: A dropdown menu labeled "No Supplier".

At the bottom of the window are two buttons:

- Amend Details
- Save Changes

/Sebastian/stockitems/amendview.html.php

```
1  <!--
2   NAME OF SCREEN:      Amend/View Stock Item (Front End)
3   PURPOSE OF SCREEN:  Allows the user to view and amend details about a Stock item.
4   STUDENT ID:          C00276123
5   STUDENT NAME:        Sebastian Anderson
6   DATE WRITTEN:       03/2023
7  -->
8  <!DOCTYPE html>
9  <html>
10 <head>
11   <meta charset="utf-8">
12   <meta name="viewport" content="width=device-width, initial-scale=1">
13   <!-- use icons from fontawesome -->
14   <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></script>
15   <link rel="stylesheet" type="text/css" href="../../styles.css">
16   <link rel="stylesheet" type="text/css" href="../screenstyles.css">
17   <title>Amend/View a Stock Item</title>
18   <script>
19     // ask the user if they are sure they want to update the item
20     function confirmAmend(){
21       var response;
22       response = confirm("Are you sure you want to make these changes?");
23       if(response){
24         // enable all fields
25         document.getElementById("stockid").disabled = false;
26         document.getElementById("description").disabled = false;
27         document.getElementById("category").disabled = false;
28         document.getElementById("costprice").disabled = false;
29         document.getElementById("retailprice").disabled = false;
30         document.getElementById("quantityinstock").disabled = false;
31         document.getElementById("reorderquantity").disabled = false;
32         document.getElementById("supplierlistbox").disabled = false;
33         return true;
34       }
35     else{
36       // keep details in fields
37       populate();
38       return false;
39     }
40   }
41 }
```

```

42 // fill in the form information based on the stocklistbox
43 function populate(){
44     var sel = document.getElementById("stocklistbox"); // get the stocklistbox
45     var result = sel.options[sel.selectedIndex].value; // get the contents of
46     it
47     var details = result.split(','); // split up the contents
48
49     // put the relevant contents into the form
50     document.getElementById("stockid").value = details[0];
51     document.getElementById("description").value = details[1];
52     document.getElementById("category").value = details[2];
53     document.getElementById("costprice").value = details[3];
54     document.getElementById("retailprice").value = details[4];
55     document.getElementById("quantityinstock").value = details[5];
56     document.getElementById("reorderquantity").value = details[6];
57     document.getElementById("supplierlistbox").value = details[7];
58 }
59
60 // toggle whether the fields can be edited by the user
61 function toggleLock(){
62     if(document.getElementById("amendViewButton").value == "Amend Details"){
63         document.getElementById("description").disabled = false;
64         document.getElementById("category").disabled = false;
65         document.getElementById("costprice").disabled = false;
66         document.getElementById("retailprice").disabled = false;
67         document.getElementById("quantityinstock").disabled = false;
68         document.getElementById("reorderquantity").disabled = false;
69         document.getElementById("supplierlistbox").disabled = false;
70         document.getElementById("amendViewButton").value = "View Details";
71     }
72     else{
73         document.getElementById("description").disabled = true;
74         document.getElementById("category").disabled = true;
75         document.getElementById("costprice").disabled = true;
76         document.getElementById("retailprice").disabled = true;
77         document.getElementById("quantityinstock").disabled = true;
78         document.getElementById("reorderquantity").disabled = true;
79         document.getElementById("supplierlistbox").disabled = true;
80     }
81 }
82
83 // disable supplierlistbox when the page loads
84 function disable(){
85     document.getElementById("supplierlistbox").disabled = true;
86 }
87
88 </script>
89 </head>

```

```

89 <body onload="disable()"> <!-- disable supplierlistbox when the page loads -->
90 <div class="container">
91     <?php include "../sidebar.html" ?>
92     <div id="content">
93         <div class="main">
94             <div id="top">
95                 <h1>Amend/View a Stock Item</h1>
96             </div>
97             <form action="amendview.php" method="post" onsubmit="return
98             confirmAmend()">
99                 <div class="inputbox">
100                     <label for="stocklistbox">Please select a Stock Item</label>
101                     <?php include "stocklistbox.php" ?>
102                 </div>
103                 <div class="inputbox">
104                     <label for="stockid">Stock Number</label>
105                     <input type="text" name="stockid" id="stockid"
106                         placeholder="Stock Number" title="Stock Number" disabled>
107                 </div>
108                 <div class="inputbox">
109                     <label for="description">Description</label>
110                     <input type="text" name="description" id="description"
111                         placeholder="Description" pattern="[^,]+"
112                             title="Please enter
113                             the description of the stock item. Commas are disallowed"
114                             disabled required>
115                 </div>
116                 <div class="inputbox">
117                     <label for="category">Category</label>
118                     <select name="category" id="category" disabled>
119                         <option value="Frames">Frames</option>
120                         <option value="Contact Lenses">Contact Lenses</option>
121                         <option value="Other">Other</option>
122                     </select>
123                 </div>
124                 <div class="inputbox">
125                     <label for="costprice">Cost Price</label>
126                     <input type="text" name="costprice" id="costprice"
127                         placeholder="Cost Price" pattern="[0-9]*\.[0-9]{2}"
128                         title="Please enter the cost price of the item. Must be a
129                         number with two decimal places" disabled required>
130                 </div>

```

```
122 |         <div class="inputbox">
123 |             <label for="retailprice">Retail Price</label>
124 |             <input type="text" name="retailprice" id="retailprice"
125 |                 placeholder="Retail Price" pattern="[0-9]*\.[0-9]{2}"
126 |                 title="Please enter the retail price of the item. Must be a
127 |                 number with two decimal places" disabled required>
128 |         </div>
129 |         <div class="inputbox">
130 |             <label for="quantityinstock">Quantity in Stock</label>
131 |             <input type="number" name="quantityinstock"
132 |                 id="quantityinstock" placeholder="Quantity in Stock"
133 |                 title="Please enter the quantity in stock." min="0" disabled
134 |                 required>
135 |         </div>
136 |         <div class="inputbox">
137 |             <label for="reorderquantity">Reorder Quantity</label>
138 |             <input type="number" name="reorderquantity"
139 |                 id="reorderquantity" placeholder="Reorder Quantity"
140 |                 title="Please enter the reorder quantity." min="0" disabled
141 |                 required>
142 |         </div>
143 |         <div class="buttons">
144 |             <input type="button" value="Amend Details"
145 |                 id="amendViewButton" onclick="toggleLock()">
146 |             <input type="submit" value="Save Changes">
147 |         </div>
148 |     </div>
149 | </body>
150 | </html>
```

/Sebastian/stockitems/amendview.php

```
1  <!--
2      NAME OF SCREEN:      Amend/View Stock Item (Back End)
3      PURPOSE OF SCREEN:   Updates the selected entry in the Stock table based on
4          submitted data.
5      STUDENT ID:          C00276123
6      STUDENT NAME:        Sebastian Anderson
7      DATE WRITTEN:       03/2023
8  -->
9  <!DOCTYPE html>
10 <html>
11 <head>
12     <meta charset="utf-8">
13     <meta name="viewport" content="width=device-width, initial-scale=1">
14     <!-- use icons from fontawesome -->
15     <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></
16     script>
17     <link rel="stylesheet" type="text/css" href="../../styles.css">
18     <title>Amend/View a Stock Item</title>
19 </head>
20 <body>
21     <div class="container">
22         <?php include "../../sidebar.html" ?>
23         <div id="content">
24             <div class="main">
25                 <div id="top">
26                     <h1>Amend/View a Stock Item</h1>
27                 </div>
28                 <?php
29                     include "../../db.inc.php";
30
31                     // UPDATE THE SELECTED ITEM
32                     $sql = "UPDATE Stock SET
33                         description = '$_POST[description]',
34                         category = '$_POST[category]',
35                         costPrice = '$_POST[costprice]',
36                         retailPrice = '$_POST[retailprice]',
37                         quantityInStock = '$_POST[quantityinstock]',
38                         reorderQuantity = '$_POST[reorderquantity]',
39                         supplierId = '$_POST[supplierlistbox]'
40                         WHERE stockId = '$_POST[stockid]'";
41                     if(!mysqli_query($con,$sql)){
42                         die(mysqli_error($con));
43                     }
44                 </?php>
45             </div>
46         </div>
47     </div>
48 
```

```
43 // check that a change has occurred
44 if(mysqli_affected_rows($con) != 0){
45     echo mysqli_affected_rows($con)." record(s) updated <br>";
46     echo "Stock Item ID ".$_POST['stockid'].", ".$_POST['description'].
47         " has been updated.";
48 }
49 else{
50     echo "No records were changed.";
51 }
52 echo "<form action='amendview.html.php' method='post'>
53 <input type='submit' value='Return to Amend/View Page'>
54 </form>";
55
56     ?>
57     </div>
58     </div>
59     </div>
60 </body>
61 </html>
```

Counter Sales

The screenshot shows the 'Counter Sales' module of the Optician software. On the left is a blue sidebar menu with icons and labels for Dashboard, Counter Sales, Contact Lens Sales, Spectacle Sales, Eye Tests, Stock Control, and File Maintenance. At the bottom of the sidebar is a 'Quit' button. The main area has a white background with a title 'Counter Sales' at the top. Below it is a 'Select Items' dropdown menu showing 'Blue Glasses Case' and a 'Add Item' button. A table displays the selected items:

Item Description	Quantity	Price
Lens Cleaner	2	€ 14.00
Blue Glasses Case	1	€ 12.00
Total Price		€ 26.00

At the bottom of the main area is a 'Finalise Sale' button.

/Sebastian/countersales/countersales.html.php

```
1  <!--
2      NAME OF SCREEN:      Counter Sales (Front End)
3      PURPOSE OF SCREEN: Allows the user to select what items they want to buy, and in
what quantity.
4      STUDENT ID:          C00276123
5      STUDENT NAME:        Sebastian Anderson
6      DATE WRITTEN:       03/2023
7  -->
8  <!DOCTYPE html>
9  <html>
10 <head>
11   <meta charset="utf-8">
12   <meta name="viewport" content="width=device-width, initial-scale=1">
13   <!-- use icons from fontawesome -->
14   <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></
script>
15   <link rel="stylesheet" type="text/css" href="../../styles.css">
16   <link rel="stylesheet" type="text/css" href="countersales.css">
17   <title>Counter Sales</title>
18   <script>
19     // array of active ids
20     var activeids = [];
21
22     // checks if a stockid is already selected
23     function isActiveId(id){
24         var active = false;
25         for(var i = 0; i < activeids.length; i++){
26             if(id == activeids[i]){
27                 active = true;
28             }
29         }
30         return active;
31     }
32
33     // ask user to confirm sale
34     function confirmsale(){
35         var response;
36         response = confirm("Are you sure you want to finalise this sale?");
37         if(response){
38             // enable fields
39             document.getElementById('totalsum').disabled = false;
40             for(let i = 0; i < activeids.length; i++){
41                 document.getElementById('desc'+activeids[i]).disabled = false;
42                 document.getElementById('price'+activeids[i]).disabled = false;
43             }
44             return true;
45         }
46         else{
47             return false;
48         }
49     }
50 }
```

```

51 // add an item to the table when selected by user
52 function additem(){
53     var sel = document.getElementById("stocklistbox"); // get the stocklistbox
54     var result = sel.options[sel.selectedIndex].value; // get the contents of
55     it
56     result = result.split(",");
57
58     var id = result[0];
59     var desc = result[1];
60     var price = result[2]
61     var instock = result[3];
62
63     // if the selected item isn't already in the table
64     if(!isActiveId(result[0])){
65         // save the stockid to the list of active ids
66         activeids.push(result[0]);
67         // create a row in the table (https://www.w3schools.com/jsref/met\_table\_insertrow.asp)
68         var table = document.getElementById("saletable");
69         var row = table.insertRow(activeids.length);
70         // set row id in case we need to delete it later
71         row.id = "row"+id;
72         // create cells in the row
73         var cell1 = row.insertCell();
74         var cell2 = row.insertCell();
75         var cell3 = row.insertCell();
76         // populate cells
77         cell1.innerHTML = "<input type='text' name='desc"+id+"' id='desc"+id+
78         +" value='"+desc+"' disabled>";
79         cell2.innerHTML = "<input type='number' name='qnt"+id+"' id='qnt"+id+
80         +" title='Please enter the amount you would like to purchase' min='1'
81         max='"+instock+"' value='1' onchange='calcprice("+id+", "+price+")'>";
82         cell3.innerHTML = "&euro; <input type='number' name='price"+id+"'
83         id='price"+id+"' disabled>";
84         // update total price
85         calcprice(id, price);
86         // update id tracker
87         document.getElementById("idtracker").value += id+",";
88         console.log(document.getElementById("idtracker").value);
89     }
90     else{
91         alert("You already have this item in your cart.");
92     }
93 }
```

```

90     // calculate the price of an item based on quantity
91     function calcprice(id, retailprice){
92         var quantity = document.getElementById("qnt"+id).value
93         // calculate the price of the items and display at 2 decimal places
94         // parseFloat means the variables are processed as floating point numbers
95         // instead of strings
96         // (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global\_Objects/parseFloat)
97         // (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global\_Objects/Number/toFixed)
98         document.getElementById("price"+id).disabled = false;
99         document.getElementById("price"+id).value = (parseFloat(quantity) *
100         parseFloat(retailprice)).toFixed(2);
101        document.getElementById("price"+id).disabled = true;
102        calcsum();
103    }
104
105    // calculate the total sum
106    function calcsum(){
107        var sum = parseFloat("00.00");
108        for(let i = 0; i < activeids.length; i++){
109            // run through all active ids and add up their prices
110            sum += parseFloat(document.getElementById("price"+activeids[i]).value);
111        }
112        // update the total, display at 2 decimal places
113        document.getElementById("totalsum").value = sum.toFixed(2);
114    }
115
116 </script>
117
118 </head>
119
120 <body>
121
122 <table border="1">
123     <thead>
124         <tr>
125             <th>Product</th>
126             <th>Quantity</th>
127             <th>Price</th>
128         </tr>
129     </thead>
130     <tbody>
131         <tr>
132             <td>Laptop</td>
133             <td>1</td>
134             <td>$1000</td>
135         </tr>
136         <tr>
137             <td>Monitor</td>
138             <td>1</td>
139             <td>$200</td>
140         </tr>
141         <tr>
142             <td>Keyboard</td>
143             <td>1</td>
144             <td>$100</td>
145         </tr>
146         <tr>
147             <td>Mouse</td>
148             <td>1</td>
149             <td>$50</td>
150         </tr>
151     </tbody>
152 </table>
153
154 <div>
155     Total: <b>$1350</b>
156 </div>
157
158 </body>
159
160 </html>

```

```

115 <body>
116     <div class="container">
117         <?php include "../sidebar.html" ?>
118         <div id="content">
119             <div class="main">
120                 <div id="top">
121                     <h1>Counter Sales</h1>
122                 </div>
123                 <!-- only submit form if user confirms sale -->
124                 <form action="countersales.php" method="post" onsubmit="confirmsale()">
125                     <div>
126                         <label for="stocklistbox">Select Items</label><br>
127                         <?php include "stocklistbox.php" ?>
128                         <input type="button" name="add" id="add" class="button"
129                             value="Add Item" onclick="additem()">
130                     </div>
131                     <table id="saletable">
132                         <tr>
133                             <th class="tablehead">Item Description</th>
134                             <th class="tablehead">Quantity</th>
135                             <th class="tablehead">Price</th>
136                         </tr>
137                         <tr>
138                             <th colspan="2" class="totalprice">Total Price</th>
139                             <td class="totalprice">&euro; <input type='number'
140                                 name='totalsum' id='totalsum' value='00.00' disabled></td>
141                         </tr>
142                     </table>
143                     <!-- hidden form field that keeps track of item ids that have been
144                         entered -->
145                     <input type="text" name="idtracker" id="idtracker" title="Please
146                         select an item." hidden required>
147                     <input type="submit" class="button" value="Finalise Sale">
148                 </form>
149             </div>
150         </div>
151     </body>
152 </html>

```

/Sebastian/countersales/countersales.php

```
1  <!--
2   NAME OF SCREEN:      Counter Sales (Back End)
3   PURPOSE OF SCREEN:  Processes information given by the user and updates the Sale,
4   Stock, and Sales Item tables.
5   STUDENT ID:          C00276123
6   STUDENT NAME:        Sebastian Anderson
7   DATE WRITTEN:       03/2023
8 -->
9  <!DOCTYPE html>
10 <html>
11 <head>
12   <meta charset="utf-8">
13   <meta name="viewport" content="width=device-width, initial-scale=1">
14   <!-- use icons from fontawesome -->
15   <script src="https://kit.fontawesome.com/e9ccd8bcf3.js" crossorigin="anonymous"></script>
16   <link rel="stylesheet" type="text/css" href="../../styles.css">
17   <title>Counter Sales</title>
18 </head>
19 <body>
20   <div class="container">
21     <?php include "../../sidebar.html" ?>
22     <div id="content">
23       <div class="main">
24         <div id="top">
25           <h1>Counter Sales</h1>
26         </div>
27         <?php
28           include "../../db.inc.php";
29           date_default_timezone_set("UTC");
30           $date = (date("Y-m-d"));
```

```

31 // GENERATE PRIMARY KEY FOR SALE TABLE
32 $sql = "SELECT * FROM Sale ORDER BY saleId DESC"; // get the
33 current contents of the Sale table in descending order of saleId
34 if(!$result = mysqli_query($con, $sql)){ // perform query
35 | die("Error in SQL Query: ".mysqli_error($con));
36 }
37 if($rowcount = mysqli_affected_rows($con) == -1){ // returning
38 -1 means there is an error. anything else is the number of rows
39 | die("Error in SQL Query: ".mysqli_error($con));
40 }
41 if($rowcount == 0){ // if the table is empty, use 1 as the sale id
42 | $saleid = 1;
43 }
44 else{ // otherwise, add one to the current highest saleId number
45 | if(!$row = mysqli_fetch_array($result)){
46 | | die("Error in SQL Query: ".mysqli_error($con));
47 | }
48 |
49 | $saleid = $row['saleId'] + 1;
50 }

51 // ADD ENTRY TO SALE TABLE
52 $sql = "INSERT INTO Sale (saleId, date, totalCost) VALUES
53 ('$saleid', '$date', '_POST[totalsum]')";
54 if(!$result = mysqli_query($con, $sql)){
55 | die("Error in SQL Query: ".mysqli_error($con));
}

```

```

56 // separate the id tracker into the separate stockids
57 // (https://www.php.net/manual/en/function.explode.php)
58 $itemids = explode(',', $_POST['idtracker']);

59 // variable used to build the table that appears on this page
60 $stocktable =
61 <table>
62     <tr>
63         <th>Item</th>
64         <th>Quantity</th>
65         <th>Price</th>
66     </tr>";
67 // loop through each of the ids
68 for($i = 0; $i < (count($itemids)-1); $i++){
69     // get the quantity in stock of the current item
70     $sql = "SELECT quantityInStock FROM Stock WHERE stockId =
71 '$itemids[$i]';

72     if(!$result = mysqli_query($con, $sql)){
73         die("Error in SQL Query: ".mysqli_error($con));
74     }
75     if(!$row = mysqli_fetch_array($result)){
76         die("Error in SQL Query: ".mysqli_error($con));
77     }
78 }

79 // subtract purchased quantity from quantity in stock
80 $quantitypurchased = $_POST['qnt'].$itemids[$i]];
81 $newquantity = $row['quantityInStock'] - $quantitypurchased;
82

83 // UPDATE STOCK TABLE
84 $sql = "UPDATE Stock SET quantityInStock = $newquantity WHERE
85 stockId = ".$itemids[$i];
86 if(!$result = mysqli_query($con, $sql)){
87     die("Error in Querying Database: ".mysqli_error($con));
88 }
89 // ADD ENTRY TO SALES ITEM TABLE
90 $sql = "INSERT INTO Sales_Item (salesId, stockId, quantity)
91 VALUES ('$saleid', '$itemids[$i]', '$quantitypurchased')";
92 if(!$result = mysqli_query($con, $sql)){
93     die("Error in Querying Database: ".mysqli_error($con));
94 }

```

```
95 // add details to output, to echo once we're done
96 $stocktable .= "
97     <tr>
98         <td>".$_POST['desc'].$itemids[$i]."</td>
99         <td>$quantitypurchased</td>
100        <td>&euro;".$_POST['price'].$itemids[$i]."</td>
101    </tr>";
102 }
103
104 // add total sum to output
105 $stocktable .= "
106     <tr>
107         <th colspan='2'>Total Price</th>
108         <td>&euro;".$_POST['totalsum']. "</td>
109     </tr>
110 </table>";
111
112 echo "<br>Sale successful.<br>";
113
114 // display the output
115 echo
116 "Sale ID: ".$saleid."<br>".$stocktable;
117 mysqli_close($con);
118 ?>
119
120 <!-- allow user to return to form -->
121 <form action="countersales.html.php" method="post">
122     <br>
123     <input type="submit" value="Make Another Sale">
124 </form>
125     </div>
126 </div>
127 </div>
128 </body>
129 </html>
```

Miscellaneous

/Sebastian/screenstyles.css

```
1  /*
2   PURPOSE:          Specific CSS for add/delete/amendview screens
3   STUDENT ID:      C00276123
4   STUDENT NAME:    Sebastian Anderson
5   DATE WRITTEN:   03/2023
6  */
7
8  form {
9   background: white;
10  margin: auto;
11  padding: 50px;
12  width: 400px;
13  border-top: solid 5px #5A57FF;
14  border-radius: 5px;
15  filter: drop-shadow(2px 2px 2px #d2d2d2); /* light grey drop shadow to the bottom
16  and right of the form */
17 }
18
19 .inputbox{
20  margin: 10px 0;
21 }
22 .inputbox input, .inputbox select {
23  width: 100%;
24 }
25
26 .buttons{
27  text-align: center;
28 }
29
30 .buttons input{ /* dark blue buttons with white text and rounded corners */
31  background: #5A57FF;
32  color: white;
33  width: 100%;
34  margin: 2px 0;
35  padding: 5px 10px;
36  font-weight: bold;
37  border: none;
38  border-radius: 5px;
39 }
40
41 .buttons input:hover{ /* hovering over buttons changes bg to light blue and text to
42  dark blue */
43  background: #C2C0FF;
44  color: #5A57FF;
```

/Sebastian/stockitems/stocklistbox.php

```
1 <!--
2      NAME OF SCREEN:      Stock List Box (Stock Items Version)
3      PURPOSE OF SCREEN: Allows the user to select items from the Stock table. Tailored
4          for add, update and delete actions on the Stock table.
5      STUDENT ID:          C00276123
6      STUDENT NAME:        Sebastian Anderson
7      DATE WRITTEN:       03/2023
8 -->
9 <?php
10    include "../../db.inc.php";
11
12    // get all stock items that haven't been deleted
13    $sql = "SELECT * FROM Stock WHERE deleted = 0";
14    if(!$result = mysqli_query($con, $sql)){
15        die("Error in Querying Database: ".mysqli_error($con));
16    }
17
18    echo "<select name='stocklistbox' id='stocklistbox' onclick='populate()'">";
19
20    // run through all stock items and add them as options
21    while($row = mysqli_fetch_array($result)){
22        $stockId = $row['stockId'];
23        $description = $row['description'];
24        $category = $row['category'];
25        $costPrice = $row['costPrice'];
26        $retailPrice = $row['retailPrice'];
27        $quantityInStock = $row['quantityInStock'];
28        $reorderQuantity = $row['reorderQuantity'];
29        $supplierId = $row['supplierId'];
30        // stitch table columns together
31        $alltext = "$stockId,$description,$category,$costPrice,$retailPrice,
32        $quantityInStock,$reorderQuantity,$supplierId";
33        echo "<option value='$alltext'$description</option>";
34    }
35    echo "</select>";
36    mysqli_close($con);
37 ?>
```

/Sebastian/stockitems/supplierlistbox.php

```
1  <!--
2   NAME OF SCREEN:      Supplier List Box
3   PURPOSE OF SCREEN: Allows the user to select items from the Supplier table.
4   Tailored for add, update and delete actions on the Stock table.
5   STUDENT ID:          C00276123
6   STUDENT NAME:        Sebastian Anderson
7   DATE WRITTEN:       03/2023
8 -->
9 <?php
10    include "../db.inc.php";
11
12    // get all suppliers that haven't been deleted
13    $sql = "SELECT supplierId, name FROM Supplier WHERE deleted = 0";
14    if(!$result = mysqli_query($con, $sql)){
15        die("Error in Querying Database: ".mysqli_error($con));
16    }
17
18    // allow the user to select no supplier
19    echo "<select name='supplierlistbox' id='supplierlistbox'>
20         <option value='0'>No Supplier</option>";
21
22    // run through all suppliers and add them as options
23    while($row = mysqli_fetch_array($result)){
24        $supplierId = $row['supplierId'];
25        $name = $row['name'];
26        echo "<option value='".$supplierId."'>$name</option>";
27    }
28    echo "</select>";
29    mysqli_close($con);
?>
```

/Sebastian/countersales/stocklistbox.php

```
1  <!--
2   NAME OF SCREEN:      Stock List Box (Counter Sales Version)
3   PURPOSE OF SCREEN: Allows the user to select items from the Stock table. Tailored
4   for adding counter sales.
5   STUDENT ID:          C00276123
6   STUDENT NAME:        Sebastian Anderson
7   DATE WRITTEN:       03/2023
8 -->
9 <?php
10    include "../../db.inc.php";
11
12    // get all non-spectacle and non-contact lens stock items that haven't been deleted
13    $sql = "SELECT * FROM Stock WHERE category = 'Other' AND deleted = 0";
14    if(!$result = mysqli_query($con, $sql)){
15        die("Error in Querying Database: ".mysqli_error($con));
16    }
17
18    echo "<select name='stocklistbox' id='stocklistbox'>";
19
20    // run through all stock items and add them as options
21    while($row = mysqli_fetch_array($result)){
22        // set variables
23        $stockId = $row['stockId'];
24        $description = $row['description'];
25        $retailPrice = $row['retailPrice'];
26        $quantityInStock = $row['quantityInStock'];
27        $alltext = "$stockId,$description,$retailPrice,$quantityInStock";
28        // is it out of stock?
29        if($quantityInStock <= 0){
30            $outOfStock = " title='This item is out of stock.' disabled";
31            $description = "$description (Out of Stock)";
32        }
33        else{
34            $outOfStock = " ";
35        }
36        echo "<option value='$alltext'$outOfStock>$description</option>";
37    }
38    echo "</select>";
39    mysqli_close($con);
?>
```

/Sebastian/countersales/countersales.css

```
1  /*
2   PURPOSE:      Specific CSS for countersales
3   STUDENT ID:  C00276123
4   STUDENT NAME: Sebastian Anderson
5   DATE WRITTEN: 03/2023
6 */
7
8 .button{ /* dark blue buttons with white text and rounded corners */
9   background: #5A57FF;
10  color: white;
11  margin: 5px 0;
12  padding: 5px 10px;
13  font-weight: bold;
14  border: none;
15  border-radius: 5px;
16 }
17
18 .button:hover{ /* hovering over buttons changes bg to light blue and text to dark blue
19 */
20   background: #C2C0FF;
21   color: #5A57FF;
22 }
23
24 td{
25   text-align: center;
26 }
27
28 .totalprice{
29   border-top: dashed 1px #5A57FF;
```

Mirella Glowinska

Insert a Supplier

The screenshot shows the Optician software interface. On the left is a sidebar with a blue header 'Optician' containing navigation links: Dashboard, Counter Sales, Contact Lens Sales, Spectacle Sales, Eye Tests, Stock Control, and File Maintenance. At the bottom of the sidebar is a 'Quit' button. The main area has a white background with a title 'Insert a Supplier' at the top. Below the title is a message: 'Please fill empty fields and then click the "add new supplier"button to insert new supplier'. There are several input fields for entering supplier information: Name (First Name followed by Surname), Address (Address), Email (Email Address), Telephone (Phone Number), Street (Street), Town (Town), County (County), and Website (Website url). At the bottom of the form are two buttons: 'Add New Supplier' (in blue) and 'Reset' (in grey).

/Mirella/AddSupplier.php

 AddSupplier.php

```
1 <!DOCTYPE html>
2 <html>
3     <!--Mirella Glowinska C00275764-->
4 <head>
5     <meta charset="utf-8">
6     <meta name="viewport" content="width=device-width, initial-scale=1">
7     <!-- use icons from fontawesome -->
8     <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></script>
9     <link rel="stylesheet" type="text/css" href="styles.css">
10    <link rel="stylesheet" type="text/css" href="layout.css">
11
12    <title>Optician Dashboard</title>
13 </head>
14 <body>
15 <script>
16     function confirmCheck()
17     {
18
19         let response = confirm('Do you want to add this supplier?');
20         if (response)
21             return true;
22         else
23             return false;
24     }
25 </script>
26 <div class="container">
27     <?php include "../sidebar.html" ?>
28
29     <div id="content">
30         <h1> Insert a Supplier</h1><br><br><br>
31
32         <form class="myForm" method="POST" onsubmit="return confirmCheck()" action="AddSupplierScript.php">
33             <h4>Please fill empty fields and then click the 'add new supplier' button to insert new supplier</h4>
34             <label for="name">Name</label>
35             <input type="text" pattern="^(\w+\W+)\s(\w+)$" name="name" placeholder="First Name followed by Surname" id="name" required>
36             <label for="address">Address</label>
37             <input id="address" name="address" placeholder="Address" type="text" required>
38             <label for="email">Email</label>
39             <input id="email" name="email" type="email" placeholder="Email Address" required>
40             <label for="telephone">Telephone</label>
41             <input id="telephone" name="telephone" type="text" placeholder="Phone Number" pattern="[(\d\s)]{1,}" required>
42             <label for="street">Street</label>
43             <input id="street" name="street" placeholder="Street" type="text" required>
44             <label for="town">Town</label>
45             <input id="town" name="town" placeholder="Town" type="text" required>
46             <label for="country">Country</label>
47             <input id="country" placeholder="Country" name="country" type="text" required>
48             <label for="website">Website</label>
49             <input id="website" placeholder="Website url" name="website" type="url" required>
50             <br><br>
51             <button class="btn">Add New Supplier</button>
52             <input class="btn" type="reset">
53         </form>
54     </div>
55 </div>
56
57 </body>
58 </html>
```

/Mirella/AddSupplierScript.php

AddSupplierScript.php

```
1 <!DOCTYPE html>
2 <html>
3     <!--Mirella Glowinska C00275764-->
4 <head>
5     <meta charset="utf-8">
6     <meta name="viewport" content="width=device-width, initial-scale=1">
7     <!-- use icons from fontawesome -->
8     <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></script>
9     <link rel="stylesheet" type="text/css" href="../../styles.css">
10    <link rel="stylesheet" type="text/css" href="layout.css">
11 </head>
12 <body>
13     <div class="container">
14         <?php include "../sidebar.html" ?>
15         <div class="main_content">
16
17 <?php
18 include 'db.inc.php';
19 date_default_timezone_set("UTC");
20
21 $sql = "Insert into Supplier (name,street,town,country,email,website,telephone)
22 VALUES ('$_POST[name]', '$_POST[street]', '$_POST[town]', '$_POST[country]', '$_POST[email]', '$_POST[website]', '$_POST[telephone]')";
23 if (!mysqli_query($con,$sql)){
24     die("An error in query" . mysqli_error($con));
25 }else{
26     if (mysqli_affected_rows ($con) != 0){
27
28         echo mysqli_affected_rows($con)." record added <br>";
29         echo "Full Name: ".$_POST['name']. "<br>";
30         echo "Street: ".$_POST['street']. "<br>";
31         echo "Town: ".$_POST['town']. "<br>";
32         echo "Country: ".$_POST['country']. "<br>";
33         echo "Email: ".$_POST['email']. "<br>";
34         echo "Website: ".$_POST['website']. "<br>";
35         echo "Telephone: ".$_POST['telephone']."' has been added" . "<br>" . "<br>";
36
37     } else {
38         echo "No records were changed";
39     }
40 }
41 mysqli_close($con);
42 ?>
43
44
45 <form action = "AddSupplier.php" method="post" >
46 <input class="btn" type="submit" value="Return to Previous Screen">
47 </form>
```

/Mirella/layout.css

```

Code Editor
layout.css

1 *{
2     box-sizing: border-box;
3     font-family: Arial, Helvetica, sans-serif;
4 }
5
6 body{
7     margin: 0px; /* remove margin so there are no weird gaps at the edge of the page. we can add them in if we need them. */
8     background: #FAF9FF; /* light grey*/
9     padding: 0px;
10    height: 100vh;
11 }
12 p#display{
13     text-align:center;
14 }
15 .btn{
16     background-color:#5A57FF;
17     color: white;
18     border-style: none;
19     padding: 5px 10px;
20     border-radius: 5px;
21     position: relative;
22     /*left: 88%; */
23     height: 30px;
24     font-weight: bold;
25     margin-bottom: 20px;
26 }
27 .btn:hover{
28     background: #C2C0FF; /* light blue */
29     color:#5A57FF; /* light grey*/
30 }
31 input#amendid, input#amendname, input#amendlastname, input#amendstreet, input#amendstreet, input#amendtown, input#amendcountry, input#amendemail,
32     input#amendwebsite, input#amendphone, input#name, input#address, input#email, input#website,
33     input#telephone, input#street, input#town, input#country, input#delid, input#deliname, input#delistreet, input#delitown, input#delicountry,
34     input#delemail, input#delwebsite, input#deliphone {
35     margin-bottom: 5px;
36     height: 25px;
37     margin-top: 5px;
38 }
39
40 }h1{
41     position: fixed;
42     left: 50%;
43     transform: translate(-50%, -50%);
44     top: 0;
45 }
46 h4{
47     position: relative;
48     left: 40%;
49 }
50 select#listbox, select#listboxStock{
51     margin-bottom:10px;
52     height:30px;
53 }
54 .myForm{
55     padding: 50px;
56     background-color: white;
57     max-width: 400px;
58     display: flex;
59     flex-direction: column;
60     border-radius: 5px;
61     border-style: none;
62     border-top-style: solid;
63     border-width: 5px;
64     border-color: #5A57FF;
65     box-shadow: 2.5px 2.5px 2.5px 1px rgba(0, 0, 0, 0.1);
66     position: relative;
67     margin: auto; /*Place for in the center*/
68 }
69 .main_content{
70     padding:40px;
71 }
72
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```

Amend/View a Supplier

The screenshot shows the Optician software interface. On the left is a sidebar with a blue header containing the word 'Optician' and a list of menu items: Dashboard, Counter Sales, Contact Lens Sales, Spectacle Sales, Eye Tests, Stock Control, and File Maintenance. At the bottom of the sidebar is a 'Quit' button. The main area has a white background with a title 'Amend/View a Supplier'. Below the title is a message: 'Please select a person and then click the amend button to allow update'. A dropdown menu is open, showing the option '1 Penelope Davey'. To the right of the dropdown are input fields for Supplier Id, Name, Street, Town, Country, Email, Website, and Phone. At the bottom are two buttons: 'Amend Details' and 'Save Changes'.

/Mirella/AmendView.html.php

AmendView.html.php

```
1 <html><head>
2     <!--Mirella Glowinska C00275764-->
3     <meta charset="utf-8">
4     <meta name="viewport" content="width=device-width, initial-scale=1">
5     <!-- use icons from fontawesome -->
6     <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></script>
7     <link rel="stylesheet" type="text/css" href="styles.css">
8     <link rel="stylesheet" type="text/css" href="layout.css">
9
10 </head>
11 <body>
12
13 <script>
14 function populate()
15 {
16     var sel = document.getElementById("listbox");
17     var result;
18     result = sel.options[sel.selectedIndex].value;
19     var personDetails = result.split(',');
20     document.getElementById("display").innerHTML = "The details of the selected supplier are: " + result;
21     document.getElementById("amendid").value = personDetails[0];
22     document.getElementById("amendname").value = personDetails[1];
23     document.getElementById("amendstreet").value = personDetails[2];
24     document.getElementById("amendtown").value = personDetails[3];
25
26     document.getElementById("amendcountry").value = personDetails[4];
27     document.getElementById("amendemail").value = personDetails[5];
28     document.getElementById("amendwebsite").value = personDetails[6];
29     document.getElementById("amendphone").value = personDetails[7];
30 }
31 function toggleLock()
32 {
33     if (document.getElementById("amendViewbutton").value == "Amend Details")
34     {
35
36         document.getElementById("amendname").disabled = false;
37         document.getElementById("amendstreet").disabled = false;
38         document.getElementById("amendtown").disabled = false;
39         document.getElementById("amendcountry").disabled = false;
40         document.getElementById("amendemail").disabled = false;
41         document.getElementById("amendwebsite").disabled = false;
42         document.getElementById("amendphone").disabled = false;
43         document.getElementById("amendViewbutton").value = "View Details";
44     }
45     else
46     {
47
48         document.getElementById("amendname").disabled = true;
49         document.getElementById("amendstreet").disabled = true;
50         document.getElementById("amendtown").disabled = true;
51         document.getElementById("amendcountry").disabled = true;
52         document.getElementById("amendemail").disabled = true;
53         document.getElementById("amendwebsite").disabled = true;
54         document.getElementById("amendphone").disabled = true;
55         document.getElementById("amendViewbutton").value = "Amend Details";
56     }
57 }
```

 AmendView.html.php

```
58
59 function confirmCheck()
60 {
61     var response;
62     response = confirm('Are you sure you want to save these changes?');
63     if (response)
64     {
65         document.getElementById("amendid").disabled = false;
66         document.getElementById("amendname").disabled = false;
67         document.getElementById("amendstreet").disabled = false;
68         document.getElementById("amendtown").disabled = false;
69         document.getElementById("amendcountry").disabled = false;
70         document.getElementById("amendemail").disabled = false;
71         document.getElementById("amendwebsite").disabled = false;
72         document.getElementById("amendphone").disabled = false;
73         return true;
74     }
75     else
76     {
77         populate();
78         toggleLock();
79         return false;
80     }
81 }
82 </script>
83 <div class="container">
84     <?php include "../sidebar.html" ?>
85     <div id="content">
86         <h1> Amend/View a Supplier</h1><br><br><br>
87         <p id="display"> </p>
88         <form class="myForm" name="myForm" action="AmendView.php" onsubmit="return confirmCheck()" method="post">
89             <h4>Please select a person and then click the amend button to allow update</h4>
90             <?php include 'AmendViewListBox.php' ?>
91
92             <br>
93             <label for="amendid">Supplier Id </label>
94             <input type="text" name="amendid" id="amendid" disabled="">
95             <label for="amendname">Name </label>
96             <input type="text" name="amendname" pattern="^(\w\w+)\s(\w+\$)" id="amendname" disabled="" required>
97             <label for="amendstreet">Street</label>
98             <input type="text" name="amendstreet" id="amendstreet" disabled="" required>
99             <label for="amendtown">Town </label>
100            <input type="text" name="amendtown" id="amendtown" disabled="">
101            <label for="amendcountry">Country</label>
102            <input type="text" name="amendcountry" id="amendcountry" disabled="">
103
104            <label for="amendemail">Email </label>
105            <input type="email" name="amendemail" id="amendemail" disabled="">
106            <label for="amendwebsite">Website</label>
107            <input type="url" name="amendwebsite" id="amendwebsite" disabled="">
108            <label for="amendphone">Phone</label>
109            <input type="text" name="amendphone" pattern="[(\d\s)]{1,}" id="amendphone" disabled="">
110
111            <br><br><input class="btn" type="button" value="Amend Details" id="amendViewbutton" onclick="toggleLock()">
112            <input class="btn" type="submit" value="Save Changes">
113        </form>
114    </div>
115 </div>
116 </body></html>
```

/Mirella/AmendView.php

AmendView.php

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <!--Mirella Glowinska C00275764-->
5     <meta charset="utf-8">
6     <meta name="viewport" content="width=device-width, initial-scale=1">
7     <!-- use icons from fontawesome -->
8     <script src="https://kit.fontawesome.com/e9ccd8bcf3.js" crossorigin="anonymous"></script>
9     <link rel="stylesheet" type="text/css" href="../../styles.css">
10    <link rel="stylesheet" type="text/css" href="layout.css">
11 </head>
12 <body>
13     <div class="container">
14         <?php include "../sidebar.html" ?>
15         <div class="main_content">
16     <?php
17     include 'db.inc.php';
18     date_default_timezone_set('UTC');
19     $sql = "UPDATE Supplier SET name = '".$_POST[amendname]',
20             street= '".$_POST[amendstreet]',
21             town = '".$_POST[amendtown]',
22             country = '".$_POST[amendcountry]',
23             email = '".$_POST[amendemail]',
24             website = '".$_POST[amendwebsite]',
25             telephone = '".$_POST[amendphone]' WHERE supplierId = '".$_POST[amendid]'";
26     if (! mysqli_query($con, $sql))
27     {
28         echo "Error ".mysqli_error($con);
29     }
30     else
31     {
32         if (mysqli_affected_rows ($con) != 0){
33
34             echo mysqli_affected_rows($con)." record(s) updated <br>";
35             echo "Supplier ID: ".$_POST['amendid']. "<br>";
36             echo "Full Name: ".$_POST['amendname']. "<br>";
37             echo "Street: ".$_POST['amendstreet']. "<br>";
38             echo "Town: ".$_POST['amendtown']. "<br>";
39             echo "Country: ".$_POST['amendcountry']. "<br>";
40             echo "Email: ".$_POST['amendemail']. "<br>";
41             echo "Website: ".$_POST['amendwebsite']. "<br>";
42             echo "Telephone: ".$_POST['amendphone']."' has been updated" . "<br>" . "<br>";
43         } else {
44             echo "No records were changed.";
45         }
46         echo "<form action='AmendView.html.php' method='post'>
47             <input class='btn' type='submit' value='Return to Amend/View Page'>
48         </form>";
49     }
50     mysqli_close($con);
51 ?>
52     </div>
53     </div>
54 </body>
55 </html>
```

/Mirella/AmendViewListBox.php

 AmendViewListBox.php

```
1 <?php
2 $sql="SELECT supplierId,name,street,town,country,email,website,telephone FROM Supplier where deleted = 0 AND name != '' AND street != '' AND town
!="" AND country != "" AND town != "" AND email != '' AND website != '' AND telephone !='";
3 include 'GeneralListbox.php';
4 ?>
```

/Mirella/GeneralListbox.php (used also in different files)

 GeneralListbox.php

```
1 <?php
2 include "db.inc.php"; //database connection
3 date_default_timezone_set('UTC');
4 if (!$result = mysqli_query($con, $sql)){
5 die('Error in querying the database'. mysqli_error($con));
6 }
7 echo "<br><select name ='listbox' id='listbox' onclick='populate()'>";
8 while ($row = mysqli_fetch_array($result))
9 {
10     $id = $row['supplierId'];
11     $name = $row['name'];
12     $street = $row['street'];
13     $town = $row['town'];
14     $country = $row['country'];
15     $email = $row['email'];
16     $website = $row['website'];
17     $telephone = $row['telephone'];
18     $allText = "$id,$name,$street,$town,$country,$email,$website,$telephone";
19     echo "<option value = '$allText'>$id $name</option>";
20 }
21
22 echo "</select>";
23 mysqli_close($con);
24 ?>
```

Delete a Supplier

The screenshot shows the Optician software interface. On the left is a sidebar with a blue background containing the Optician logo and various menu items: Dashboard, Counter Sales, Contact Lens Sales, Spectacle Sales, Eye Tests, Stock Control, File Maintenance, and a Logout link at the bottom.

The main area is titled "Delete a Supplier". It contains a message: "Please select a person and then click the delete button". Below this is a dropdown menu showing "18 Martin Murphy". There are several input fields for "Supplier Id", "Full Name", "Street", "Town", "Country", "Email", "Website", and "Phone". At the bottom is a blue button labeled "Delete the record".

/Mirella/Delete.html.php

Delete.html.php

```
1 <?php session_start();
2 ?>
3 <html>
4 <head>
5 <head>
6     <!--Mirella Glowinska C00275764-->
7     <meta charset="utf-8">
8     <meta name="viewport" content="width=device-width, initial-scale=1">
9     <!-- use icons from fontawesome -->
10    <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></script>
11    <link rel="stylesheet" type="text/css" href="styles.css">
12    <link rel="stylesheet" type="text/css" href="layout.css">
13 </head>
14 </head>
15 <body>
16
17 <script>
18 function populate(){
19     var sel = document.getElementById("listbox");
20     var result;
21     result = sel.options[sel.selectedIndex].value;
22     var personDetails = result.split(',');
23     document.getElementById("display").innerHTML = "The details of the selected person are: " + result;
24     document.getElementById("delid").value = personDetails[0];
25     document.getElementById("deliname").value = personDetails[1];
26     document.getElementById("delistreet").value = personDetails[2];
27     document.getElementById("delitown").value = personDetails [3];
28     document.getElementById("delicountry").value = personDetails[4];
29     document.getElementById("deliemail").value = personDetails[5];
30     document.getElementById("deliwebsite").value = personDetails[6];
31     document.getElementById("deliphone").value = personDetails [7];
32 }
33 }
34
35 function confirmCheck(){
36     var response;
37     response = confirm('Are you sure you want to delete this supplier (Y/N)?');
38     if (response){
39         document.getElementById("delid").disabled = false;
40         document.getElementById("deliname") .disabled = false;
41         document.getElementById("delistreet").disabled= false;
42         document.getElementById("delitown") .disabled = false;
43         document.getElementById("delicountry").disabled = false;
44         document.getElementById("deliemail") .disabled = false;
45         document.getElementById("deliwebsite").disabled= false;
46         document.getElementById("deliphone") .disabled = false;
47         return true;
48     }else{
49         populate();
50         return false;
51     }
52 }
```

```

53 </script>
54     <div class="container">
55     <?php include ".../sidebar.html" ?>
56     <div id="content">
57
58     <h1> Delete a Supplier</h1><br><br><br>
59
60
61     <p id="display"> </p>
62     <form class="myForm" name="deleteForm" action="delete.php" onsubmit="return confirmCheck()" method="post">
63     <h4>Please select a person and then click the delete button</h4>
64     <?php include 'DeleteListBox.php'; ?>
65     <label for="delid">Supplier Id </label>
66     <input type="text" name="delid" id = "delid" disabled>
67     <label for="deliname">Full Name </label>
68     <input type="text" name="deliname" id="deliname" disabled >
69     <label for="delistreet">Street</label>
70     <input type="text" name="delistreet" id="delistreet" disabled>
71     <label for="delitown">Town</label>
72     <input type="text" name="delitown" id="delitown" disabled>
73     <label for="delicountry">Country</label>
74     <input type="text" name="delicountry" id="delicountry" disabled>
75     <label for="deliemail">Email</label>
76     <input type="email" name="deliemail" id="deliemail" disabled>
77     <label for="deliwebsite">Website</label>
78     <input type="text" name="deliwebsite" id="deliwebsite" disabled>
79     <label for="deliphone">Phone</label>
80     <input type="text" name="deliphone" id="deliphone" disabled>
81     <br><br>
82     <input class="btn" type="submit" value="Delete the record" >
83   </form>
84   </div></div></body> </html>
85 <?php
86
87     if (ISSET($_SESSION["personid"])) {
88         echo "<h1 class='myMessage'>Record deleted for ". $_SESSION["firstname"] . " ". $_SESSION["lastname"]. "</h1>" ;
89         session_destroy();
90     ?>
91

```

/Mirella/delete.php

 delete.php

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <!--Mirella Glowinska C00275764-->
5     <meta charset="utf-8">
6     <meta name="viewport" content="width=device-width, initial-scale=1">
7     <!-- use icons from fontawesome -->
8     <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></script>
9     <link rel="stylesheet" type="text/css" href="../../styles.css">
10    <link rel="stylesheet" type="text/css" href="layout.css">
11 </head>
12 <body>
13     <div class="container">
14         <?php include "../sidebar.html" ?>
15         <div class="main_content">
16
17 <?php
18     session_start();
19 ?>
20 <?php
21 include 'db.inc.php';
22 $sql = "UPDATE Supplier SET deleted = true WHERE supplierId='$_POST[delid]'";
23 if (! mysqli_query($con, $sql))
24 {
25     echo "Error ".mysqli_error($con);
26 }
27 else
28 {
29     if (mysqli_affected_rows ($con) != 0){
30
31         echo mysqli_affected_rows($con)." record deleted <br>";
32         echo "Supplier ID: ".$_POST['delid']. "<br>";
33         echo "Full Name: ".$_POST['deliname']. "<br>";
34         echo "Street: ".$_POST['delistreet']. "<br>";
35         echo "Town: ".$_POST['delitown']. "<br>";
36         echo "Country: ".$_POST['delicountry']. "<br>";
37         echo "Email: ".$_POST['deliemail']. "<br>";
38         echo "Website: ".$_POST['deliwebsite']. "<br>";
39         echo "Telephone: ".$_POST['deliphone']." has been deleted" . "<br>" . "<br>";
40     } else {
41         echo "No records were changed.";
42     }
43     echo "<form action='Delete.html.php' method='post'>
44         <input class='btn' type='submit' value='Return to Amend/View Page'>
45     </form>";
46 }
47 // Set session variables
48 $_SESSION["supplierId"] = $_POST['delid'];
49 $_SESSION["name"] = $_POST['deliname'];
50 $_SESSION["street"] = $_POST['delistreet'];
51 $_SESSION["town"] = $_POST['delitown'];
52 $_SESSION["country"] = $_POST['delicountry'];
53 $_SESSION["email"] = $_POST['deliemail'];
54 $_SESSION["website"] = $_POST['deliwebsite'];
55 $_SESSION["telephone"] = $_POST['deliphone'];
56 mysqli_close($con);
57 ?>
58     </div>
59     </div>
60 </body>
```

```
61 </html>
62
```

/Mirella/DeleteListBox.php

 DeleteListBox.php

```
1 ?>php
2 $sql="SELECT * FROM Supplier WHERE Supplier.deleted =0 AND name !='' AND street != '' AND town != '' AND country != '' AND town != '' AND email
!= '' AND website != '' AND telephone != '' AND NOT EXISTS (SELECT * FROM Stock WHERE Supplier.supplierId = Stock.supplierId);";
3 include 'GeneralListbox.php';
4 ?&gt;</pre
```

Orders

The screenshot shows the Optician software interface. On the left is a vertical navigation menu with the following items:

- Dashboard
- Counter Sales
- Contact Lens Sales
- Spectacle Sales
- Eye Tests
- Stock Control
- File Maintenance

At the bottom of the menu is a "Quit" button.

The main content area has a title "Orders" and a sub-instruction "Please select a person and then click the amend button to allow update". Below this is a modal dialog box containing the following information:

The details of the selected stock are:
7,Red Square Frames,20,10,2,Adam Adams

Two dropdown menus are shown:

- Adam Adams
- 7,Red Square Frames,20,10,2,Adam Adams

Below the dropdowns is a "Items quantity" input field containing the value "1".

At the bottom of the modal are three buttons: "Accept", "Clear orders", and "Print".

The screenshot shows the Optician software interface. On the left is a vertical navigation menu with the following items:

- Dashboard
- Counter Sales
- Contact Lens Sales
- Spectacle Sales
- Eye Tests
- Stock Control
- File Maintenance

At the bottom of the menu is a "Quit" button.

The main content area has a title "Order Letter to Supplier". Inside the box, there is a header section with the recipient's address:

SpecsWorld,
Main Street,
Carlow,
Kilkenny,
Ireland
2023-03-19

Below the address is the "Order Number: 31".

The next section is titled "Please supply the following stock:".

Quantity	Stock Item Desc	Your Stock Code
1	Blue Round Frames	9

Below the table, the text reads "Yours sincerely," followed by "Mirella Glowinska, Optician."

/Mirella/AcceptOrder.php

 AcceptOrder.php

```
1 <?php
2     $message = "Something went wrong.";
3     if(isset($_POST['listboxStock'])) {
4         $id = explode(',',$_POST['listboxStock'])[0]; // Order ID from listbox
5         $count = $_POST['quantityValue'];
6
7         if (isset($_COOKIE['stockData'])) {
8             $cookie = $_COOKIE['stockData'];
9             setcookie('stockData', "$cookie|$id:$count", time() + 1440, '/');
10        } else {
11            setcookie('stockData', "$id:$count", time() + 1440, '/');
12        }
13
14        $message = "Item added: $id";
15    }
16
17    header("Location: Orders.php?message=$message");
18    exit();
19 ?>
```

/Mirella/ClearOrders.php ClearOrders.php

```
1 <?php
2     //Mirella Glowinska C00275764
3     $message = "Data cleared.";
4
5     setcookie('stockData', null, -1, '/');
6
7     header("Location: Orders.php?message=$message");
8 ?>
```

/Mirella/DBGetStock.php

DBGetStock.php

```
1 <?php
2 //Mirella Glowinska C00275764
3
4 class StockSupplierData {
5     public $stockId;
6     public $description;
7     public $category;
8     public $costPrice;
9     public $retailPrice;
10    public $quantityInStock;
11    public $reorderQuantity;
12    public $deleted;
13    public $supplierId;
14    public $supplierName;
15    public $supplierStreet;
16    public $supplierTown;
17    public $supplierCountry;
18    public $supplierEmail;
19
20    private $row;
21
22    function __construct($row) {
23        $this->row = $row;
24        $this->stockId = $this->retrieveData('stockId');
25        $this->description = $this->retrieveData('description');
26        $this->category = $this->retrieveData('category');
27        $this->costPrice = $this->retrieveData('costPrice');
28        $this->retailPrice = $this->retrieveData('retailPrice');
29        $this->quantityInStock = $this->retrieveData('quantityInStock');
30        $this->reorderQuantity = $this->retrieveData('reorderQuantity');
31        $this->deleted = $this->retrieveData('description');
32        $this->supplierId = $this->retrieveData('supplierId');
33        $this->supplierName = $this->retrieveData('name');
34        $this->supplierStreet = $this->retrieveData('street');
35        $this->supplierTown = $this->retrieveData('town');
36        $this->supplierCountry = $this->retrieveData('country');
37        $this->supplierEmail = $this->retrieveData('email');
38        $this->row = null;
39    }
40
41    function __toString() {
42        return serialize($this);
43    }
44
45    function retrieveData($name) {
46        $data = $this->row[$name] ?? NULL;
47        if($data == NULL)
48            $data = "Unassigned";
49        return $data;
50    }
51 }
```

```

57 include "db.inc.php"; //database connection
58 date_default_timezone_set('UTC');
59
60 $dataMap = array();
61
62 $sql="SELECT * FROM Stock LEFT JOIN Supplier ON Stock.supplierId = Supplier.supplierId WHERE Stock.deleted = 0";
63
64 if (!$result = mysqli_query($con, $sql)) {
65     die(mysqli_error($con));
66 }
67
68 // Iterate through collected data
69 while ($row = mysqli_fetch_array($result))
70 {
71     $obj = new StockSupplierData($row);
72     $stockId = $obj->stockId;
73
74     $dataMap += [$stockId => $obj];
75 }
76 ?>

```

/Mirella/DBMakeOrders.php

DBMakeOrders.php

```
1 <?php
2 // Mirella Glowinska C00275764
3 // Requires to set supplierId, databaseCon, stockId and quantity.
4 class DBOrdersManager {
5     public $index;
6     public $date;
7     public $supplierId;
8
9     private $con;
10
11    function __construct($supplierId, $databaseCon) {
12        $this->date = date("Y-m-d");
13        $this->supplierId = $supplierId;
14        $this->con = $databaseCon;
15    }
16
17    function getLastIndex()
18    {
19        $getLastOrder = "SELECT (O.orderId + 1) AS ID FROM `Order` AS O ORDER BY O.orderId DESC LIMIT 1";
20
21        if (!$result = mysqli_query($this->con, $getLastOrder)) {
22            return mysqli_error($this->con);
23        }
24
25        while ($row = mysqli_fetch_array($result))
26        {
27            $this->index = $row['ID'];
28            break;
29        }
30        return true; // success
31    }
32
33    function makeOrder()
34    {
35        $ordersInsert="INSERT INTO `Order` (`orderId`, `date`, `supplierId`, `delivered`)
36            VALUES('$this->index','$this->date','$this->supplierId','0')";
37
38        /*echo $ordersInsert; debug*/
39
40        if (!$result = mysqli_query($this->con, $ordersInsert)) {
41            return mysqli_error($this->con);
42        }
43        return true; // success
44    }
45
46    function addOrderItem($stockId, $quantity)
47    {
48        $ordersItemsInsert="INSERT INTO `Order_Item` (`orderId`, `stockId`, `quantity`)
49            VALUES('$this->index','$stockId','$quantity')";
50
51        if (!$result = mysqli_query($this->con, $ordersItemsInsert)) {
52            return mysqli_error($this->con);
53        }
54        return true; // success
55    }
56 }
57 ?>
```

/Mirella/SuppliersListbox.php

 SuppliersListbox.php

```
1 <?php
2 include "db.inc.php"; //database connection
3 date_default_timezone_set('UTC');
4 $sql="SELECT supplierId,name,street,town,country,email,website,telephone FROM Supplier where deleted = 0";
5 if (!$result = mysqli_query($con, $sql)){
6 die('Error in querying the database'. mysqli_error($con));
7 }
8 $isSelected = isset($_POST['listbox']);
9 $selectedId;
10 if($isSelected) {
11     $selectedId = explode(',',$_POST['listbox'])[0];
12 }
13
14 echo "<br><select name='listbox' id='listbox' onclick='populate()' onchange='refresh()'>";
15 echo "<option value='none'> Please select a supplier</option>";
16
17 while ($row = mysqli_fetch_array($result))
18 {
19
20     $id = $row['supplierId'];
21     $name = $row['name'];
22     $street = $row['street'];
23     $town = $row['town'];
24     $country = $row['country'];
25     $email = $row['email'];
26     $website = $row['website'];
27     $telephone = $row['telephone'];
28     $allText = "$id,$name,$street,$town,$country,$email,$website,$telephone";
29     $isDefault = "";
30     if($isSelected && $selectedId == $id){
31         $isDefault = "data-default='true'";
32     }
33     echo "<option value= '$allText' $isDefault>$name</option>";
34 }
35
36 echo "</select>";
37 mysqli_close($con);
38 ?>
```

/Mirella/OrderListbox.php

OrderListbox.php

```
1 <?php
2 //Mirella Glowinska C00275764
3 include "db.inc.php";//database connection
4 date_default_timezone_set('UTC');
5 $sql="SELECT * FROM Stock LEFT JOIN Supplier ON Supplier.supplierId = Stock.supplierId where Stock.deleted = 0 AND Supplier.name != '' AND
Supplier.street != '' AND Supplier.town != '' AND Supplier.country != '' AND Supplier.town != '' AND Supplier.email != '' AND Supplier.website != ''
AND Supplier.telephone != ''";
6
7 if (!$result = mysqli_query($con, $sql)){
8     die('Error in querying the database'. mysqli_error($con));
9 }
10
11 echo "<br><select name ='listboxStock' id='listboxStock' onclick='populateStock()'>";
12
13 $isSelected = isset($_POST['listboxStock']);
14 $isSelectedSupplier = isset($_POST['listbox']) && $_POST['listbox'][0] != 'none';
15 $counter = 0;
16
17 while ($row = mysqli_fetch_array($result)){
18     // compare supplierId from listbox with current supplierId
19     if ($isSelectedSupplier && $_POST['listbox'][0] != $row['supplierId'])
20         continue;
21
22     $id = $row['stockId'];
23     $description = $row['description'];
24     $quantityInStock = $row['quantityInStock'];
25     $reorderQuantity = $row['reorderQuantity'];
26     $supplierId= $row['supplierId'];
27     $name = $row['name'];
28     $allText = "$id,$description,$quantityInStock,$reorderQuantity,$supplierId,$name";
29
30     $isDefault = "";
31     if($isSelected && $_POST['listboxStock'][0] == $id){
32         $isDefault = "data-orderDefault='true'";
33     }
34     echo "<option value='$allText' $isDefault>$allText</option>";
35     $counter++;
36 }
37
38 if ($counter == 0) {
39     echo "<option value='0'>No items available</option>";
40     echo "</select>";
41 }
42 else
43 {
44     echo "</select>";
45
46     if($isSelectedSupplier)
47     {
48         echo "<br>";
49         echo "<p name='quantity'>Items quantity</p>";
50         echo "<input type='number' name='quantityValue' min='1' value='1'>";
51         echo "<br><br>";
52         echo "<input class='btn' type='submit' formaction='AcceptOrder.php' value='Accept'>";
53     }
54 }
55 mysqli_close($con);
56
57 ?>
```

/Mirella/Orders.php

Orders.php

```
1 <html>
2 <head>
3     <!--Mirella Glowinska C00275764 -->
4     <meta charset="utf-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1">
6     <!-- use icons from fontawesome -->
7     <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></script>
8     <link rel="stylesheet" type="text/css" href="styles.css">
9     <link rel="stylesheet" type="text/css" href="layout.css">
10 </head>
11 <body>
12 <script>
13 function populateStock()
14 {
15     let sel = document.getElementById("listboxStock");
16     let result = sel.options[sel.selectedIndex].value;
17     let stockDetails = result.split(',');
18     let value = sel.value;
19     if(value != "")
20         document.getElementById("display").innerHTML = "The details of the selected stock are: "+ result;
21     else
22         document.getElementById("display").innerHTML = result;
23 }
24 var canRefresh = false;
25 function refresh(){
26     let form = document.getElementById("myForm");
27     form.submit();
28 }
29 function populate()
30 {
31     let sel = document.getElementById("listbox");
32     let result = sel.options[sel.selectedIndex].value;
33     let SupplierDetails = result.split(',');
34     //var supplierName = SupplierDetails[1];
35     let value = sel.value;
36 }
37
38 function confirmCheck(){
39     var response;
40     response = confirm('Are you sure you want to save these changes?');
41     if (response){
42         return true;
43     }
44     else {
45         populate();
46         return false;
47     }
48 }
49 </script>
50 <div class="container">
51     <?php include "../sidebar.html" ?>
52     <div id="content">
53
54         <h1>Orders</h1><br><br><br>
55         <h4>Please select a person and then click the amend button to allow update</h4>
56         <form class="myForm" id="myForm" name="myForm" onsubmit="return confirmCheck()" method="post">
57
58             <p id="displaySupplier"> </p>
59             <p id="disolav"> </p>
```

```

60     <?php include 'listbox.php' ?>
61     <?php include 'OrderListbox.php' ?>
62     <?php
63         if(isset($_COOKIE['stockData']))
64         {
65             echo "<br>";
66             echo "<input class='btn' type='submit' formaction='ClearOrders.php' value='Clear orders'>";
67             echo "<br>";
68             echo "<input class='btn' type='submit' formaction='ViewLetter.php' value='Print'>";
69         }
70     ?>
71     </form>
72     <script>
73         let sel = document.getElementById("listbox");
74         let sel2 = document.getElementById("listboxStock");
75
76         let defaultOption = document.querySelector("option[data-default='true']");
77         let defaultOption2 = document.querySelector("option[data-orderDefault='true']");
78
79         if(defaultOption) {
80             sel.removeChild(sel.firstChild);
81             sel.prepend(defaultOption);
82             sel.value = defaultOption.value;
83         }
84
85         if(defaultOption2) {
86             sel2.removeChild(sel2.firstChild);
87             sel2.prepend(defaultOption2);
88             sel2.value = defaultOption2.value;
89         }
90     </script>
91     </div>
92 </div>
93 </body></html>
```

/Mirella/ViewLetter.php

 ViewLetter.php

```
1 <?php
2     //Mirella Glowinska C00275764
3     class SupplierOrders
4     {
5         public $supplierId;
6         public $orders = array();
7
8         function __construct($supplierId) {
9             $this->supplierId = $supplierId;
10        }
11
12        function __toString() {
13            return serialize($this);
14        }
15
16        function addOrder($stockId, $quantity) {
17            $this->orders += [$stockId => $quantity];
18        }
19    }
20 ?>
21 <html><head>
22     <meta charset="utf-8">
23     <meta name="viewport" content="width=device-width, initial-scale=1">
24     <!-- use icons from fontawesome -->
25     <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></script>
26     <link rel="stylesheet" type="text/css" href="styles.css">
27     <link rel="stylesheet" type="text/css" href="layout.css">
28     <link rel="stylesheet" type="text/css" href="letter.css">
29
30 </head>
31 <body>
32
33 <div class="container">
34     <?php include "../sidebar.html" ?>
35     <div id="content">
36         <div>
37             <h2>Order Letter to Supplier</h2>
38             <?php
39                 $message = "";
40
41                 if(isset($_COOKIE['stockData']))
42                 {
43                     include "DBGetStock.php"; // receive $dataMap
44
45                     $cookie = $_COOKIE['stockData'];
46                     $values = explode('|', $cookie);
47
48                     $suppliersMap = array();
49
50                     for($count = 0; $count < count($values); $count++)
51                     {
52                         $keyValue = explode(':', $values[$count]); // key - id, value - count
53
54                         // Set insert values
55                         $stockId = $keyValue[0];
```

 ViewLetter.php

```
56
57     // Prevent wrong/outdated data
58     if(!isset($dataMap[$stockId])) {
59         echo "$stockId does not exists<br>";
60         continue;
61     }
62
63     $supplierId = $dataMap[$stockId]->supplierId;
64     $quantity = $keyValue[1];
65
66     if(isset($suppliersMap[$supplierId])) {
67         $suppliersMap[$supplierId]->addOrder($stockId, $quantity);
68     }
69     else {
70         $supplierOrder = new SupplierOrders($supplierId);
71         $supplierOrder->addOrder($stockId, $quantity);
72         $suppliersMap += [$supplierId => $supplierOrder];
73     }
74 }
75
76 include "DBMakeOrders.php"; // receive DBOrdersManager class
77 foreach ($suppliersMap as &$supplierOrders) {
78     $val1 = $supplierOrders->supplierId;
79     // $val2 = serialize($supplierOrders->orders);
80     // echo "$val1: $val2<br>";
81
82     $DBOrders = new DBOrdersManager($val1, $con);
83
84     if($res = !$DBOrders->getLastIndex()) {
85         echo "ERROR: {$res}";
86     }
87
88     if($res = !$DBOrders->makeOrder()) {
89         echo "ERROR: {$res}";
90     }
91
92     $index = $DBOrders->index;
93     $date = $DBOrders->date;
94     $init = false;
95     $supplierName;
96     $town;
97     $street;
98     $county;
99
100    foreach ($supplierOrders->orders as $k => $v) {
101        if($res = !$DBOrders->addOrderItem($k, $v)) {
102            echo "ERROR: {$res}";
103        }
104        else {
105            if(!$init) // try get supplier informations
106            {
107                $town = $dataMap[$k]->supplierTown;
108                $street = $dataMap[$k]->supplierStreet;
109                $county = $dataMap[$k]->supplierCountry;
110                $supplierName = $dataMap[$k]->supplierName;
111                $init = true;
112            }
113        }
114    }
115 }
```

 ViewLetter.php

```
112                         print = true,
113                     }
114                 }
115             }
116
117             if($init) // data loaded correctly. draw letter
118         {
119             echo "
120                 <div class ='SupplierLetter'>
121                     <div class='RightTopLetter'>
122                         <div>SpecsWorld,</div>
123                         <div>Main Street,</div>
124                         <div>Carlow,</div>
125                         <div>$date</div>
126                     </div>
127                     <div class='LeftTopLetter'>
128                         <div>$supplierName,</div>
129                         <div>$street,</div>
130                         <div>$town,</div>
131                         <div>$county</div>
132                     </div>
133                     <div class='MidLetterHeader'>
134                         <h2>Order Number: $index</h2>
135                     </div>
136                     <p>
137                         Please supply the following stock:
138                     </p>
139                     <table>
140                         <thead style='font-weight: bold;'>
141                             <td>Quantity</td>
142                             <td>Stock Item Desc</td>
143                             <td>Your Stock Code</td>
144                         </thead>";
145             foreach ($supplierOrders->orders as $k => $v)
146             {
147                 $details = $dataMap[$k]->description;
148                 echo "<tr>
149                     <td>$v</td>
150                     <td>$details</td>
151                     <td>$k</td>
152                 </tr>";
153             }
154             echo "<br><br>";
155             echo "</table><p class='Signature'>Yours sincerely,</p>
156             <p class='Signature'>Mirella Glowinska,</p>
157             <p class='Signature'>Optician.</p></div>";
158
159         }
160     }
161
162     // clear remaining data from cookies
163
164     // setcookie('stockData', null, -1, '/');
165 }
166 ?>
167 </div>
168 </div>
169 </body></html>
170
```

/Mirella/letter.css



letter.css

```
1 /*Mirella Glowinska C00275764*/
2 .SupplierLetter {
3     display: flex;
4     position: relative;
5     width: 500px;
6     height: auto;
7     border: 1px solid black;
8     align-items: stretch;
9     flex-direction: column;
10    padding-left: 20px;
11    padding-right: 20px;
12    margin-top: 20px;
13    min-height: 500px
14 }
15
16 .RightTopLetter {
17     margin-left: auto;
18     margin-right: 0;
19 }
20
21 .LeftTopLetter {
22     margin-right: auto;
23     margin-left: 0;
24 }
25
26 .MidLetterHeader {
27     margin-left: auto;
28     margin-right: auto;
29 }
30 .signature{
31     position: relative;
32     margin-left: 50%;
33 }
34 #sidebar{
35     position: fixed;
36 }
```

Dawid Pionk

Add Eye Test

O ptician

- Dashboard
- Counter Sales
- Contact Lens Sales
- Spectacle Sales
- Eye Tests**
- Stock Control
- File Maintenance

Quit

Choose Customer

Customer ID	First Name	Last Name	street	town	country	Date Of Birth	Choose
1	Dawid	Pionk	81 Mansfield	Athy	Kildare	2001-02-10	<input type="button" value="Select"/>
2	Nina	Nowak	2 Glebelands	Athy	Ireland	2004-02-12	<input type="button" value="Select"/>
3	Peter	Murphy	21 O'Connell	Galway	Ireland	2003-01-06	<input type="button" value="Select"/>
4	Douglass	Kadzutus	51 College Greens	Carlow	Irelands	1993-07-01	<input type="button" value="Select"/>

Nina Nowak's Eye Test Table

Eye Test ID	Customer ID	Left Eye	Right Eye	Date
32	2	1	1	2023-03-24
33	2	0.01	0.01	2023-04-06

Select the amount of entries you want to enter

Insert Eye Test

Eye Test ID	Customer ID	Left Eye	Right Eye	Date
<input type="text" value="35"/>	<input type="text" value="2"/>	<input type="text" value="Enter Here"/>	<input type="text" value="Enter Here"/>	<input type="text" value="dd / mm / yyyy"/>

ChooseCustomer.html.php

```
1 <!DOCTYPE html>
2 <!--Name of Screen: chooseCustomer.html.php-->
3 <!--Purpose of screen: Lets the user to enter data, that will later be entered into the eye test table-->
4 <!--Student ID: C00273530-->
5 <!--Name: Dawid Pionk-->
6 <!--Date: 15/03/2023-->
7 <?php
8     // Sets up basic php connection and sqls
9     session_start();
10    include "../../db.inc.php";
11    // Sets the current Date
12    date_default_timezone_set("UTC");
13    $date = date("Y-m-d");
14
15    // SQL that extracts all not deleted eye test
16    $sqlEyeTest = "Select * from Eye_Test where deleted=0";
17    $eyeTestResult = mysqli_query($con, $sqlEyeTest);
18    $eyeTestRowCount = mysqli_affected_rows($con);
19
20    // SQL that extracts all not deleted data from customer table
21    $sql = "Select customerId, firstname, surname, street, town, country, dateOfBirth from Customer where
22        deleted=0";
23    $result = mysqli_query($con, $sql);
24    $rowcount = mysqli_affected_rows($con);
25 ?>
26 <html>
27 <head>
28     <meta charset="utf-8">
29     <meta name="viewport" content="width=device-width, initial-scale=1">
30     <!-- use icons from fontawesome -->
31     <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></script>
32     <link rel="stylesheet" type="text/css" href="https://c2popticians23.candept.com/styles.css">
33     <title>Optician Dashboard</title>
34     <script type="text/javascript">
```

```

35
36 // Displays most of the components on the page and generates the eye test table
37 function makeEyeTestTable(value)
38 {
39     let resultArray = value.split(',');
40     var row;
41     var eyeTestTable = document.getElementById("eyeTestTable");
42     var insertEyeTestTable = document.getElementById("insertEyeTestTable");
43     var submitButton = document.getElementById("submitButton");
44     var listbox = document.getElementById("listboxContainer");
45     eyeTestTable.removeAttribute("hidden");
46     insertEyeTestTable.removeAttribute("hidden");
47     submitButton.removeAttribute("hidden");
48     listboxContainer.removeAttribute("hidden");
49
50     // Clears older entries in the table
51     while(eyeTestTable.rows.length != 2){
52         eyeTestTable.deleteRow(2);
53     }
54     eyeTestTable.rows[0].cells[0].innerHTML = resultArray[1] + " " + resultArray[2] + "'s Eye Test
55 Table";
56
57     // Fills up the Eye Test Tables
58     while($row = mysqli_fetch_array($eyeTestResult)){
59     ?>
60         // Selects if eye test matches selected customer
61         if(resultArray[0] == <?php echo $row['customerId']?>){
62             row = eyeTestTable.insertRow(-1);
63             row.insertCell(-1).innerHTML = "<?php echo $row['eyeTestId']; ?>";
64             row.insertCell(-1).innerHTML = "<?php echo $row['customerId']; ?>";
65             row.insertCell(-1).innerHTML = "<?php echo $row['leftEye']; ?>";
66             row.insertCell(-1).innerHTML = "<?php echo $row['rightEye']; ?>";
67             row.insertCell(-1).innerHTML = "<?php echo $row['date']; ?>";
68         }

```

```

69         <?php
70             }
71         ?>
72         populateInsertTable(resultArray[0]);
73     }
74
75     // This function is called after a customer is selected
76     function selectCustomer(value){
77         let resultArray = value.split(',');
78         let response = confirm("You sure you want to select: " + resultArray[1] + " " + resultArray[2] +
    " " + resultArray[3] + " " + resultArray[4]);
79
80         // Checks whether the user clicked yes on the confirm popup
81         if(response){
82             makeEyeTestTable(value);
83         }
84     }
85
86     // Generates the insert Eye Test Table
87     function populateInsertTable(customerId){
88         <?php
89             // SQL that Selects all eye Tests including the deleted ones
90             $insertTableSql = "Select * from Eye_Test";
91             $insertTableResult = mysqli_query($con, $insertTableSql);
92
93             // Checks what's the last eye test id on the table
94             while($row = mysqli_fetch_array($insertTableResult)) {
95                 $lastEyeTestId = $row['eyeTestId'];
96             }
97             $lastEyeTestId++;
98         ?>
99
100        var row;
101        var count=0;

```

```

102     var selected = document.getElementById("listbox");
103     var eyeTestTable = document.getElementById("eyeTestTable");
104     var insertEyeTestTable = document.getElementById("insertEyeTestTable");
105     var result = selected.options[selected.selectedIndex].value;
106     var eyeTestId = <?php echo $lastEyeTestId; ?>;
107
108     // Converts result and eyeTestId to ints
109     result = parseInt(result);
110     eyeTestId = parseInt(eyeTestId);
111
112     // Checks whether the function was called from the select customer table or the listbox
113     if(customerId == undefined){
114         customerId = document.getElementById('customerIdInput').getAttribute("value");
115     }
116     // Clears the insert eye test table
117     while(insertEyeTestTable.rows.length != 2){
118         insertEyeTestTable.deleteRow(2);
119     }
120     // Populates cells in the insert eye test table
121     while(result != 0){
122         row = insertEyeTestTable.insertRow(-1);
123         row.insertCell(-1).innerHTML = "<input type='text' name='eyeTestId[]' id='eyeTestId' value
= '' required readonly>";
124         document.getElementsByName('eyeTestId[]')[count].setAttribute("value", eyeTestId);
125         row.insertCell(-1).innerHTML = "<input type='text' name='customerIdInput[]'
id='customerIdInput' value = '' required readonly>";
126         document.getElementsByName('customerIdInput[]')[count].setAttribute("value", customerId);
127         row.insertCell(-1).innerHTML = "<input type='number' name='leftEye[]' id='leftEye'
placeholder='Enter Here' step='0.01' required>";
128         row.insertCell(-1).innerHTML = "<input type='number' name='rightEye[]' id='rightEye'
placeholder='Enter Here' step='0.01' required>";
129         row.insertCell(-1).innerHTML = "<input type='date' name='eyeTestDate[]' value='<?php echo
$date;?>' id='eyeTestDate' required>";
130         eyeTestId+=1;
131         count++;

```

```
132         result-=1;
133     }
134 }
135 function date(){
136     date = new Date();
137     return date;
138 }
139 // Function that checks whether you want to add the entries
140 function verifyEntry(){
141     var response;
142     response = confirm("Are you sure you want to add this entry to the table");
143     if(response){
144         return true;
145     }
146     else {
147         return false;
148     }
149 }
150 </script>
151 </head>
152 <body>
153     <div class="container">
154         <?php include "../../../../sidebar.html" ?>
155         <div id="content">
156
157             <!--Table that displays the customers-->
158             <table id="customerTable" class="tables">
159                 <tr>
160                     <th colspan="8" class="tablehead">Choose Customer</th>
161                 </tr>
162                 <tr>
163                     <th>Customer ID</th>
164                     <th>First Name</th>
165                     <th>Last Name</th>
166                     <th>street</th>
```

```

167      <th>town</th>
168      <th>country</th>
169      <th>Date Of Birth</th>
170      <th>Choose</th>
171    </tr>
172    <tr >
173      <?php
174          // Populates the customer table
175          while($row = mysqli_fetch_array($result)) {
176              $id = $row['customerId'];
177              $fname = $row['firstname'];
178              $sname = $row['surname'];
179              $street = $row['street'];
180              $town = $row['town'];
181              $country = $row['country'];
182              $date = $row['dateOfBirth'];
183              $allText = "$id,$fname,$sname,$street,$town,$country,$date";
184          ?>
185          <td><?php echo $row['customerId']; ?></td>
186          <td><?php echo $row['firstname']; ?></td>
187          <td><?php echo $row['surname']; ?></td>
188          <td><?php echo $row['street']; ?></td>
189          <td><?php echo $row['town']; ?></td>
190          <td><?php echo $row['country']; ?></td>
191          <td><?php echo $row['dateOfBirth']; ?></td>
192          <td><button value ='<?php echo $allText; ?>' name="selectButton"
193             onclick="selectCustomer(this.value)">Select</button></td>
194      </tr>
195      <?php
196          }
197      ?>
198    </table>
199
200    <!--Table that contains all the eye test tables-->
201    <table id="eyeTestTable" class='tables' hidden>

```

```

201     <tr>
202         <th colspan="5" class="tablehead">Eye Tests</th>
203     </tr>
204     <tr>
205         <th>Eye Test ID</th>
206         <th>Customer ID</th>
207         <th>Left Eye</th>
208         <th>Right Eye</th>
209         <th>Date</th>
210     </tr>
211     </table>
212     <br><br>
213
214 <!--A listbox to select amount of rows you want to enter-->
215     <div id="listboxContainer" hidden>
216         <label for="listbox">Select the amount of entries you want to enter</label>
217         <select name='listbox' id='listbox' onclick="populateInsertTable()" >
218             <option value="1">1</option>
219             <option value="2">2</option>
220             <option value="3">3</option>
221             <option value="4">4</option>
222             <option value="5">5</option>
223         </select>
224     </div>
225     <br><br>
226
227 <!--This table used to insert entries into the eye test table-->
228     <form action="insertEyeTest.php" method="post" class="forms" onsubmit="return verifyEntry()">
229         <table id="insertEyeTestTable" class='tables' hidden>
230             <tr>
231                 <th colspan="5" class="tablehead">Insert Eye Test</th>
232             </tr>
233             <tr>
234                 <th>Eye Test ID</th>
235                 <th>Customer ID</th>
236                 <th>Left Eye</th>
237                 <th>Right Eye</th>
238                 <th>Date</th>
239             </tr>
240         </table>
241         <br><br>
242         <input id="submitButton" type="submit" value="submit" hidden>
243     </form>
244     </div>
245 </div>
246 </body>
247 </html>

```

InsertEye.php

```
1 <!DOCTYPE html>
2 <!--Name of Screen:      insertEyeTest.php-->
3 <!--Purpose of screen: Adds an entry to the eye test table-->
4 <!--Student ID:          C00273530-->
5 <!--Name:                Dawid Pionk-->
6 <!--Date:                15/03/2023-->
7 <html>
8 <head>
9   <meta charset="utf-8">
10  <meta name="viewport" content="width=device-width, initial-scale=1">
11  <!-- use icons from fontawesome -->
12  <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></script>
13  <link rel="stylesheet" type="text/css" href="https://c2popticians23.candept.com/styles.css">
14  <title>Optician Dashboard</title>
15  <script>
16    // Redirects back to the main page
17    function redirect(){
18      window.location.replace("../chooseCustomer.html.php");
19    }
20    window.addEventListener("load", redirect())
21
22  </script>
23 </head>
24 <body>
25   <div class="container">
26     <?php include "../../sidebar.html"; ?>
27 <?php
28   include "../../../../db.inc.php";
29   $rowCount = count($_POST['eyeTestId']);
30   $count = 0;
31
32 // Fills up the variables with POST
33 while($rowCount !=0){
34   $eyeTestId = $_POST['eyeTestId'][$count];
35   $customerId = $_POST['customerIdInput'][$count];
36   $leftEye = $_POST['leftEye'][$count];
37   $rightEye = $_POST['rightEye'][$count];
38   $date = $_POST['eyeTestDate'][$count];
39
40 // Inserts the variables into the eye test table
41   $sqlInsert = "INSERT INTO Eye_Test (eyeTestId, customerId, leftEye, rightEye, date)
42   VALUES ('$eyeTestId', '$customerId', '$leftEye', '$rightEye', '$date')";
43   $count = $count + 1;
44   $rowCount = $rowCount - 1;
45 }
46 mysqli_query($con, $sqlInsert);
47 mysqli_close($con);
48 ?>
49   </div>
50 </body>
51 </html>
```

Delete Eye Test

O ptician

- Dashboard
- Counter Sales
- Contact Lens Sales
- Spectacle Sales
- Eye Tests**
- Stock Control
- File Maintenance

Quit

Choose Customer							
Customer ID	First Name	Last Name	street	town	country	Date Of Birth	Choose
1	Dawid	Pionk	81 Mansfield	Athy	Kildare	2001-02-10	<input type="button" value="Select"/>
2	Nina	Nowak	2 Glebelands	Athy	Ireland	2004-02-12	<input type="button" value="Select"/>
3	Peter	Murphy	21 O'Connell	Galway	Ireland	2003-01-06	<input type="button" value="Select"/>
4	Douglass	Kadzutus	51 College Greens	Carlow	Irelands	1993-07-01	<input type="button" value="Select"/>

Nina Nowak's Eye Test Table					
Eye Test ID	Customer ID	Left Eye	Right Eye	Date	Choose
33	2	0.01	0.01	2023-04-06	<input type="button" value="Delete"/>
32	2	1	1	2023-03-24	<input type="button" value="Delete"/>

DeleteEyeTest.html.php

```
1 <!DOCTYPE html>
2 <!--Name of Screen: DeleteEyeTest.html.php-->
3 <!--Purpose of screen: Lets the user selet an entry from the eye test table, that later will be flagged for deletion-->
4 <!--Student ID: C00273530-->
5 <!--Name: Dawid Pionk-->
6 <!--Date: 15/03/2023-->
7 <?php
8     // Sets up basic php connection and sqls
9     session_start();
10    include "../../../../db.inc.php";
11    $sqlEyeTest = "Select * from Eye_Test where deleted=0 ORDER BY date DESC";
12    $eyeTestResult = mysqli_query($con, $sqlEyeTest);
13    $eyeTestRowCount = mysqli_affected_rows($con);
14
15    $sql = "Select customerId, firstname, surname, street, town, country, dateOfBirth from Customer where deleted=0";
16    $result = mysqli_query($con, $sql);
17    $rowCount = mysqli_affected_rows($con);
18
19?>
20<html>
21<head>
22    <meta charset="utf-8">
23    <meta name="viewport" content="width=device-width, initial-scale=1">
24    <!-- use icons from fontawesome -->
25    <script src="https://kit.fontawesome.com/e9ccd8bcf3.js" crossorigin="anonymous"></script>
26    <link rel="stylesheet" type="text/css" href="https://c2popticians23.candept.com/styles.css">
27    <title>Optician Dashboard</title>
28    <script type="text/javascript">
29
30        // Displays most of the components on the page and generates the eye test table
31        function makeEyeTestTable(value)
32        {
33            let resultArray = value.split(',');
34            var row;
35            var count=2;
36
37            var eyeTestTable = document.getElementById("eyeTestTable");
```

```

38     eyeTestTable.removeAttribute("hidden");
39
40     // Clears older entries in the table
41     while(eyeTestTable.rows.length != 2){
42         eyeTestTable.deleteRow(2);
43     }
44     eyeTestTable.rows[0].cells[0].innerHTML = resultArray[1] + " " + resultArray[2] + "'s Eye Test
Table";
45     var i=0;
46     var spec = [];
47     var makeEntry;
48
49     <?php
50         // Selects all spec Sales eye test id that have not been delivered yet
51         date_default_timezone_set("UTC");
52         $date = date("Y-m-d");
53         $specSQL = "SELECT eyeTestId FROM Spectacles_Sale WHERE dateReceived = ''";    // Take out
all the eyeTestIds that are used in spec sales
54         $specResult = mysqli_query($con, $specSQL);
55
56         // A loop that enters the above sql data into the JS spec array
57         while($row = mysqli_fetch_array($specResult)){
58             ?>
59                 spec[i] = "<?php echo $row['eyeTestId']; ?>";
60                 i++;
61             <?php
62             }
63             // Fills up the Eye Test Tables
64             while($row = mysqli_fetch_array($eyeTestResult)){
65                 $eyeTestId = $row['eyeTestId'];
66             ?>
67                 makeEntry=true;
68
69                 // Selects the eye test results for that specific customer
70                 if(resultArray[0] == <?php echo $row['customerId']?>){
71                     for(i=0;i<spec.length;i++){
72                         // Checks whether the selected eyeTestId is in the spec array

```

```

73         if (<?php echo $row['eyeTestId']; ?> == spec[i]){
74             makeEntry = false;
75         }
76     }
77     // Enters a specific row into table if it matched the above criteria
78     if(makeEntry){
79         row = eyeTestTable.insertRow(-1);
80         row.insertCell(-1).innerHTML = "<?php echo $row['eyeTestId']; ?>";
81         row.insertCell(-1).innerHTML = "<?php echo $row['customerId']; ?>";
82         row.insertCell(-1).innerHTML = "<?php echo $row['leftEye']; ?>";
83         row.insertCell(-1).innerHTML = "<?php echo $row['rightEye']; ?>";
84         row.insertCell(-1).innerHTML = "<?php echo $row['date']; ?>";
85         row.insertCell(-1).innerHTML = "<button value = '<?php echo $eyeTestId;?>'"
86         name='deleteButton' onclick='verifyEntry(this.value)'>Delete</button>";
87     }
88     <?php
89     }
90     ?>
91 }
92
93 // This function is called after a customer is selected
94 function selectCustomer(value){
95     let resultArray = value.split(',');
96     let response = confirm("You sure you want to select: " + resultArray[1] + " " + resultArray[2] +
97     " " + resultArray[3] + " " + resultArray[4]);
98
99     if(response){
100         makeEyeTestTable(value);
101     }
102 }
103
104 // Function that verifies if the user wants to delete a specific entry
105 function verifyEntry(eyeTestId){
106     var response = confirm("Are you sure you want to delete entry: " + eyeTestId);
107     if(response){
108

```

```

107         deleteEntry(eyeTestId);
108     }
109 }
110
111 // Submits the delete form
112 function deleteEntry(eyeTestId){
113     var deleteField = document.getElementById('deleteId');
114     var form = document.getElementById('deleteForm');
115     deleteField.setAttribute("value",eyeTestId);
116     deleteForm.submit();
117 }
118 </script>
119 </head>
120 <body>
121     <div class="container">
122         <?php include "....sidebar.html" ?>
123         <div id="content">
124             <!--Table that displays the customers-->
125             <table id="customerTable" class='tables'>
126                 <tr>
127                     <th colspan="8" class="tablehead">Choose Customer</th>
128                 </tr>
129                 <tr>
130                     <th>Customer ID</th>
131                     <th>First Name</th>
132                     <th>Last Name</th>
133                     <th>street</th>
134                     <th>town</th>
135                     <th>country</th>
136                     <th>Date Of Birth</th>
137                     <th>Choose</th>
138                 </tr>
139                 <tr >
140                     <?php
141                         // Populates the customer table
142                         while($row = mysqli_fetch_array($result)) {

```

```

143     $id = $row['customerId'];
144     $fname = $row['firstname'];
145     $sname = $row['surname'];
146     $street = $row['street'];
147     $town = $row['town'];
148     $country = $row['country'];
149     $date = $row['dateOfBirth'];
150     $allText = "$id,$fname,$sname,$street,$town,$country,$date";
151     ?>
152     <td><?php echo $row['customerId']; ?></td>
153     <td><?php echo $row['firstname']; ?></td>
154     <td><?php echo $row['surname']; ?></td>
155     <td><?php echo $row['street']; ?></td>
156     <td><?php echo $row['town']; ?></td>
157     <td><?php echo $row['country']; ?></td>
158     <td><?php echo $row['dateOfBirth']; ?></td>
159     <td><button value ='<?php echo $allText; ?>' name="selectButton"
160     onclick="selectCustomer(this.value)">Select</button></td>
161     </tr>
162     <?php
163         }
164     ?>
165     </table>
166
167     <!--The eye Test Table-->
168     <table id="eyeTestTable" class='tables' hidden>
169         <tr>
170             <th colspan="6" class="tablehead">Eye Tests</th>
171         </tr>
172         <tr>
173             <th>Eye Test ID</th>
174             <th>Customer ID</th>
175             <th>Left Eye</th>
176             <th>Right Eye</th>
177             <th>Date</th>
178             <th>Choose</th>
179         </tr>
180     </table>
181
182     <!--A form that calls the deleteEyeTest.php file-->
183     <form method='post' action='DeleteEyeTest.php' id='deleteForm' name='deleteForm' hidden>
184         <input type='text' id='deleteId' name='deleteId' value='empty'>
185     </form>
186     </div>
187 </div>
188 </body>
189 </html>

```

DeleteEyeTest.php

```
1 <!DOCTYPE html>
2 <!--Name of Screen: DeleteEyeTest.php-->
3 <!--Purpose of screen: Flags an entry on the eye test table for deletion-->
4 <!--Student ID: C00273530-->
5 <!--Name: Dawid Pionk-->
6 <!--Date: 15/03/2023-->
7 <html>
8 <head>
9     <meta charset="utf-8">
10    <meta name="viewport" content="width=device-width, initial-scale=1">
11    <!-- use icons from fontawesome -->
12    <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></script>
13    <link rel="stylesheet" type="text/css" href="https://c2popticians23.candept.com/styles.css">
14    <title>Optician Dashboard</title>
15    <script>
16        // Redirects back to the main page
17        function redirect(){
18            window.location.replace("./DeleteEyeTest.html.php");
19        }
20        window.addEventListener("load", redirect())
21    </script>
22 </head>
23 <body>
24     <div class="container">
25         <?php include "../../../../sidebar.html" ?>
26 <?php
27     include '../../../../db.inc.php';
28 // Fills up the variables with POST
29     $eyeTestId = $_POST['deleteId'];
30 // Inserts the variables into the eye test table
31     $sqlDelete = "UPDATE Eye_Test
32             SET deleted=1
33             WHERE eyeTestID = '$eyeTestId'
34             AND deleted=0";
35     mysqli_query($con, $sqlDelete);
36     mysqli_close($con);
37 ?>
38     </div>
39 </body>
40 </html>
```

Amend/View Eye Test



Optician

- [Dashboard](#)
- [Counter Sales](#)
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- [Eye Tests](#)
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[Logout](#)

Choose Customer							
Customer ID	First Name	Last Name	street	town	country	Date Of Birth	Choose
1	Dawid	Pionk	81 Mansfield	Athy	Kildare	2001-02-10	<button>Select</button>
2	Nina	Nowak	2 Glebelands	Athy	Ireland	2004-02-12	<button>Select</button>
3	Peter	Murphy	21 O'Connell	Galway	Ireland	2003-01-06	<button>Select</button>
4	Douglass	Kadzutus	51 College Greens	Carlow	Irelands	1993-07-01	<button>Select</button>

Dawid Pionk Eye Test Table						
Eye Test ID	Customer ID	Left Eye	Right Eye	Date	Amend	
23	1	0.01	0.02	2023-03-24	<button>Amend</button>	
34	1	0.01	0.01	2023-03-08	<button>Amend</button>	
16	1	2	4	2023-02-28	<button>Amend</button>	
2	1	2.30	2.26	2023-02-01	<button>Amend</button>	
5	1	1.1	1.5	2023-01-30	<button>Amend</button>	
7	1	4	4	2022-11-11	<button>Amend</button>	
9	1	1	2	2022-06-07	<button>Amend</button>	
8	1	23	11	2022-05-05	<button>Amend</button>	
1	1	2.25	2	2018-02-01	<button>Amend</button>	

Amend Eye Tests						
Eye Test ID	Customer ID	Left Eye	Right Eye	Date	Submit	
<input type="text" value="23"/>	<input type="text" value="1"/>	<input type="text" value="0.01"/>	<input type="text" value="0.02"/>	<input type="text" value="24 / 03 / 2023"/>	<button>Submit</button>	

AmendEyeTest.html.php

```
1 <!DOCTYPE html>
2 <!--Name of Screen: AmendEyeTest.html.php-->
3 <!--Purpose of screen: Lets the user enter new data for an eye test, later on that data will be used to update an entry on the eye test
table-->
4 <!--Student ID: C00273530-->
5 <!--Name: Dawid Pionk-->
6 <!--Date: 15/03/2023-->
7 <?php
8     // Sets up basic php connection and sqls
9     session_start();
10    include "../../../../db.inc.php";
11    $sqlEyeTest = "Select * from Eye_Test where deleted=0 ORDER BY date DESC";
12    $eyeTestResult = mysqli_query($con, $sqlEyeTest);
13    $eyeTestRowCount = mysqli_affected_rows($con);
14
15    $sql = "Select customerId, firstname, surname, street, town, country, dateOfBirth from Customer where deleted=0";
16    $result = mysqli_query($con, $sql);
17    $rowCount = mysqli_affected_rows($con);
18
19 ?>
20 <html>
21 <head>
22     <meta charset="utf-8">
23     <meta name="viewport" content="width=device-width, initial-scale=1">
24     <!-- use icons from fontawesome -->
25     <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></script>
26     <link rel="stylesheet" type="text/css" href="https://c2popticians23.candept.com/styles.css">
27     <title>Optician Dashboard</title>
28     <script type="text/javascript">
29
30         // Displays most of the components on the page and generates the eye test table
31         function makeEyeTestTable(value)
32         {
33             let resultArray = value.split(',');
34             var row;
35             var count=2;
36
37             var eyeTestTable = document.getElementById("eyeTestTable");
38             eyeTestTable.removeAttribute("hidden");
39             // Clears older entries in the table
40             while(eyeTestTable.rows.length != 2){
41                 eyeTestTable.deleteRow(2);
```

```

42 }
43 eyeTestTable.rows[0].cells[0].innerHTML = resultArray[1] + " " + resultArray[2] + " Eye Test Table";
44 <?php
45 // Fills up the Eye Test Tables
46 while($row = mysqli_fetch_array($eyeTestResult)){
47     $eyeTestId = $row['eyeTestId'];
48     $customerId = $row['customerId'];
49     $leftEye = $row['leftEye'];
50     $rightEye = $row['rightEye'];
51     $date = $row['date'];
52     $allText = "$eyeTestId,$customerId,$leftEye,$rightEye,$date";
53 }
54 // Checks whether the customerId matches a selected eye test
55 if(resultArray[0] == <?php echo $row['customerId']?>){
56     row = eyeTestTable.insertRow(-1);
57     row.insertCell(-1).innerHTML = "<?php echo $row['eyeTestId']; ?>";
58     row.insertCell(-1).innerHTML = "<?php echo $row['customerId']; ?>";
59     row.insertCell(-1).innerHTML = "<?php echo $row['leftEye']; ?>";
60     row.insertCell(-1).innerHTML = "<?php echo $row['rightEye']; ?>";
61     row.insertCell(-1).innerHTML = "<?php echo $row['date']; ?>";
62     row.insertCell(-1).innerHTML = "<button value = '<?php echo $allText;?>' name='amendButton' onclick='buildAmendTable(this.value)'>Amend</button>";
63 }
64 <?php
65 }
66 ?
67 }
68
69 // This function is called after a customer is selected
70 function selectCustomer(value){
71     let resultArray = value.split(',');
72     let response = confirm("You sure you want to select: " + resultArray[1] + " " + resultArray[2] + " " +
    resultArray[3] + " " + resultArray[4]);
73
74     if(response){
75         makeEyeTestTable(value);
76     }
77 }
78
79 // Function that populates the amend table
80 function buildAmendTable(value){
81     let resultArray = value.split(',');

```

```

82     var eyeTestIdBox = document.getElementById('amendEyeTestId');
83     var customerIdBox = document.getElementById('amendCustomerId');
84     var leftEyeBox = document.getElementById('amendLeftEye');
85     var rightEyeBox = document.getElementById('amendRightEye');
86     var dateBox = document.getElementById('amendDate');
87     var amendEyeTestTable = document.getElementById('amendEyeTestTable');
88     amendEyeTestTable.removeAttribute("hidden");
89
90     eyeTestIdBox.setAttribute("value",resultArray[0]);
91     customerIdBox.setAttribute("value",resultArray[1]);
92     leftEyeBox.setAttribute("value",resultArray[2]);
93     rightEyeBox.setAttribute("value",resultArray[3]);
94     dateBox.setAttribute("value",resultArray[4]);
95 }
96
97 // A function that submits the amend form
98 function confirmSubmit(){
99     var amendForm = document.getElementById('amendForm');
100    var response = confirm("Are you sure you want to submit?");
101    var eyeTestIdBox = document.getElementById('amendEyeTestId');
102    var customerIdBox = document.getElementById('amendCustomerId');
103    if(response){
104        eyeTestIdBox.removeAttribute("disabled");
105        customerIdBox.removeAttribute("disabled");
106        amendForm.submit();
107    }
108 }
109 </script>
110 </head>
111 <body>
112     <div class="container">
113         <?php include "../../../../sidebar.html" ?>
114         <div id="content">
115             <!--Table that displays the customers-->
116             <table id="customerTable" class='tables'>
117                 <tr>
118                     <th colspan="8" class="tablehead" >Choose Customer</th>
119                 </tr>
120                 <tr>
121                     <th>Customer ID</th>
122                     <th>First Name</th>
123                     <th>Last Name</th>

```

```

124             <th>street</th>
125             <th>town</th>
126             <th>country</th>
127             <th>Date Of Birth</th>
128             <th>Choose</th>
129         </tr>
130     <tr >
131         <?php
132             // Populates the customer table
133             while($row = mysqli_fetch_array($result)) {
134                 $id = $row['customerId'];
135                 $fname = $row['firstname'];
136                 $sname = $row['surname'];
137                 $street = $row['street'];
138                 $town = $row['town'];
139                 $country = $row['country'];
140                 $date = $row['dateOfBirth'];
141                 $allText = "$id,$fname,$sname,$street,$town,$country,$date";
142             ?>
143             <td><?php echo $row['customerId']; ?></td>
144             <td><?php echo $row['firstname']; ?></td>
145             <td><?php echo $row['surname']; ?></td>
146             <td><?php echo $row['street']; ?></td>
147             <td><?php echo $row['town']; ?></td>
148             <td><?php echo $row['country']; ?></td>
149             <td><?php echo $row['dateOfBirth']; ?></td>
150             <td><button value ='<?php echo $allText; ?>' name="selectButton"
151 onclick="selectCustomer(this.value)">Select</button></td>
152         </tr>
153         <?php
154         }
155     </table>
156
157     <!--The eye test table-->
158     <table id="eyeTestTable" class='tables' hidden>
159         <tr>
160             <th colspan="6" class="tablehead">Eye Tests</th>
161         </tr>
162         <tr>
163             <th>Eye Test ID</th>

```

```

164     <th>Customer ID</th>
165     <th>Left Eye</th>
166     <th>Right Eye</th>
167     <th>Date</th>
168     <th>Amend</th>
169   </tr>
170 </table>
171
172 <!--The amend eye test table-->
173 <table id="amendEyeTestTable" class='tables' hidden>
174   <tr>
175     <th colspan="6" class="tablehead">Amend Eye Tests</th>
176   </tr>
177   <tr>
178     <th>Eye Test ID</th>
179     <th>Customer ID</th>
180     <th>Left Eye</th>
181     <th>Right Eye</th>
182     <th>Date</th>
183     <th>Submit</th>
184   </tr>
185   <tr>
186     <!--A form used to submit the data inside the table-->
187     <form id='amendForm' method='post' action='AmendEyeTest.php'>
188       <td><input type='text' id='amendEyeTestId' name='amendEyeTestId' disabled></td>
189       <td><input type='text' id='amendCustomerId' name='amendCustomerId' disabled></td>
190       <td><input type='number' id='amendLeftEye' name='amendLeftEye' step=0.01 required></td>
191       <td><input type='number' id='amendRightEye' name='amendRightEye' step=0.01 required></td>
192       <td><input type='date' id='amendDate' name='amendDate' required></td></form>
193     <td><button onclick='confirmSubmit()'>Submit</button></td>
194   </tr>
195 </table>
196 </div>
197 </div>
198 </body>
199 </html>

```

AmendEyeTest.php

```
1 <!DOCTYPE html>
2 <!--Name of Screen: AmendEyeTest.php-->
3 <!--Purpose of screen: Amends an entry on the eye test table-->
4 <!--Student ID: C00273530-->
5 <!--Name: Dawid Pionk-->
6 <!--Date: 15/03/2023-->
7 <html>
8 <head>
9     <meta charset="utf-8">
10    <meta name="viewport" content="width=device-width, initial-scale=1">
11    <!-- use icons from fontawesome -->
12    <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></script>
13    <link rel="stylesheet" type="text/css" href="https://c2opticians23.candept.com/styles.css">
14    <title>Optician Dashboard</title>
15    <script>
16        // Redirects back to the main page
17        function redirect(){
18            window.location.replace("../AmendEyeTest.html.php");
19        }
20        window.addEventListener("load", redirect())
21    </script>
22 </head>
23 <body>
24     <div class="container">
25         <?php include "../../../../sidebar.html" ?>
26     <?php
27         include '../../../../db.inc.php';
28 // Fills up the variable with POST
29         $eyeTestId = $_POST['amendEyeTestId'];
30         $customerId = $_POST['amendCustomerId'];
31         $leftEye = $_POST['amendLeftEye'];
32         $rightEye = $_POST['amendRightEye'];
33         $date = $_POST['amendDate'];
34
35 // Updates a specific entry on the eye test table
36         $sqlUpdate = "UPDATE Eye_Test
37             SET leftEye = '$leftEye',
38                 rightEye = '$rightEye',
39                 date = '$date'
40             WHERE eyeTestID = '$eyeTestId'
41                 AND deleted=0";
42         mysqli_query($con, $sqlUpdate);
43         mysqli_close($con);
44     ?>
45     </div>
46 </body>
47 </html>
```

Contact Lenses Sales

Optician

- Dashboard
- Counter Sales
- Contact Lens Sales
- Spectacle Sales
- Eye Tests
- Stock Control
- File Maintenance

Choose Customer

Customer ID	First Name	Last Name	street	town	country	Date Of Birth	Choose
1	Dawid	Pionk	81 Mansfield	Athy	Kildare	2001-02-10	<input type="button" value="Select"/>
2	Nina	Nowak	2 Glebelands	Athy	Ireland	2004-02-12	<input type="button" value="Select"/>
3	Peter	Murphy	21 O'Connel	Galway	Ireland	2003-01-06	<input type="button" value="Select"/>
4	Douglass	Kadzutus	51 College Greens	Carlows	Irelands	1993-07-01	<input type="button" value="Select"/>

Dawid Pionk's most recent Eye Test

Eye Test ID	Customer ID	Left Eye	Right Eye	Date
23	1	0.01	0.02	2023-03-24

Select the strength and the quantity of the contact lenses:

-3.25 strength: 30 days supply
-3 strength: 60 days supply

Enter the quantity to order:

Shopping Cart

Description	Price	Quantity
-3 strength: 60 days supply	50.00	<input type="text" value="1"/>

Overall Price of Items:

ContactLesnesSales.html.php

```
1 <!DOCTYPE html>
2 <!--Name of Screen: ContactLensesSales.html.php-->
3 <!--Purpose of screen: Lets the user select several items and their quantities that were purchased by a customer-->
4 <!--Student ID: C00273530-->
5 <!--Name: Dawid Pionk-->
6 <!--Date: 15/03/2023-->
7 <?php
8     // Sets up basic php connection and sqls
9     session_start();
10    include "../../db.inc.php";
11    $sqlEyeTest = "Select * from Eye_Test where deleted=0 ORDER BY date DESC";
12    $eyeTestResult = mysqli_query($con, $sqlEyeTest);
13    $eyeTestRowCount = mysqli_affected_rows($con);
14
15    $sql = "Select customerId, firstname, surname, street, town, country, dateOfBirth from Customer where deleted=0";
16    $result = mysqli_query($con, $sql);
17    $rowCount = mysqli_affected_rows($con);
18
19    $stockSQL = "Select * from Stock where deleted=0 AND category = 'Contact Lenses'";
20    $stockResult = mysqli_query($con, $stockSQL);
21
22 ?>
23 <html>
24 <head>
25     <meta charset="utf-8">
26     <meta name="viewport" content="width=device-width, initial-scale=1">
27     <!-- use icons from fontawesome -->
28     <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></script>
29     <link rel="stylesheet" type="text/css" href="https://c2popticians23.canddept.com/styles.css">
30     <title>Optician Dashboard</title>
31     <script type="text/javascript">
32
33         // Displays most of the components on the page and generates the eye test table
34         function makeEyeTestTable(value)
35         {
36             let resultArray = value.split(',');
37             var row;
```

```

38     var count=2;
39     var stopLoop=false;
40     var cart = document.getElementById('shoppingCartContainer');
41     var eyeTestTable = document.getElementById("eyeTestTable");
42     eyeTestTable.removeAttribute("hidden");
43     cart.removeAttribute("hidden");
44
45     // Clears older entries in the table
46     while(eyeTestTable.rows.length != 2){
47         eyeTestTable.deleteRow(2);
48     }
49     eyeTestTable.rows[0].cells[0].innerHTML = resultArray[1] + " " + resultArray[2] + "'s most
recent Eye Test ";
50     <?php
51
52     // Fills up the Eye Test Tables
53     while($row = mysqli_fetch_array($eyeTestResult)){
54         $eyeTestId = $row['eyeTestId'];
55         $customerId = $row['customerId'];
56         $leftEye = $row['leftEye'];
57         $rightEye = $row['rightEye'];
58         $date = $row['date'];
59         $allText = "$eyeTestId,$customerId,$leftEye,$rightEye,$date";
60     ?>
61     // Checks whether the customerId matches the selected eye test and if stopLoop boolean
is set to false
62     // Stop Loop is used to just select the most recent eye test by date
63     if(resultArray[0] == <?php echo $row['customerId']?> && stopLoop == false){
64         row = eyeTestTable.insertRow(-1);
65         row.insertCell(-1).innerHTML = "<?php echo $row['eyeTestId']; ?>";
66         row.insertCell(-1).innerHTML = "<?php echo $row['customerId']; ?>";
67         row.insertCell(-1).innerHTML = "<?php echo $row['leftEye']; ?>";
68         row.insertCell(-1).innerHTML = "<?php echo $row['rightEye']; ?>";
69         row.insertCell(-1).innerHTML = "<?php echo $row['date']; ?>";
70         stopLoop = true;
71     }
72     <?php

```

```
73         }
74     ?>
75 }
76
77 // This function is called after a customer is selected
78 function selectCustomer(value){
79     let resultArray = value.split(',');
80     let response = confirm("You sure you want to select: " + resultArray[1] + " " + resultArray[2] +
81 " " + resultArray[3] + " " + resultArray[4]);
82
83     if(response){
84         makeEyeTestTable(value);
85     }
86
87 // Adds a selected item and its quantity to the shopping cart
88 function addToCart(value){
89     var listbox = document.getElementById('listbox');
90     var quantity = document.getElementById('quantityBox').value;
91     var shoppingCartTable = document.getElementById('ShoppingCartTable');
92     var selectedItem = listbox.options[listbox.selectedIndex].value;
93     var items = document.getElementsByClassName('description');
94     var quantities = document.getElementsByClassName('quantity');
95     var i=0;
96     var newEntry = true;
97
98     <?php
99     // Extracts data from the stock sql
100    while($row = mysqli_fetch_array($stockResult)){
101        ?>
102        // Checks whether the selected item in the listbox matches the selected stock from the sql
103        query
104        if(selectedItem== <?php echo $row['stockId'];?>){
105            // Checks whether the item is already on the table
106            for(i=0;i<items.length;i++){
107                if(items[i].value === "<?php echo $row['description'];?>"){
108                    ... ...
109                }
110            }
111        }
112    }
113 }
```

```

107         quantities[i].value = parseInt(quantities[i].value) + parseInt(quantity);
108         newEntry = false;
109     }
110 }
111 // If the selected item is not already on the shopping list it enters it into the table
112 if(newEntry){
113     row = shoppingCartTable.insertRow(-1);
114     var cell1 = document.createElement("input");
115     cell1.setAttribute("type", "text");
116     cell1.setAttribute("class", "description");
117     cell1.setAttribute("name", "description[]");
118     cell1.setAttribute("value", "<?php echo $row['description']; ?>");
119     cell1.setAttribute("readonly","");
120     row.insertCell(-1).appendChild(cell1);
121
122     var cell2 = document.createElement("input");
123     cell2.setAttribute("type", "text");
124     cell2.setAttribute("class", "retailPrice");
125     cell2.setAttribute("name", "retailPrice[]");
126     cell2.setAttribute("value", "<?php echo $row['retailPrice']; ?>");
127     cell2.setAttribute("readonly","");
128     row.insertCell(-1).appendChild(cell2);
129
130     var cell3 = document.createElement("input");
131     cell3.setAttribute("type", "text");
132     cell3.setAttribute("class", "quantity");
133     cell3.setAttribute("name", "quantity[]");
134     cell3.setAttribute("value", quantity);
135     cell3.setAttribute("readonly","");
136     row.insertCell(-1).appendChild(cell3);
137 }
138 }
139 newEntry=true;
140 <?php
141     }
142     $stockResult = mysqli_query($con, $stockSQL);

```

```

143        ?>
144        getTotal();
145    }
146    // Used to get the total price of all items
147    function getTotal(){
148        var retailPrices = document.getElementsByClassName('retailPrice');
149        var quantities = document.getElementsByClassName('quantity');
150        var fullPrice = document.getElementById('fullPriceBox');
151        var value=0;
152        for (var i = 0; i < retailPrices.length; i++){
153            value += parseInt(retailPrices[i].value) * parseInt(quantities[i].value);
154        }
155        fullPrice.value = value;
156    }
157    // Submits the shopping cart form
158    function submitForm(){
159        var shoppingCartTable = document.getElementById('ShoppingCartTable');
160
161        if(shoppingCartTable.rows.length > 2){
162            checkSubmitForm();
163        }
164    }
165    // Confirms if the user wants to submit the form
166    function checkSubmitForm(){
167        var form = document.getElementById('shoppingForm');
168        var response = confirm("Are you sure you want to check out?");
169        if(response){
170            form.submit();
171        }
172    }
173    </script>
174</head>
175<body>
176    <div class="container">
177        <?php include "../../../sidebar.html" ?>

```

```

178 <div id="content">
179     <!--Table that displays the customers-->
180     <table id="customerTable" class='tables'>
181         <tr>
182             <th colspan="8" class="tablehead">Choose Customer</th>
183         </tr>
184         <tr>
185             <th>Customer ID</th>
186             <th>First Name</th>
187             <th>Last Name</th>
188             <th>street</th>
189             <th>town</th>
190             <th>country</th>
191             <th>Date Of Birth</th>
192             <th>Choose</th>
193         </tr>
194         <tr >
195             <?php
196                 // Populates the customer table
197                 while($row = mysqli_fetch_array($result)) {
198                     $id = $row['customerId'];
199                     $fname = $row['firstname'];
200                     $sname = $row['surname'];
201                     $street = $row['street'];
202                     $town = $row['town'];
203                     $country = $row['country'];
204                     $date = $row['dateOfBirth'];
205                     $allText = "$id,$fname,$sname,$street,$town,$country,$date";
206                 ?>
207                     <td><?php echo $row['customerId']; ?></td>
208                     <td><?php echo $row['firstname']; ?></td>
209                     <td><?php echo $row['surname']; ?></td>
210                     <td><?php echo $row['street']; ?></td>
211                     <td><?php echo $row['town']; ?></td>
212                     <td><?php echo $row['country']; ?></td>
213                     <td><?php echo $row['dateOfBirth']; ?></td>

```

```
214             <td><button value ='<?php echo $allText; ?>' name="selectButton"
215             onclick="selectCustomer(this.value)">Select</button></td>
216             </tr>
217             <?php
218             }
219             ?>
220         </table>
221
222         <!--A table that displays the most recent eye test-->
223         <table id="eyeTestTable" class='tables' hidden>
224             <tr>
225                 <th colspan="6" class="tablehead">Eye Tests</th>
226             </tr>
227             <tr>
228                 <th>Eye Test ID</th>
229                 <th>Customer ID</th>
230                 <th>Left Eye</th>
231                 <th>Right Eye</th>
232                 <th>Date</th>
233             </tr>
234         </table>
235
236         <!--Shopping cart section-->
237         <div id="shoppingCartContainer" hidden>
238             <h2>Select the strength and the quantity of the contact lenses: </h2>
239             <!--Listbox with all the contact lenses stocks-->
240             <select id='listbox' Name="listbox" Size="4">
241                 <?php
242                     while($row = mysqli_fetch_array($stockResult)){
243
244                         <option value='<?php echo $row['stockId'];?>'><?php echo $row['description'];?>
245
246                         <?php
247                             }
248                         ?>
249                     </select>
250     
```

```

248
249      <!--Input box that lets you select the quantity-->
250      <label for="quantityBox">Enter the quantity to order:</label>
251      <input type="number" id="quantityBox" name="quantityBox" value=1 step=1 min=1>
252      <button id="shopCartBtn" name="shopCartBtn" onclick='addToCart()'>Add to shopping
253      cart</button>
254
255      <!--A form that contains the shopping cart table-->
256      <form id="shoppingForm" method='post' action='ContactLensesSales.php'>
257          <table id="ShoppingCartTable" class='tables'>
258              <tr>
259                  <th colspan="6" class="tablehead">Shopping Cart</th>
260              </tr>
261              <tr>
262                  <th>Description</th>
263                  <th>Price</th>
264                  <th>Quantity</th>
265              </tr>
266              <br><br>
267              <label for='fullPriceBox'>Overall Price of Items: </label>
268              <input type='text' id='fullPriceBox' name='fullPriceBox' value='0' readonly>
269
270              <br><br>
271          </form>
272          <button id='checkOut' name='checkOut' onclick='submitForm()'>Check Out</button>
273      </div>
274  </div>
275 </div>
276 </body>
277 </html>

```

ContactLensesSales.php

```
1 <!DOCTYPE html>
2 <!--Name of Screen:      ContactLensesSales.php-->
3 <!--Purpose of screen:  Updates the Stock, Sale, Sale_item tables-->
4 <!--Student ID:         C00273530-->
5 <!--Name:                Dawid Pionk-->
6 <!--Date:               15/03/2023-->
7 <html>
8 <head>
9   <meta charset="utf-8">
10  <meta name="viewport" content="width=device-width, initial-scale=1">
11    <!-- use icons from fontawesome -->
12    <script src="https://kit.fontawesome.com/e9cccd8bcf3.js" crossorigin="anonymous"></script>
13    <link rel="stylesheet" type="text/css" href="https://c2popticians23.candept.com/styles.css">
14    <title>Optician Dashboard</title>
15    <script>
16      // Redirects back to the main page
17      function redirect(){
18        window.location.replace("../ContactLensesSales.html.php");
19      }
20      window.addEventListener("load", redirect())
21    </script>
22 </head>
23 <body>
24   <div class="container">
25     <?php include "../../../../sidebar.html" ?>
26
27 <?php
28   include "../../../../db.inc.php";
29
30 // Variables for the Sales Table Query
31   date_default_timezone_set("UTC");
32   $date = date("Y-m-d");
33   $totalCost = $_POST['fullPriceBox'];
34   $sqlSalesTableId = "Select saleId FROM Sale";
35   // Used to set the saleId
36   $saleId = 0;
37   $saleIdResult = mysqli_query($con, $sqlSalesTableId);
```

```

38
39     while($row = mysqli_fetch_array($saleIdResult)){
40         if($saleId < $row['saleId']){
41             $saleId = $row['saleId'];
42         }
43     }
44     $saleId++;
45
46 // Variables for the Sales_Item and Stock tables
47 $quantityArray = $_POST['quantity'];
48 $descriptionArray = $_POST['description'];
49 $sqlStockId = "Select stockId, description FROM Stock";
50 $stockIdResult = mysqli_query($con, $sqlStockId);
51 $quantity = 0;
52 $stockId = "";
53 $makeQuery=false;
54 $makeSaleQuery = false;
55 $queryCheck = true;
56
57 // Selects which entry on the table should be updated i.e. extracts stock id
58 while($row = mysqli_fetch_array($stockIdResult)){
59     for($i=0;$i<count($descriptionArray);$i++){
60         if($descriptionArray[$i] == $row['description']){
61             $stockId = $row['stockId'];
62             $quantity += $quantityArray[$i];
63             $makeQuery = true;
64             $makeSaleQuery = true;
65         }
66     }
67     if($makeSaleQuery && $queryCheck){
68         // Sql query for sales
69         $sqlSalesTable = "INSERT INTO Sale (saleId,date, totalCost)
70                         VALUES ('$saleId', '$date', '$totalCost')";
71         mysqli_query($con, $sqlSalesTable);
72         $queryCheck = false;
73     }
74     if($makeQuery){

```

Douglas Kadzatu

Add Customer

The screenshot shows a web browser window with the URL https://c2opticians23.candept.com/Douglas/optician/add_customer.php. The page has a blue sidebar on the left with the title 'Optician' and a list of menu items: Dashboard, Counter Sales, Contact Lens Sales, Spectacle Sales, Eye Tests, Stock Control, File Maintenance, and Quit. The main content area is titled 'Add Customer' and contains a form with the following fields:

Customer Name:	<input type="text" value="Douglas"/>
Surname:	<input type="text" value="Kadzatu"/>
Street:	<input type="text" value="51 College Green"/>
Town:	<input type="text" value="Carlow"/>
Country:	<input type="text" value="Ireland"/>
Date of Birth:	<input type="text" value="01/07/1985"/>
Telephone:	<input type="text" value="0872980486"/>

At the bottom of the dialog box are two buttons: 'Add Customer' (blue) and 'Cancel' (red).

/ Douglas/optician/add_customer.php

```
1 <!--
2   Name: Douglas kadzutu
3   Date: 17/03/2023
4   Description: Allow user to add customer to the database
5   Student ID: C00290922
6   Screen Name: Add Customer (UI)
7 -->
8 <!DOCTYPE html>
9 <html lang="en">
10 <head>
11   <meta charset="UTF-8">
12   <meta http-equiv="X-UA-Compatible" content="IE=edge">
13   <meta name="viewport" content="width=device-width, initial-scale=1.0">
14   <title>Add Customer</title>
15   <link rel="stylesheet" href="./styles/style.css">
16   <script src="./js/script.js" defer="defer"></script>
17 </head>
18 <body>
19   <div class="container">
20     <div class="menu">
21       <!--Section for Menu-->
22       <?php include "./layout/sidebar.html" ?>
23     </div>
24     <div class="main">
25
26       <form>
27         <div class="content">
28           <div class="title">
29             <h2>Add Customer</h2>
30           </div>
31           <div class="details">
32             <label for="firstname"> Customer Name:</label>
33             <input type="text" name="firstname" maxlength="30" id="firstname" required>
34             <br>
35             <label for="surname">Surname:</label>
36             <input type="text" id="surname" maxlength="30" name="surname" required>
37             <br>
38             <label for="town">Town:</label>
39             <input type="text" name="town" id="town" maxlength="30" required>
40             <br>
41             <label for="country">Country:</label>
42             <input type="text" name="country" id="country" maxlength="30" required>
43             <br>
44             <label for="dob">Date of Birth:</label>
45             <input type="date" name="dob" id="dob" required>
46             <br>
47             <label for="telephone">Telephone:</label>
48             <input type="number" maxlength="15" name="telephone" id="telephone" required>
49             <br>
50           </div>
51         </div>
52       <div class="myButtons">
53         <button type="button" id="saveButton" onclick="addCustomer()">Add Customer</button>
54         <button type="button" id="cancelButton" onclick="cancelAddCustomer()">Cancel</button>
55       </div>
56     </div>
57   </form>
58 </div>
59 </div>
60
61 </div>
62 </div>
63
64 </body>
65 </html>
```

/Douglas/optician/php/add_customer_details.php

```
<?php
/*
  NAME: DOUGLAS T KADZUTU
  DATE: 03/14/2023
  DESCRIPTION: THE TRANSACTION FILE BETWEEN CLIENT AND DATABASE TO ADD NEW CUSTOMER
*/

include "db.inc.php";
// generate unique id by getting the last entry and adding 1
$query = "SELECT customerId FROM Customer ORDER BY customerId DESC";
$result = $conn->query($query);
$row = $result->fetch_assoc();

$customerId = $row["customerId"] + 1;
$firstname = $_POST["firstname"];
$surname = $_POST["surname"];
$street = $_POST["street"];
$town = $_POST["town"];
$country = $_POST["country"];
$dateOfBirth = $_POST["dob"];
$telephone = $_POST["telephone"];
$deleted = 0;

// add customer to database
$query = "INSERT INTO Customer (customerId, firstname, surname, street, town, country, dateOfBirth, telephone, deleted) VALUES (?, ?, ?, ?, ?, ?, ?, ?, ?)";
$stmt = $conn->prepare($query);
var_dump($stmt);
$stmt->bind_param("ssssssss", $customerId, $firstname, $surname, $street, $town, $country, $dateOfBirth, $telephone, $deleted);
var_dump($customerId, $firstname, $surname, $street, $town, $country, $dateOfBirth, $telephone, $deleted);
$stmt->execute();
$stmt->close();
$conn->close();
?>
```

/Douglas/optician/php/get_customers.php

```
1 <?php
2     /*
3      NAME: DOUGLAS T KADZUTU
4      DATE: 03/14/2023
5      DESCRIPTION: THE TRANSACTION FILE BETWEEN CLIENT AND DATABASE TO GET CUSTOMER NAME FOR SELECTION
6  */
7  include "db.inc.php";
8
9  // Query the database to get the list of customers
10 $query = "SELECT customerId, firstname FROM Customer WHERE deleted=0 ORDER BY firstname ASC";
11 $result = $conn->query($query);
12
13 // Generate the options for the select element
14 while ($row = $result->fetch_assoc()) {
15     echo '<option value="' . $row["customerId"] . '">' . $row["firstname"] . '</option>';
16 }
17
18 // Close the database connection
19 $conn->close();
20 ?>
```

/Douglas/optician/php/db.inc.php

```
1 <?php
2     /*
3      NAME: DOUGLAS T KADZUTU
4      DATE: 03/14/2023
5      DESCRIPTION: THE FILE USED GLOBALLY TO CONNECT WITH DATABASE
6     */
7     // Connect to the database
8     $db_host = "localhost";
9     $db_name = "optician";
10    $db_user = "lenses";
11    $db_pass = "Opt1ci@n2023";
12    $conn = new mysqli($db_host, $db_user, $db_pass, $db_name);
13
14    if(!$conn){
15        die("Failed to connect to database: " . mysql_connect_error());
16    }
17
18 ?>
```

/Douglas/optician/customer.php

The screenshot shows a software application window titled "Optician". On the left is a vertical menu bar with the following options:

- Dashboard
- Counter Sales
- Contact Lens Sales
- Spectacle Sales
- Eye Tests
- Stock Control
- File Maintenance
- Quit

The main area of the window is titled "Customer View/Ammend". It contains a form with the following fields and values:

Field	Value
Select a Customer:	Dawid
Customer ID:	1
Customer Name:	Dawid
Surname:	Pionk
Street:	81 Mansfield
Town:	Athy
Country:	Kildare
Date of Birth:	10/02/2001
Telephone:	0851661360

At the bottom of the form are three buttons: "Edit" (green), "Save" (grey), and "Cancel" (grey).

/Douglas/optician/customer.php

```
1  
6 <!DOCTYPE html>
7 <html lang="en">
8 <head>
9   <meta charset="UTF-8">
10  <meta http-equiv="X-UA-Compatible" content="IE=edge">
11  <meta name="viewport" content="width=device-width, initial-scale=1.0">
12  <title>Ammend/View Customer</title>
13  <link rel="stylesheet" href=".//styles/style.css">
14  <script src=".//js/script.js" defer="defer"></script>
15 </head>
16 <body>
17   <div class="container">
18     <div class="menu">
19       <!-- Section for Menu-->
20       <?php include "./layout/sidebar.html" ?>
21     </div>
22     <div class="main">
23       <form>
24         <h3>Customer View/Ammend</h3>
25         <label for="customerList">Select a Customer:</label>
26         <select id="customerList" name="customerList" onchange="getCustomerDetails(0)">
27           <option value="">--Select--</option>
28           <!-- PHP code to generate the list of customers -->
29           <?php include './php/get_customers.php'; ?>
30         </select>
31         <br>
32         <div id="details">
33           <br>
34           <!-- JavaScript code to fill in the details -->
35           <label for="customerId">Customer ID:</label>
36           <input type="number" name="customerId" id="customerId" disabled>
37           . . .
38           <br>
39           <label for="firstname">Customer Name:</label>
40           <input type="text" name="firstname" maxlength="30" id="firstname" autofocus required disabled>
41           <br>
42           <label for="surname">Surname:</label>
43           <input type="text" id="surname" maxlength="30" name="surname" required disabled>
44           <br>
45           <label for="street">Street:</label>
46           <input type="text" maxlength="30" name="street" id="street" required disabled>
47           <br>
48           <label for="town">Town:</label>
49           <input type="text" name="town" id="town" maxlength="30" required disabled>
50           <br>
51           <label for="country">Country:</label>
52           <input type="text" name="country" id="country" maxlength="30" required disabled>
53           <br>
54           <label for="dob">Date of Birth:</label>
55           <input type="date" name="dob" id="dob" required disabled>
56           <br>
57           <label for="telephone">Telephone:</label>
58           <input type="number" maxlength="15" name="telephone" id="telephone" required disabled>
59           <br>
60         </div>
61         <div class="myButtons">
62           <button type="button" id="editButton" onclick="enableEdit()" disabled>Edit</button>
63           <button type="button" id="saveButton" onclick="saveChanges()" disabled>Save</button>
64           <button type="button" id="cancelButton" onclick="cancelEditChanges()" disabled>Cancel</button>
65         </div>
66       </form>
67     </div>
68   </div>
69 </body>
70 </html>
```

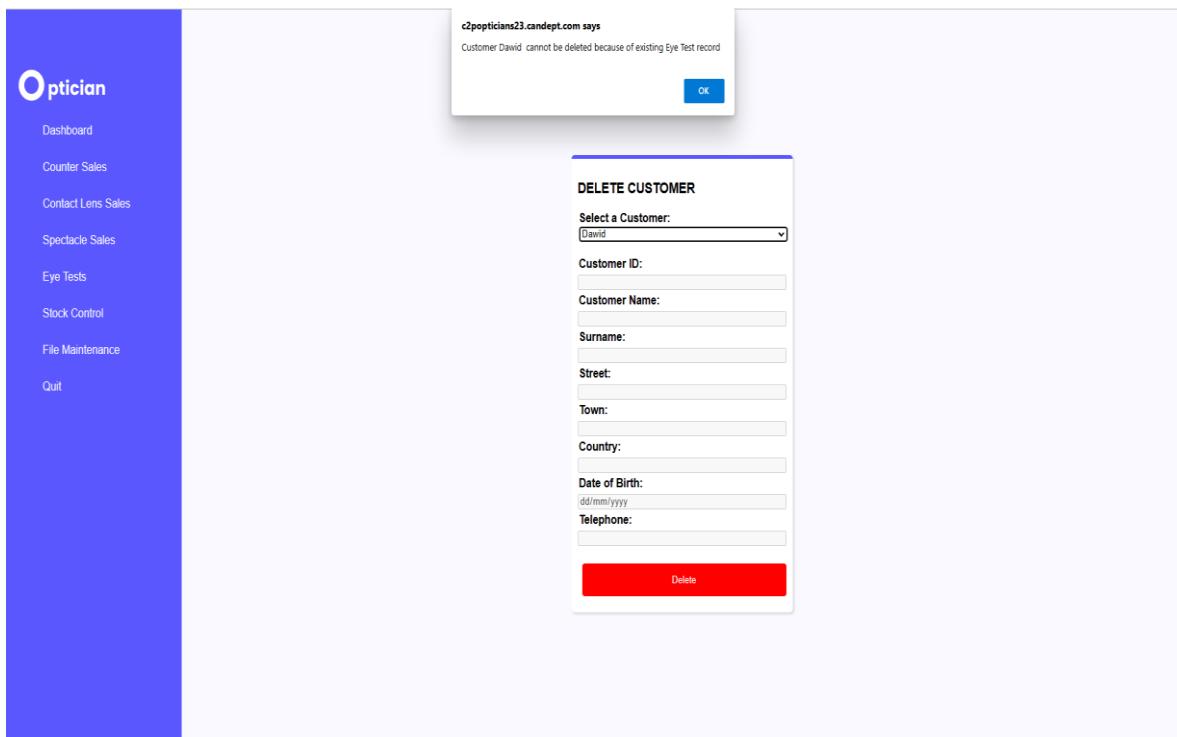
/Douglas/optician/php/get_customer_details.php

```
1 <?php
2  /*
3   NAME: DOUGLAS T KADZTU
4   DATE: 03/14/2023
5   DESCRIPTION: THE TRANSACTION FILE BETWEEN CLIENT AND DATABASE TO GET SELECTED CUSTOMER USED BOTH FOR UPDATE AND DELETE
6  */
7 // Connect to the database
8 include "db.inc.php";
9
10 // Get the selected customer's details from the database
11 $customerId = $_GET["customerId"];
12 $query = "SELECT * FROM Customer WHERE deleted=0 AND customerId = " . $customerId ; // GET CUSTOMER
13 $query2 = "SELECT * FROM Eye_Test WHERE deleted=0 AND customerId = " . $customerId ; // USED TO CHECK IF CUSTOMER HAS EYETEST RECORD
14 $result = $conn->query($query);
15 $result2 = $conn->query($query2);
16
17 if ($result->num_rows > 0) {
18     $row = $result->fetch_assoc();
19     if ($result2->num_rows > 0) {
20         $customerDetails = array(
21             "customerId" => $row["customerId"],
22             "firstname" => $row["firstname"],
23             "surname" => $row["surname"],
24             "street" => $row["street"],
25             "town" => $row["town"],
26             "country" => $row["country"],
27             "dateOfBirth" => $row["dateOfBirth"],
28             "telephone" => $row["telephone"],
29             "canBeDeleted" => false
30         );
31     } else {
32         $customerDetails = array(
33             "customerId" => $row["customerId"],
34             "firstname" => $row["firstname"],
35             "surname" => $row["surname"],
36             "street" => $row["street"],
37             "town" => $row["town"],
38             "country" => $row["country"],
39             "dateOfBirth" => $row["dateOfBirth"],
40             "telephone" => $row["telephone"],
41             "canBeDeleted" => true
42         );
43     }
44     echo json_encode($customerDetails);
45 } else {
46     echo "Error: Customer not found.";
47 }
48 // Close the database connection
49 $conn->close();
50 ?>
51
```

/Douglas/optician/php/update_customer_details.php

```
1 <?php
2  /*
3   NAME: DOUGLAS T KADZUTU
4   DATE: 03/14/2023
5   DESCRIPTION: THE TRANSACTION FILE BETWEEN CLIENT AND DATABASE TO UPDATE CUSTOMER INFORMATION, THIS INCLUDES UPDATING DELETED STATUS
6  */
7 // Connect to the database
8 include "db.inc.php";
9 // Get the updated customer details from the POST request
10 $customerId = $_POST["customerId"];
11 $firstname = $_POST["firstname"];
12 $surname = $_POST["surname"];
13 $street = $_POST["street"];
14 $town = $_POST["town"];
15 $country = $_POST["country"];
16 $dateOfBirth = $_POST["dob"];
17 $telephone = $_POST["telephone"];
18 $deleted = $_POST["deleted"];
19
20 if($deleted == 0 || $deleted == "" || $deleted ==null || $deleted == false) {
21 // THIS IS FOR UPDATING CUSTOMER
22     $query = "UPDATE Customer SET firstname = ?, surname = ?, street = ?, town = ?, country = ?, dateOfBirth = ?, telephone = ? WHERE
23 customerId = ?";
24     $stmt = $conn->prepare($query);
25     $stmt->bind_param("ssssssi", $firstname, $surname, $street, $town, $country, $dateOfBirth, $telephone, $customerId);
26     $stmt->execute();
27 } else {
28 // THIS IS FOR DELETING CUSTOMER
29     $query = "UPDATE Customer SET deleted = ? WHERE customerId = ?";
30     $stmt = $conn->prepare($query);
31     $stmt->bind_param("s", $deleted, $customerId);
32     $stmt->execute();
33 }
34 // Update the customer details in the database
35 // Close the database connection
36 $stmt->close();
$conn->close();
```

/Douglas/optician/delete_customer.php



delete_customer.php

```
1 <!--
2   Name: Douglas kadzutu
3   Date: 17/03/2023
4   Description: This is the UI for User to select and delete a customer
5   Student Id: C00290922
6
7 -->
8 <!DOCTYPE html>
9 <html lang="en">
10 <head>
11   <meta charset="UTF-8">
12   <meta http-equiv="X-UA-Compatible" content="IE=edge">
13   <meta name="viewport" content="width=device-width, initial-scale=1.0">
14   <title>Delete Customer</title>
15   <link rel="stylesheet" href="./styles/style.css">
16   <script src=".js/script.js" defer="defer"></script>
17 </head>
18 <body>
19   <div class="container">
20     <div class="menu">
21       <!--Section for Menu-->
22       <?php include "./layout/sidebar.html" ?>
23     </div>
24     <div class="main">
25       <form>
26         <h3>DELETE CUSTOMER</h3>
27         <label for="customerList">Select a Customer:</label>
28         <select id="customerList" name="customerList" onchange="getCustomerDetails(1)">
29           <option value="">--Select--</option>
30           <!-- PHP code to generate the list of customers -->
31           <?php include './php/get_customers.php'; ?>
32         </select>
33         <br>
34         <div id="details">
35           <br>
36           <!-- JavaScript code to fill in the details -->
```

```

37 <label for="customerId">Customer ID:</label>
38 <input type="number" name="customerId" id="customerId" disabled>
39 <br>
40 <label for="firstname"> Customer Name:</label>
41 <input type="text" name="firstname" maxlength="30" id="firstname" required disabled>
42 <br>
43 <label for="surname">Surname:</label>
44 <input type="text" id="surname" maxlength="30" name="surname" required disabled>
45 <br>
46 <label for="street">Street:</label>
47 <input type="text" maxlength="30" name="street" id="street" required disabled>
48 <br>
49 <label for="town">Town:</label>
50 <input type="text" name="town" id="town" maxlength="30" required disabled>
51 <br>
52 <label for="country">Country:</label>
53 <input type="text" name="country" id="country" maxlength="30" required disabled>
54 <br>
55 <label for="dob">Date of Birth:</label>
56 <input type="date" name="dob" id="dob" required disabled>
57 <br>
58 <label for="telephone">Telephone:</label>
59 <input type="number" maxlength="15" name="telephone" id="telephone" required disabled>
60 <br>
61 </div>
62 <div class="myButtons">
63     <button type="button" id="deleteButton" onclick="deleteCustomer()" disabled>Delete</button>
64 </div>
65 </form>
66 </div>
67 </div>
68 </body>
69 </html>
70

```

Spectaclesales.php

The image displays three screenshots of a web-based application titled "Optician". The left sidebar contains a navigation menu with the following items:

- Dashboard
- Counter Sales
- Contact Lens Sales
- Spectacle Sales
- Eye Tests
- Stock Control
- File Maintenance
- Quit

Screenshot 1: The application shows a "Selection of Spectacles" form. The "Select a Customer:" dropdown is set to "-Select-". The form includes fields for Customer Name, Street, Town, Country, and Date of Birth (dd/mm/yyyy). A "Confirm Details" button is at the bottom.

Customer Name:

Street:

Town:

Country:

Date of Birth:
dd/mm/yyyy

Screenshot 2: The same "Selection of Spectacles" form is shown, but the "Select a Customer:" dropdown now contains "Dawid". The other fields remain empty.

Customer Name:
Dawid

Street:
81 Mansfield

Town:
Athy

Country:
Kildare

Date of Birth:
10/02/2001

Screenshot 3: The application shows a "Recent EyeTest Measurements" section. It includes fields for Left Eye Measurement (0.01), Right Eye Measurement (0.02), Date of Birth (24/03/2023), and Stock Number (12). A "Confirm Stock Number" button is present.

Left Eye Measurement:
0.01

Right Eye Measurement:
0.02

Date of Birth:
24/03/2023

Stock Number:
12

Optician

Dashboard
Counter Sales
Contact Lens Sales
Spectacle Sales
Eye Tests
Stock Control
File Maintenance
Quit

Selection of Spectacles

Select a Customer:
Dawid

Enter Customer Requirements

Choose lense type
Glass
Plastic

Do you require scratch resistant coating
Yes
No

Do you require uvFilter
Yes
No

Optician

Dashboard
Counter Sales
Contact Lens Sales
Spectacle Sales
Eye Tests
Stock Control
File Maintenance
Quit

Selection of Spectacles

Select a Customer:
Dawid

Cost order

Total Cost:
15.20
Deposit Due:
3.04

Optician

Dashboard
Counter Sales
Contact Lens Sales
Spectacle Sales
Eye Tests
Stock Control
File Maintenance
Quit

Selection of Spectacles

Select a Customer:
Dawid

Cost order

Total Cost:
15.20
Deposit Due:
3.04

Deposit Received

Balance Remaining:
12.16

The screenshot shows a software application window titled "Optician". On the left is a sidebar menu with the following options:

- Dashboard
- Counter Sales
- Contact Lens Sales
- Spectacle Sales
- Eye Tests
- Stock Control
- File Maintenance
- Quit

The main content area is titled "Letter to Lens Laboratory". It contains the following text:

Clear View Lens Laboratory,
O'Connell Street,
Dublin 1.

Our Reference: variable needed

Please supply and fit lenses in the enclosed frames, as per the details below:

Left Eye: variable needed
Right Eye: variable needed
Lens Material: variable needed
U-V Filter: variable needed
Scratch Coating: variable needed

Yours sincerely,
Douglas T Kadzutu
Optician

In the top right corner of the main area, there is a small text box containing the address "Spectacles World, Main Street, Carlow" and the date "Date: 19/03/2023".

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Spectacle Sales</title>
    <link rel="stylesheet" href="./styles/style.css">
    <script src="./js/script.js" defer="defer"></script>
</head>
<body>
    <div class="container">
        <div class="menu">
            <!--Section for Menu-->
            <?php include "./layout/sidebar.html" ?>
        </div>
        <div class="main">
            <form>
                <h3>Selection of Spectacles</h3>
                <label for="customerList">Select a Customer:</label>
                <select id="customerList" name="customerList" onchange="getCustomerSpectacleSale()">
                    <option value="">--Select--</option>
                    <!-- PHP code to generate the list of customers -->
                    <?php include './php/get_customers.php'; ?>
                </select>
                <br>
                <div id="customerDetails">
                    <br>
                    <!-- JavaScript code to fill in the details -->
                    <div class="customerId" style="display:none">
                        <label for="customerId">Customer ID:</label>
                        <input type="number" name="customerId" id="customerId" disabled>
                    <br>
                </div>
            </form>
        </div>
    </div>
</body>
```

```

        <br>
    </div>
    <label for="firstname"> Customer Name:</label>
    <input type="text" name="firstname" maxlength="30" id="firstname" autofocus required disabled>
    <br>
    <label for="street">Street:</label>
    <input type="text" maxlength="30" name="street" id="street" required disabled>
    <br>
    <label for="town">Town:</label>
    <input type="text" name="town" id="town" maxlength="30" required disabled>
    <br>
    <label for="country">Country:</label>
    <input type="text" name="country" id="country" maxlength="30" required disabled>
    <br>
    <label for="dob">Date of Birth:</label>
    <input type="date" name="dob" id="dob" required disabled>
    <br>
    <div class="myButtons">
        <button type="button" id="confirmButton" onclick="viewSpectacleDetails()" disabled>Confirm Details</button>
    </div>
</div>
<div id="spectacleDetails" style="display:none">
    <h3>Recent EyeTest Measurements </h3>
    <label for="leftEye">Left Eye Measurement:</label>
    <input type="text" name="leftEye" id="leftEye" maxlength="30" disabled>
    <br>
    <label for="rightEye">Right Eye Measurment:</label>
    <input type="text" name="rightEye" id="rightEye" maxlength="30" required disabled>
    <br>
    <label for="recentTestDate">Date of Birth:</label>
    <input type="date" name="teestDate" id="testDate" disabled>
    <br>
    <label for="stockNumber">Stock Number:</label>
    <input type="number" name="stockNumber" id="stockNumber" maxlength="5">
    <br>
</div>

<label for="eyeTestId">Eye Test Id</label>
<input type="number" name="eyeTestId" id="eyeTestId" disabled>
<br>
</div>
<div class="myButtons">
    <button type="button" id="confirmButton" onclick="processStockNumber()">Confirm Stock Number</button>
</div>
</div>
<div id="customerRequirements" style="display:none">
    <h3>Enter Customer Requirements</h3>
    <label>Choose lense type</label>
    <div class="lenseTypeContainer">
        <label for="lenseType">Glass</label>
        <input type="radio" name="lense" id="lenseType-glass" value="glass"><br>
        <label for="lenseType">Plastic</label>
        <input type="radio" name="lense" id="lenseType-plastic" value="plastic"><br>
    </div>
    <br>
    <label>Do you require scratch resistant coating</label>
    <div class="coatingContainer">
        <label for="coating">Yes</label>
        <input type="radio" name="coating" id="coating-yes" value=1><br>
        <label for="coating">No</label>
        <input type="radio" name="coating" id="coating-no" value=0><br>
    </div>
    <label>Do you require uvFilter</label>
    <div class="uvFilterContainer">
        <label for="coating">Yes</label>
        <input type="radio" name="uv" id="uv-yes" value=1><br>
        <label for="coating">No</label>
        <input type="radio" name="uv" id="uv-no" value=0><br>
    </div>
    <br>
    <div class="myButtons">
        <button type="button" id="confirmButton" onclick="processRequirements()">Confirm Requirements</button>
    </div>
</div>

```

```
<div class="myButtons">
    <button type="button" id="confirmButton" onclick="processRequirements()">Confirm Requirements</button>
</div>
</div>
<div id="costOrder" style="display:none">
    <h3>Cost Order</h3>
    <label for="retailPrice">Total Cost:</label>
    <input type="number" name="retailPrice" id="retailPrice" disabled>
    <br>
    <label for="deposit">Deposit Due:</label>
    <input type="number" name="deposit" id="deposit" disabled>
    <br>
    <div id="confirmDeposit">
        <div class="myButtons">
            <button type="button" id="confirmButton" onclick="confirmDeposit()">Confirm Deposit Received</button>
        </div>
    </div>
</div>
<div id="remainingBalance" style="display:none">
    <h3>Deposit Received</h3>
    <label for="balance">Balance Remaining:</label>
    <input type="number" name="balance" id="balance" disabled>
    <br>
    <div class="myButtons">
        <button type="button" id="printSale" onclick="printSpectacleSale()">Print Sale</button>
    </div>
</div>
</div>
</div>
</body>
</html>
```

Print Letter .php

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Letter To Laboratory</title>
    <link rel="stylesheet" href=".//styles/style.css">
<style>
    .Box {
        position: relative;
        border: 1px black solid;
        border-width: thin;
        background-color: none;
        height: 500px;
        width: 100%;

    }
    .letterAddress {
        height: 100px;
        box-sizing: border-box;
        position: absolute;
        top: 0;
        right: 0;
    }
    .content {
        width: 100vw;
        height: 100vh;
        margin: 5px;
    }
    .letterTitle {
        align-items: center;
        text-align: center;
        justify-content: center;
    }
</style>
```

```
.letterTo{  
    height: 100px;  
    box-sizing: border-box;  
    position: absolute;  
    top: 100px;  
    left: 5px;  
}  
.reference {  
    height: 100px;  
    box-sizing: border-box;  
    position: absolute;  
    top: 160px;  
    left: 350px;  
}  
.condition {  
    height: 100px;  
    box-sizing: border-box;  
    position: absolute;  
    top: 190px;  
    left: 5px;  
}  
.leftEye {  
    height: 100px;  
    box-sizing: border-box;  
    position: absolute;  
    top: 220px;  
    left: 5px;  
}  
.rightEye{  
    height: 100px;  
    box-sizing: border-box;  
    position: absolute;  
    left: 350px;
```

```
}

.rightEye{
    height: 100px;
    box-sizing: border-box;
    position: absolute;
    top: 250px;
    left: 5px;
}

.material{
    height: 100px;
    box-sizing: border-box;
    position: absolute;
    top: 280px;
    left: 5px;
}

.uv{
    height: 100px;
    box-sizing: border-box;
    position: absolute;
    top: 310px;
    left: 5px;
}

.coating{
    height: 100px;
    box-sizing: border-box;
    position: absolute;
    top: 340px;
    left: 5px;
}

.sincerely {
    height: 100px;
    box-sizing: border-box;
    position: absolute;
    top: 370px;
}
```

```

        }
    .Douglas {
        height: 100px;
        box-sizing: border-box;
        position: absolute;
        top: 400px;
        left: 350px;
    }
    .optician {
        height: 100px;
        box-sizing: border-box;
        position: absolute;
        top: 430px;
        left: 350px;
    }

```

</style>

</head>

<body>

<div class="container">

<div class="menu">

<!--Section for Menu-->

<?php include "./layout/sidebar.html" ?>

</div>

<div class="content">

<div class="letterTitle">

<h4>Letter to Lens Laboratory</h4>

</div>

<div class="Box">

<div class="letterAddress">

<p>Spectacles World,

Main Street,

Carlow

<?php

\$date = date('d/m/Y');

<?php

echo \$date; ?>

</div>

<div class="letterTo">

<p>

Clear View Lens Laboratory,

O'Connell Street,

Dublin 1.

</p>

</div>

<div class="reference">

<p>Our Reference: <?php

\$saleId = \$_POST["saleId"];

var_dump(\$saleId);

echo \$saleId;

<?></p>

</div>

<div class="condition">

<p>

Please supply and fit lenses in the enclosed frames, as per the details below:

</p>

</div>

<div class="leftEye">

<p>

Left Eye: <?php echo "variable needed" ?>

</p>

</div>

<div class="rightEye">

<p>

Right Eye: <?php echo "variable needed" ?>

</p>

</div>

<div class="material">

<p>

Lens Material: <?php echo "variable needed" ?>

</p>

</div>

```
        </p>
    </div>
    <div class="uv">
        <p>
            U-V Filter: <?php echo "variable needed" ?>
        </p>
    </div>
    <div class="coating">
        <p>
            Scratch Coating: <?php echo "variable needed" ?>
        </p>
    </div>
    <div class="sincerely">
        <p>Yours sincerely,</p>
    </div>
    <div class="Douglas">
        <p>Douglas T Kadzutu</p>
    </div>
    <div class="optician">
        <p>Optician</p>
    </div>
</div>
</div>
</body>
</html>
```

add_spectacle_sale.php

```
<?php
/*
  NAME: DOUGLAS T KADZTU
  DATE: 03/14/2023
  DESCRIPTION: THE TRANSACTION FILE BETWEEN CLIENT AND DATABASE TO ADD NEW SPECTACLE SALE
 */

include "db.inc.php";
// generate unique id by getting the last entry and adding 1
$query = "SELECT saleId FROM Spectacles_Sale ORDER BY saleId DESC";
$result = $conn->query($query);
$row = $result->fetch_assoc();

// get today's date
$today = date("Y-m-d");

$saleId = $row["saleId"] + 1;
$customerId = $_POST["customerId"];
$eyeTestId = $_POST["eyeTestId"];
$lensMaterial = $_POST["lensMaterial"];
$uvFilter = $_POST["uvFilter"];
$scratchCoating = $_POST["scratchCoating"];
$dateOrdered = $today;
$totalCost = $_POST["totalCost"];
// calculate balance
$deposit = 0.2 * $totalCost;
$remainingBalance = $totalCost - $deposit;
$collected = 0;

// add spectacle sale to database
$query = "INSERT INTO Spectacles_Sale (saleId, customerId, eyeTestId, lensMaterial, uvFilter, scratchCoating, dateOrdered, totalCost, remainingBalance, collected) VALUES (?, ?, ?, ?, ?, ?, ?, ?, ?)";
$stmt = $conn->prepare($query);
$stmt->bind_param("ssssssss", $saleId, $customerId, $eyeTestId, $lensMaterial, $uvFilter, $scratchCoating, $dateOrdered, $totalCost, $remainingBalance, $collected);
$stmt->execute();
$stmt->close();
$balance = array(
    "saleId" => $saleId,
    "remainingBalance" => $remainingBalance
);
echo json_encode($balance);
$conn->close();
?>
```

16

Spectacle_sales_report

The screenshot shows a software interface for managing optician sales. On the left, a sidebar menu lists various categories: Dashboard, Counter Sales, Contact Lens Sales, Spectacle Sales, Eye Tests, Stock Control, File Maintenance, and Quit. The main area is titled "Spectacle Sales Report" and displays a table of sales data. The table has columns for Date of Sale, Customer Name, Address (Street), and Total Cost. The data shows several transactions for customers Dawid, Peter, and Nina across different addresses.

Date of Sale	Customer Name	Address (Street)	Total Cost
2023-03-18	Dawid	81 Mansfield	15.20
2023-03-18	Dawid	81 Mansfield	15.00
2023-03-18	Dawid	81 Mansfield	15.20
2023-03-18	Peter	21 OConnel	15.20
2023-03-18	Nina	2 Glebelands	15.00
2023-03-18	Nina	2 Glebelands	15.20
2023-03-18	Peter	21 OConnel	40.00
2023-03-18	Dawid	81 Mansfield	15.00

[Order By Date](#) [Order By Name](#)

Spectacle sales report.php

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Spectacle Sale report</title>
    <link rel="stylesheet" href=".//styles/style.css">
        <style>
            .content {
                max-width: 800px;
                margin: 0 auto;
            }

            .table {
                width: 100%;
                border-collapse: collapse;
            }

            th {
                background-color: #f2f2f2;
                font-weight: bold;
                text-align: left;
                padding: 8px;
            }

            td {
                border: 1px solid #ddd;
                padding: 8px;
            }

            tr:nth-child(even) {
                background-color: #f2f2f2;
            }
        </style>
    
```

```

.mybuttons {
    margin-top: 20px;
}

button {
    background-color: #5A57FF; /* blue */
    color: white;
    border: none;
    padding: 10px 20px;
    text-align: center;
    text-decoration: none;
    display: inline-block;
    font-size: 16px;
    margin-right: 10px;
    cursor: pointer;
}

button:disabled {
    background-color: #ddd;
    color: #666;
    cursor: not-allowed;
}


```

</style>

```

<script src="./js/script.js" defer="defer"></script>
</head>
<body>
    <div class="container">
        <div class="menu">
            <!--Section for Menu-->
            <?php include "./layout/sidebar.html" ?>
        </div>
        <div class="content">
            <h1>Spectacle Sales Report</h1>
            <div class="content">
                <table border="1" class="table">
                    <tr>
                        <th>Date of Sale</th>
                        <th>Customer Name</th>
                        <th>Address (Street)</th>
                        <th>Total Cost</th>
                    </tr>
                    <?php
                        include "./php/db.inc.php";
                        // Set the default sort order
                        $sort_order = "dateOrdered";
                        // Check if a sort order has been specified
                        if (isset($_GET['sort'])) {
                            $sort_order = $_GET['sort'];
                        }
                        // Query the database to get the list of persons
                        if ($sort_order == "dateOrdered") {
                            $sql = "SELECT Customer.firstname, Customer.street, Spectacles_Sale.saleid, Spectacles_Sale.dateOrdered,
                                    Spectacles_Sale.totalCost
                                    FROM Customer
                                    INNER JOIN Spectacles_Sale ON Customer.customerId = Spectacles_Sale.customerId
                                    WHERE Customer.deleted=0
                                    ORDER BY $sort_order DESC";
                            $result = $conn->query($sql);
                        } else if ($sort_order == "firstname") {
                            $sql = "SELECT Customer.firstname, Customer.street, Spectacles_Sale.saleid, Spectacles_Sale.dateOrdered,
                                    Spectacles_Sale.totalCost
                                    FROM Customer
                                    INNER JOIN Spectacles_Sale ON Customer.customerId = Spectacles_Sale.customerId
                                    WHERE Customer.deleted=0
                                    ORDER BY $sort_order ASC";
                        }
                    <?php
                </table>
            </div>
        </div>
    </div>

```

```

        WHERE customer_id = $customerID
        ORDER BY $sort_order ASC";
$result = $conn->query($sql);
}
if ($result) {
    while ($row = $result->fetch_array()) {
        $dateOrdered = $row["dateOrdered"];
        $firstname = $row["firstname"];
        $address = $row["street"];
        $totalCost = $row["totalCost"];
        echo "<tr>"; // This makes the program to write new data in a new line
        echo "<td>" . $dateOrdered. "</td>";
        echo "<td>" . $firstname. "</td>";
        echo "<td>" . $address. "</td>";
        echo "<td>" . $totalCost. "</td>";
        echo "</tr>";
    }
}
?>
</table>
<div class="mybuttons">
<?php
    echo "<button type=\"button\" onclick =\"sort('dateOrdered')\"". ($sort_order == "dateOrdered" ? "disabled" : "") . "
    >Order By Date</button>";
    echo "<button type=\"button\" onclick =\"sort('firstname')\"". ($sort_order == "firstname" ? "disabled" : "") . "
    >Order
    By Name</button>";
?>
</div>
</div>
</div>

```

/Douglas/optician/styles/style.css

style.css

```
1 /*
2  Name: Douglas kadzutu
3  Date: 17/03/2023
4  Description: This is style sheet is targeting elements that are in customer (add/view/update/delete) files,
5  and Sptacle sales files
6  Student Id: C00290922
7
8 */
9 *{
10    box-sizing: border-box;
11    font-family: Arial, Helvetica, sans-serif;
12 }
13
14 body{
15    margin: 0px; /* remove margin so there are no weird gaps at the edge of the page. we can add them in if we need them. */
16    background: #FAF9FF; /* light grey*/
17    padding: 0px;
18    height: 100vh;
19 }
20
21 .container {
22    display: flex;
23    overflow:hidden;
24 }
25
26 .menu{
27    width: 280px;
28    height: 100vh; /* sidebar is 100% of the browser's vertical height */
29    background: #5A57FF; /* blue */
30    position: relative;
31 }
32
33 .main{
34    /* View Port width and height */
35    width: 100vw;
```

```
36 height: 100vh;
37 /* Instead of using float and positioning */
38 display: flex;
39 background: #FAF9FF;
40 align-items: center;
41 text-align: center;
42 justify-content: center;
43 place-items: center;
44 }
45
46 form {
47 /* Creating a shadow and styling for form and a background colour to suite the style */
48 position: relative;
49 margin-top: 20px;
50 width: 350px;
51 height: 600px;
52 border-radius: 5px;
53 border-style: none;
54 border-top-style: solid;
55 border-width: 5px;
56 border-color: #5A57FF;
57 padding: 10px;
58 background: white;
59 box-shadow: 2.5px 2.5px 2.5px 1px rgba(0, 0, 0, 0.1);
60 text-align: left;
61 }
62
63
64 label {
65 width: 100%;
66 margin: 2px;
67 outline: none;
68 align-items: left;
69 font-weight: bold;
70 }
```

```
70 }
71 }
72
73 input {
74     /* Targeting the above mentioned inbuilt elements */
75     width: 100%;
76     margin-bottom: 5px;
77     height: 20px;
78     margin-top: 5px;
79     outline: none;
80     align-items: left;
81
82 }
83
84 select {
85     width: 100%;
86     margin: 2px;
87     height: 20px;
88     align-items: left;
89 }
90 div#spectacleDetails {
91     display: none;
92 }
93
94 #editButton {
95     width: 100%;
96     color: white;
97     padding: 14px 20px;
98     margin: 8px 5px;
99     border: none;
100    border-radius: 4px;
101    cursor: pointer;
102 }
103
```

```
104 #saveButton {
105   width: 100%;
106   color: white;
107   padding: 14px 20px;
108   margin: 8px 0;
109   border: none;
110   border-radius: 4px;
111   cursor: pointer;
112 }
113
114 #cancelButton {
115   width: 100%;
116   color: white;
117   padding: 14px 20px;
118   margin: 8px 0;
119   border: none;
120   border-radius: 4px;
121   cursor: pointer;
122   margin-left: 5px;
123 }
124
125 #deleteButton {
126   width: 100%;
127   color: white;
128   padding: 14px 20px;
129   margin: 8px 0;
130   border: none;
131   border-radius: 4px;
132   cursor: pointer;
133   margin-left: 5px;
134 }
135
```

```
136 .myButtons {
137     display: flex;
138     margin-left: 2px;
139     margin-top: 10px;
140 }
141
142 button:disabled {
143     background-color: grey;
144 }
145
146 #cancelButton:enabled {
147     background-color: red;
148 }
149
150 #deleteButton:enabled {
151     background-color: red;
152 }
153
154 #saveButton:enabled {
155     background-color: #5A57FF;
156 }
157
158 #editButton:enabled {
159     background-color: green;
160 }
161 /* set the size of the sidebar buttons */
162 .sidebar_button div{
163     background: #5A57FF; /* blue */
164     padding: 15px;
165     padding-left: 60px;
166     width: 280px;
167 }
168
```

```
169 /* change sidebar button colour when hovering over with mouse */
170 .sidebar_button div:hover{
171     background: #C2C0FF; /* light blue */
172 }
173
174 /* sidebar button links are white with no underline */
175 .sidebar_button{
176     color: white;
177     text-decoration: none;
178 }
179
180 /* sidebar button links change to blue when hovering */
181 .sidebar_button:hover{
182     color: #5A57FF; /* blue */
183 }
184
185 #sidebar{
186     padding: 70px 0 0 0;
187     width: 280px;
188     height: 100vh; /* sidebar is 100% of the browser's vertical height */
189     background: #5A57FF; /* blue */
190     position: relative;
191 }
```

/Douglas/optician/js/script.js

```
/*
NAME: DOUGLAS T KADZUTU
DATE: 03/14/2023

DESCRIPTION: THE CONTROLLER FILE THAT DIRECTLY TRANSCATIONS TO THE
APPROPRIATE PHP FILES ONCE DATA IS VALIDATED ON THE CLIENT SIDE

STUDENT ID: C00290922

*/
function addCustomer() {
    // We need to validate the inputs
    let firstname = document.getElementById('firstname').value;
    let surname = document.getElementById("surname").value;
    let street = document.getElementById("street").value;
    let town = document.getElementById("town").value;
    let country = document.getElementById("country").value;
    let dateOfBirth = document.getElementById("dob").value;
    let telephone = document.getElementById("telephone").value;
    let xhr = new XMLHttpRequest()
    if (validateCustomer()) {
        if (!confirm("You are about to save " + firstname + " " + surname + " from " + town + ".\nClick Ok to Confirm")) {
            return;
        }
        xhr.onreadystatechange = function() {
            if (xhr.readyState === XMLHttpRequest.DONE) {
                if (xhr.status === 200) {
                    // Update was successful
                    alert("Customer saved")
                    window.location.href = "./customer.php";
                } else {

```

```

        // Update failed
        alert("Error: Unable to save changes.");
    }
}

}

// send to appropriate transaction file for backend processing
xhr.open("POST", "./php/add_customer_details.php", true);
xhr.setRequestHeader("Content-type", "application/x-www-form-urlencoded");
xhr.send("firstname=" + firstname + "&surname=" + surname + "&street=" + street
+ "&town=" + town + "&country=" + country + "&dob=" + dateOfBirth + "&telephone="
+ telephone);
}

}

function getCustomerDetails(x) {
    // x: 1 means its a delete and 0 means it is for update
    let customerList = document.getElementById("customerList");
    let selectedCustomerId = customerList.value;
    if (selectedCustomerId === "") {
        if(x == 1) {
            document.getElementById("deleteButton").disabled = true;
        } else {
            document.getElementById("editButton").disabled = true;
            document.getElementById("saveButton").disabled = true;
        }
        clearDetails();
        disableInputs();
    }
}

```

```

} else {
    if (x == 1) {
        document.getElementById("deleteButton").disabled = false;
    } else {
        document.getElementById("editButton").disabled = false;
    }
}

let xhr = new XMLHttpRequest();
xhr.onreadystatechange = function() {
    if (this.readyState == 4 && this.status == 200) {
        let customerDetails = JSON.parse(this.responseText);
        fillInDetails(customerDetails);

        if (x == 1 && customerDetails.canBeDeleted == false) {
            document.getElementById("deleteButton").disabled = true;
            alert("Customer " + customerDetails.firstname + " cannot be deleted because of existing Eye Test record");
            return false;
        }

        disableInputs();
    }
}

// send to appropriate transaction file for backend processing
xhr.open("GET", "./php/get_customer_details.php?customerId=" + selectedCustomerId, true);
xhr.send();
}

}

function cancelChanges() {
    // This is to make sure that the user has the correct information
    let confirmed = confirm("Are you sure you want to cancel");
}

```

```

if (confirmed) {
    getCustomerDetails(0);
}

}

function cancelEditChanges() {
let confirmed = confirm("Are you sure you want to cancel");
if (confirmed) {
    document.getElementById("editButton").disabled = true;
    document.getElementById("saveButton").disabled = true;
    getCustomerDetails();
}
}

function cancelAddCustomer() {
let confirmed = confirm("Are you sure you want to cancel");
if (confirmed) {
    document.getElementById('firstname').value = "";
    document.getElementById("surname").value = "";
    document.getElementById("street").value = "";
    document.getElementById("town").value = "";
    document.getElementById("country").value = "";
    document.getElementById("dob").value = "";
    document.getElementById("telephone").value = "";
}
}

function enableEdit() {
// For updating customer details
}

```

```

let customerId = document.getElementById("customerId").value;
if (customerId < 1) {
    // check if any customer was selected
    return false;
} else {
    document.getElementById("firstname").disabled = false;
    document.getElementById("surname").disabled = false;
    document.getElementById("street").disabled = false;
    document.getElementById("town").disabled = false;
    document.getElementById("country").disabled = false;
    document.getElementById("dob").disabled = false;
    document.getElementById("telephone").disabled = false;

    document.getElementById("saveButton").disabled = false;
    document.getElementById("cancelButton").disabled = false;
}

function saveChanges() {
    // Ensuring all inputs will be validated
    let customerId = document.getElementById('customerId').value;
    let firstname = document.getElementById('firstname').value;
    let surname = document.getElementById("surname").value;
    let street = document.getElementById("street").value;
    let town = document.getElementById("town").value;
    let country = document.getElementById("country").value;
    let dateOfBirth = document.getElementById("dob").value;
    let telephone = document.getElementById("telephone").value;
}

```

```

// Validate the input values
if(validateCustomer()) {
    // allow user to be double sure before saving
    if (!confirm("Are you sure you want to save the changes?")) {
        return;
    }

    // Send an AJAX request to update the database
    let xhr = new XMLHttpRequest();
    xhr.onreadystatechange = function() {
        if (xhr.readyState === XMLHttpRequest.DONE) {
            if (xhr.status === 200) {
                // Update was successful
                alert("Changes saved.");
                window.location.href = "./customer.php";
            } else {
                // Update failed
                alert("Error: Unable to save changes.");
            }
        }
    };
    disableInputs();
    document.getElementById("saveButton").disabled = true;
    // send to appropriate transaction file for backend processing
    xhr.open("POST", "./php/update_customer_details.php", true);
    xhr.setRequestHeader("Content-type", "application/x-www-form-urlencoded");
    xhr.send("customerId=" + customerId + "&firstname=" + firstname + "&surname=" +
surname + "&street=" + street

```

```

        + "&town=" + town + "&country=" + country + "&dob=" + dateOfBirth + "&telephone="
        + telephone);

    }

}

function deleteCustomer() {
    let customerId = document.getElementById('customerId').value;
    let firstname = document.getElementById('firstname').value;
    let surname = document.getElementById("surname").value;
    let street = document.getElementById("street").value;
    let town = document.getElementById("town").value;
    let country = document.getElementById("country").value;
    let dateOfBirth = document.getElementById("dob").value;
    let telephone = document.getElementById("telephone").value;
    let deleted = 1;

    // Validate the input values
    if(validateCustomer()) {
        if (!confirm("Confirm delete for " + firstname + "\nYou cannot reverse after confirming")) {
            return;
        }
    }

    // Send an AJAX request to update the database
    let xhr = new XMLHttpRequest();
    xhr.onreadystatechange = function() {
        if (xhr.readyState === XMLHttpRequest.DONE) {
            if (xhr.status === 200) {
                // Update was successful

```

```

        alert("Customer deleted.");
        window.location.href = "./delete_customer.php";
    } else {
        // Update failed
        alert("Error: Unable to delete customer.");
    }
}

};

disableInputs();
// send to appropriate transaction file for backend processing
xhr.open("POST", "./php/update_customer_details.php", true);
xhr.setRequestHeader("Content-type", "application/x-www-form-urlencoded");
xhr.send("customerId=" + customerId + "&firstname=" + firstname + "&surname=" +
surname + "&street=" + street
        + "&town=" + town + "&country=" + country + "&dob=" + dateOfBirth + "&telephone="
+ telephone + "&deleted=" + deleted);
}

}

function getCustomerSpectacleSale() {
let customerList = document.getElementById("customerList");
let selectedCustomerId = customerList.value;
if (selectedCustomerId === "") {
    alert("Please select customer");
    disableSpectacleInputs();
} else {
    let xhr = new XMLHttpRequest();
    xhr.onreadystatechange = function() {
        if (this.readyState == 4 && this.status == 200) {
            let customerDetails = JSON.parse(this.responseText);

```

```

        fillInSpectacleDetails(customerDetails);

        disableSpectacleInputs();

document.getElementById("confirmButton").disabled = false

    }

}

// send to appropriate transaction file for backend processing

xhr.open("GET", "./php/get_customer_details.php?customerId=" + selectedCustomerId,
true);

xhr.send();

}

}

function viewSpectacleDetails() {

// Show eyetest results

let customerId = document.getElementById("customerId").value;

if(customerId == "") {

    alert("Please select customer");

    return false;

} else {

// prevent alert from showing multi times since onready state event fires multiple times

let alertDisplayed = false;

let xhr = new XMLHttpRequest();

xhr.onreadystatechange = function() {

    if (this.readyState == 4) {

if (this.status == 200) {

let eyeTestDetails = JSON.parse(this.responseText);

if (eyeTestDetails.Error) {

alert("Customer does not have any Eyetest record. Please schedule for one");

alertDisplayed = true;

```

```

        return false;

    } else { // no error in retrieving eyeTest Record
        fillInEyeTestDetails(eyeTestDetails);

            // show the spectacleDetails div
            document.getElementById("spectacleDetails").style.display = "block";

            // hide the customerDetails div
            document.getElementById("customerDetails").style.display = "none";

        document.getElementById("customerList").disabled = true
    }
}

}

}

// send to appropriate transaction file for backend processing
xhr.open("GET", "./php/get_customer_eyeTest.php?customerId=" + customerId, true);
xhr.send();
}

}

function processStockNumber() {
    let stockId = document.getElementById("stockNumber").value;
    if (stockId == "" || stockId == null) {
        alert ("Please enter Stock Number");
        return false;
    }
    else {
        let alertDisplayed = false;
        let xhr = new XMLHttpRequest();
        xhr.onreadystatechange = function() {

```

```

        if (this.readyState == 4 ) {
            if (this.status == 200) {
                let orderDetails = JSON.parse(this.responseText);
                if (orderDetails.Error) {
                    alert("Stock Number invalid. please enter valid stock number");
                    alertDisplayed = true;
                    return false;
                } else {
                    fillInOrderDetails(orderDetails);
                    // hide the spectacleDetails div
                    document.getElementById("spectacleDetails").style.display = "none";
                    // show the customerRequirements div
                    document.getElementById("customerRequirements").style.display =
                    "block";
                }
            }
        }

        // send to appropriate transaction file for backend processing
        xhr.open("GET", "./php/get_stock_details.php?stockId=" + stockId, true);
        xhr.send();

    }

}

function processRequirements() {
    // this is the details for the order and diplay deposit to be paid
    const materialRadios = document.querySelectorAll('input[name="lense"]');
    const coatingRadios = document.querySelectorAll('input[name="coating"]');
}

```

```

const uvFilterRadios = document.querySelectorAll('input[name="uv"]');

let selectedMaterial;
materialRadios.forEach((radio) => {
  if (radio.checked) {
    selectedMaterial = radio.value;
  }
});

let selectedCoating;
coatingRadios.forEach((radio) => {
  if (radio.checked) {
    selectedCoating = radio.value;
  }
});

let selectedUv;
uvFilterRadios.forEach((radio) => {
  if (radio.checked) {
    selectedUv = radio.value;
  }
});

if (selectedMaterial == null || selectedCoating == null || selectedUv == null ){
  alert ("Please Fill all requirements");
  return false;
} else {
  // hide the customerRequirements div
  document.getElementById("customerRequirements").style.display = "none";
  // show the costOrder div
}

```

```

document.getElementById("costOrder").style.display = "block";
}

}

function confirmDeposit() {
    // add order to spectacle sales

    const materialRadios = document.querySelectorAll('input[name="lense"]');
    const coatingRadios = document.querySelectorAll('input[name="coating"]');
    const uvFilterRadios = document.querySelectorAll('input[name="uv"]');

    let selectedMaterial;
    materialRadios.forEach((radio) => {
        if (radio.checked) {
            selectedMaterial = radio.value;
        }
    });

    let selectedCoating;
    coatingRadios.forEach((radio) => {
        if (radio.checked) {
            selectedCoating = radio.value;
        }
    });

    let selectedUv;
    uvFilterRadios.forEach((radio) => {
        if (radio.checked) {
            selectedUv = radio.value;
        }
    })
}

```

```

});

///

let customerId = document.getElementById("customerId").value;
let eyeTestId = document.getElementById("eyeTestId").value;
let lensMaterial = selectedMaterial;
let uvFilter = selectedUv;
let scratchCoating = selectedCoating;
let totalCost = document.getElementById("retailPrice").value;
let xhr = new XMLHttpRequest()

if (validateSpectacleSale()) {

    if (!confirm("You are about to save spectacle sale details ")) {

        return;
    }

    xhr.onreadystatechange = function() {

        if (xhr.readyState === XMLHttpRequest.DONE) {

            if (xhr.status === 200) {

                // Update was successful
                alert("Sale saved");

                let balance = JSON.parse(this.responseText);

                document.getElementById("confirmDeposit").style.display = "none";
                    // show the remainingBalance div
                    document.getElementById("remainingBalance").style.display =
"block";
                document.getElementById("balance").value = balance.remainingBalance;
                localStorage.setItem("saleId", balance.saleId); // we will use it to query for the letter
                    //window.location.href = "./customer.php";
            } else {
                // Update failed
            }
        }
    }
}

```

```

        alert("Error: Unable to save changes.");
    }

}

// send to appropriate transaction file for backend processing
xhr.open("POST", "./php/add_spectacle_sale.php", true);
xhr.setRequestHeader("Content-type", "application/x-www-form-urlencoded");
xhr.send("customerId=" + customerId + "&eyeTestId=" + eyeTestId + "&lensMaterial=" +
lensMaterial
    + "&uvFilter=" + uvFilter + "&scratchCoating=" + scratchCoating + "&totalCost=" +
totalCost);
}

}

function printSpectacleSale() {
    console.log("Print sale");

let saleId = localStorage.getItem("saleId")
if(!saleId) {
    alert("Cannot retrieve letter. Sale Id not specified");
    return false
} else {
    let xhr = new XMLHttpRequest()

    xhr.onreadystatechange = function() {
        if (xhr.readyState === XMLHttpRequest.DONE) {
            if (xhr.status === 200) {
                window.location.href = "./print_letter.php";
            } else {
                alert("Unable to retrieve Letter");
            }
        }
    }
}

```

```

}

// send to appropriate transaction file for backend processing

xhr.open("POST", "./print_letter.php", true);
xhr.setRequestHeader("Content-type", "application/x-www-form-urlencoded");
xhr.send("saleId=" + saleId);

}

}

// Sort spectacle report

function sort(sort_order) {

    window.location.href = "./spectacle_sale_report.php?sort=" + sort_order;
}

// Helper Methods

function validateCustomer() {

    let firstname = document.getElementById('firstname').value;

    let surname = document.getElementById("surname").value;

    let street = document.getElementById("street").value;

    let town = document.getElementById("town").value;

    let country = document.getElementById("country").value;

    let dateOfBirth = document.getElementById("dob").value;

    let telephone = document.getElementById("telephone").value;

    if(firstname == "") {

        alert("Please enter firstname");

        return false;
    }
}

```

```
if(surname == "") {  
    alert("Please enter surname");  
    return false;  
}  
  
if(street == "") {  
    alert("Please enter street address");  
    return false;  
}  
  
if(town == "") {  
    alert("Please enter town");  
    return false;  
}  
  
if(country == "") {  
    alert("Please enter country");  
    return false;  
}  
  
if(dateOfBirth == "") {  
    alert("Please enter date of birth");  
    return false;  
}  
  
if(telephone == "") {  
    alert("Please enter phone number");  
    return false;  
}  
  
if (!validateTelephone(telephone)) {  
    return false;  
}
```

```

if(!verifyAge()) {
    alert("Customer cannot be born after today, Please ensure correct Date of Birth is
inserted");
    return false;
}

return true;
}

function verifyAge() {
let dob = document.getElementById("dob").value;
let today = new Date();
let birth = new Date(dob);
let age = today.getFullYear() - birth.getFullYear();
if (age >= 0) {
    if (age > 0) {
        return true;
    } else {
        var month = today.getMonth() - birth.getMonth()
        if (month > 0) {
            return true
        } else if (month === 0) {
            var day = today.getDate() - birth.getDate()
            if (day >= 0) {
                return true
            } else {
                return false
            }
        }
    }
}

```

```

    } else {
        return false
    }
}

} else {
    return false
}
}

function validateTelephone(telephone) {
    if (telephone.length > 15) {
        alert("Phone number is too long \nPlease only insert digits \nNo spaces or dash(-)")
        return false
    }

    return true
}

function validateSpectacleSale() {
    return true;
}

function clearDetails() {
    document.getElementById("customerId").value = "";
    document.getElementById("firstname").value = "";
    document.getElementById("surname").value = "";
    document.getElementById("street").value = "";
    document.getElementById("town").value = "";
    document.getElementById("dob").value = "";
}

```

```

document.getElementById("country").value = "";
document.getElementById("telephone").value = "";
}

function fillInDetails(customerDetails) {
    document.getElementById("customerId").value = customerDetails.customerId;
    document.getElementById("firstname").value = customerDetails.firstname;
    document.getElementById("surname").value = customerDetails.surname;
    document.getElementById("street").value = customerDetails.street;
    document.getElementById("town").value = customerDetails.town;
    document.getElementById("country").value = customerDetails.country;
    document.getElementById("dob").value = customerDetails.dateOfBirth;
    document.getElementById("telephone").value = customerDetails.telephone;
}

function fillInSpectacleDetails(customerDetails) {
    document.getElementById("customerId").value = customerDetails.customerId;
    document.getElementById("firstname").value = customerDetails.firstname;
    document.getElementById("street").value = customerDetails.street;
    document.getElementById("town").value = customerDetails.town;
    document.getElementById("country").value = customerDetails.country;
    document.getElementById("dob").value = customerDetails.dateOfBirth;
}

function fillInEyeTestDetails (eyeTestDetails) {
    document.getElementById("leftEye").value = eyeTestDetails.leftEye;
    document.getElementById("rightEye").value = eyeTestDetails.rightEye;
    document.getElementById("testDate").value = eyeTestDetails.testDate;
    document.getElementById("eyeTestId").value = eyeTestDetails.eyeTestId;
}

```

```
}
```

```
function fillInOrderDetails(orderDetails) {  
    document.getElementById("retailPrice").value = orderDetails.retailPrice;  
    document.getElementById("deposit").value = orderDetails.deposit;  
}
```

```
function disableInputs() {  
    document.getElementById("customerId").disabled = true;  
    document.getElementById("firstname").disabled = true;  
    document.getElementById("surname").disabled = true;  
    document.getElementById("street").disabled = true;  
    document.getElementById("town").disabled = true;  
    document.getElementById("dob").disabled = true;  
    document.getElementById("country").disabled = true;  
    document.getElementById("telephone").disabled = true;  
}
```

```
function disableSpectacleInputs() {  
    document.getElementById("firstname").disabled = true;  
    document.getElementById("street").disabled = true;  
    document.getElementById("town").disabled = true;  
    document.getElementById("dob").disabled = true;  
    document.getElementById("country").disabled = true;  
}
```