WOODSIDE HUB USER GUIDE

Candidate Number: 3190

CENTRE NUMBER: 71619

Contents
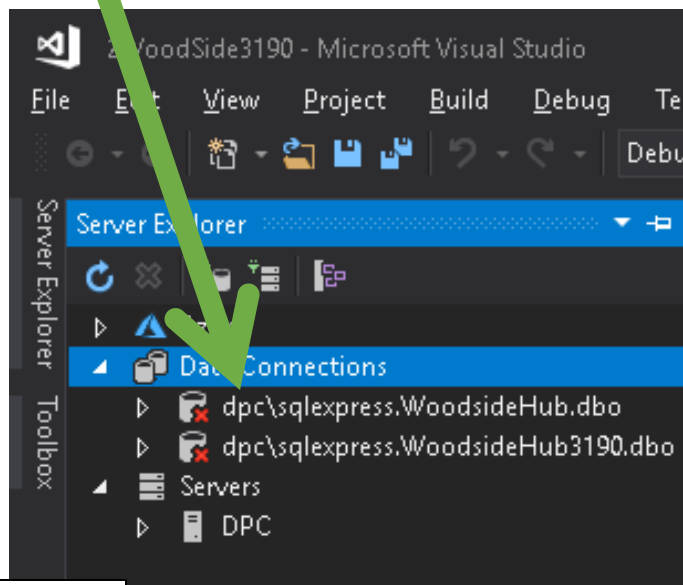
Creating The Database

You must first create the database. This can be done within visual studio. There's three simple steps to creating the database

Step #1 - Navigating to the connection form

You must right click here.
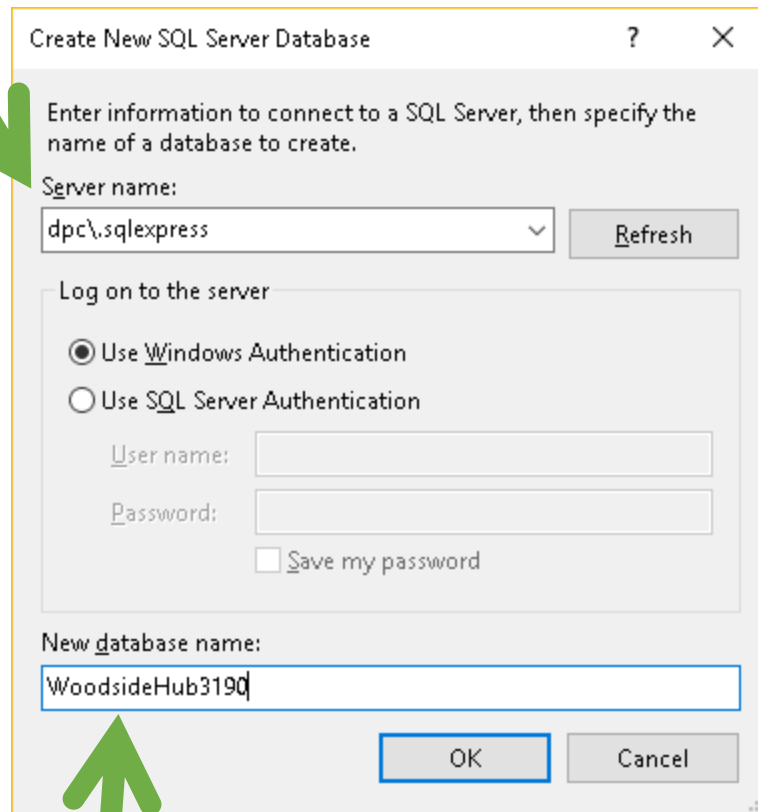
Click 'Create New SQL Server Database'
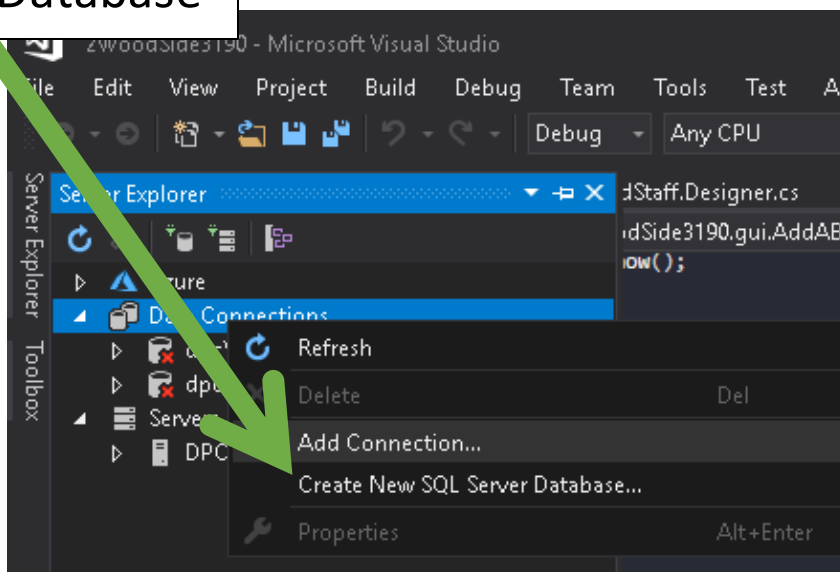
Fill this out using your server name; this can be found in the server management studio

Call your new database 'WoodsideHub3190'. It must be spelled exactly as indicated. Once filled, click 'Ok'

The new Database should appear like this
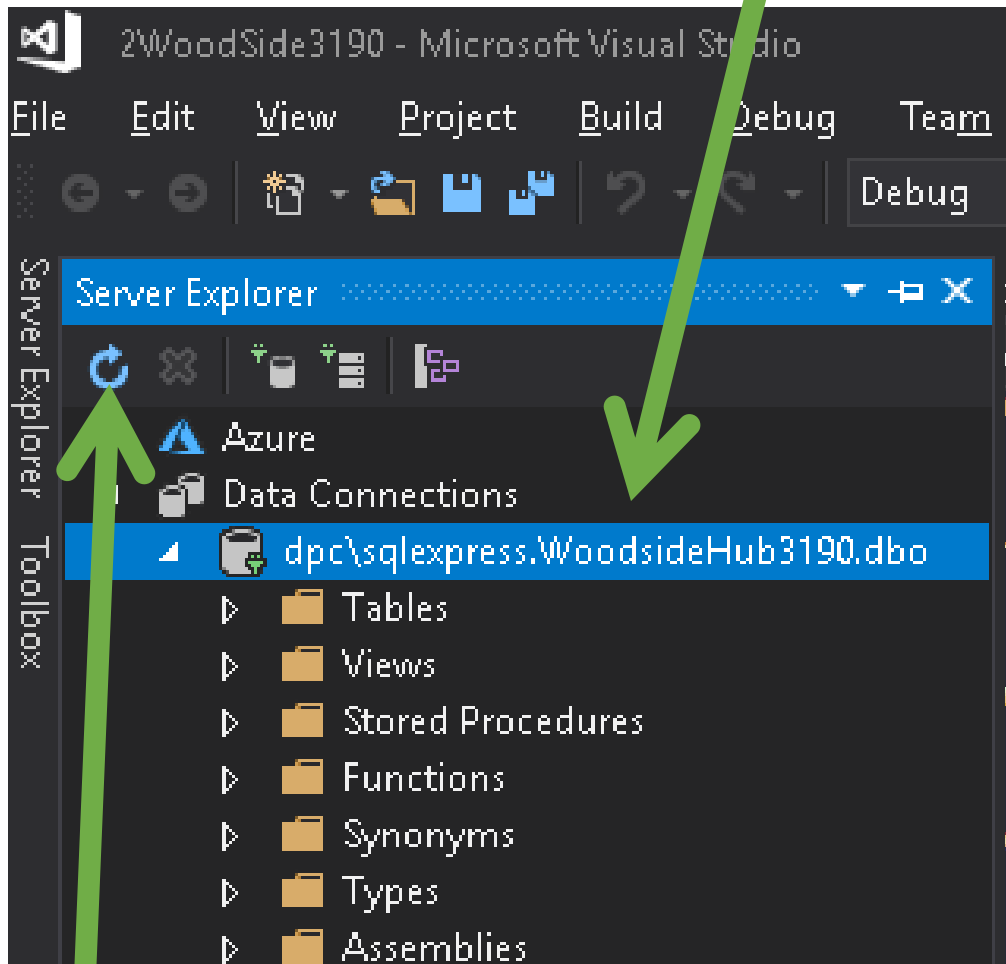
If the database does not appear, click the refresh button

If the database still doesn't appear after clicking the refresh button, retry creating the database

Adding Tables To The Database

You must create the tables by using the SQL code that's stored in the text files that have been included in the file directory. If you have accidentally deleted the code or cant find the code; it's been included at the end of the user guide in the appendix section.

Step #1 – Open a new query

Right click the newly created database
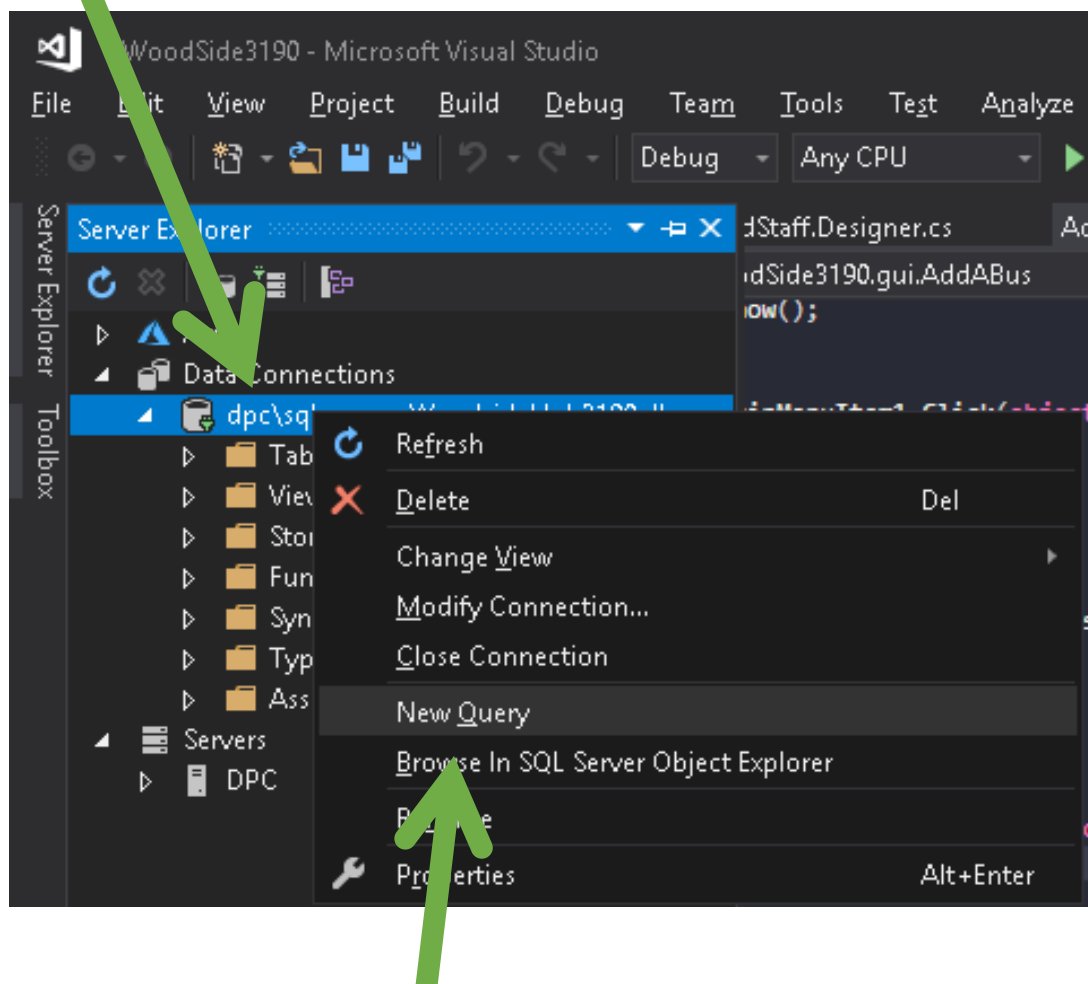
Click the 'New Query' from the dropdown menu

Step #2 – Create and run the query

Copy the text from the 'Create.txt' file and paste it into the query

Step #3 – Run the query and check for errors

Click the green play button

CREATE TABLE [dbo].[Staff] (
    [StaffId]   INT   IDENTITY (1, 1) NOT NULL,
    [StaffName]   NVARCHAR (50) NOT NULL,
    [StaffNumber]   INT NOT NULL,
    [StaffAddress]   NVARCHAR (50) NOT NULL,
    [StaffEmail]   NVARCHAR (50) NOT NULL,
    [StaffVoluntary] BIT   NOT NULL,
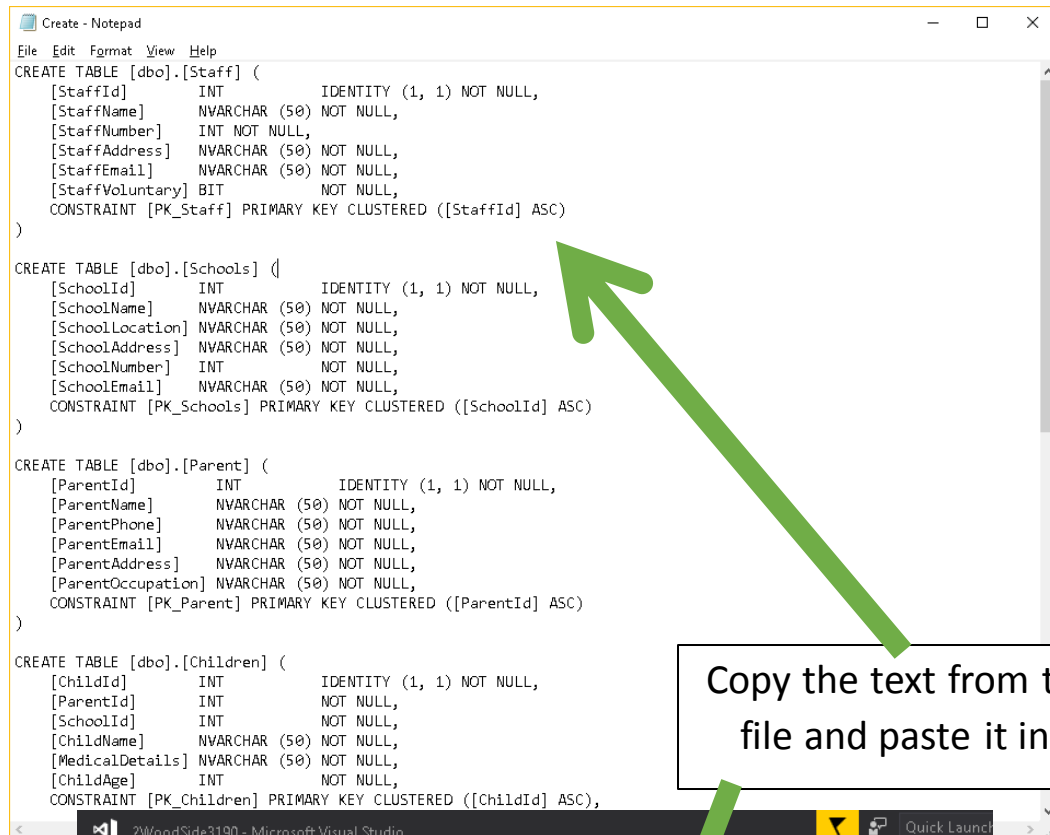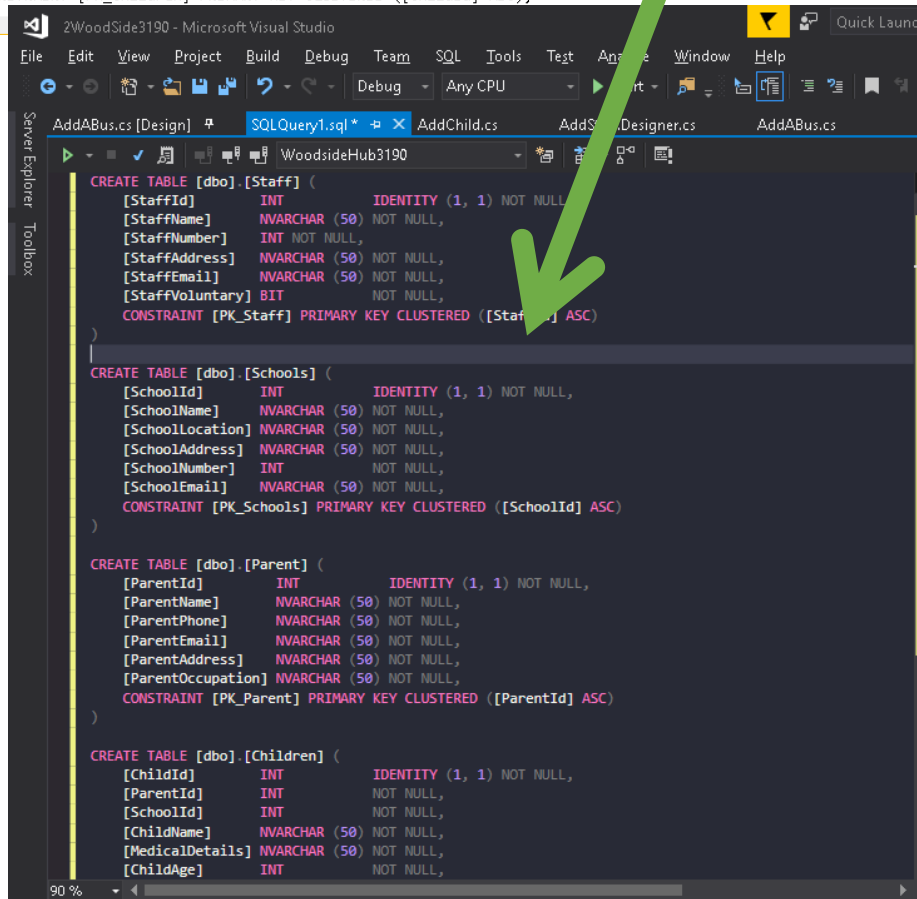   CONSTRAINT [PK_Staff] PRIMARY KEY CLUSTERED ([StaffId] ASC)
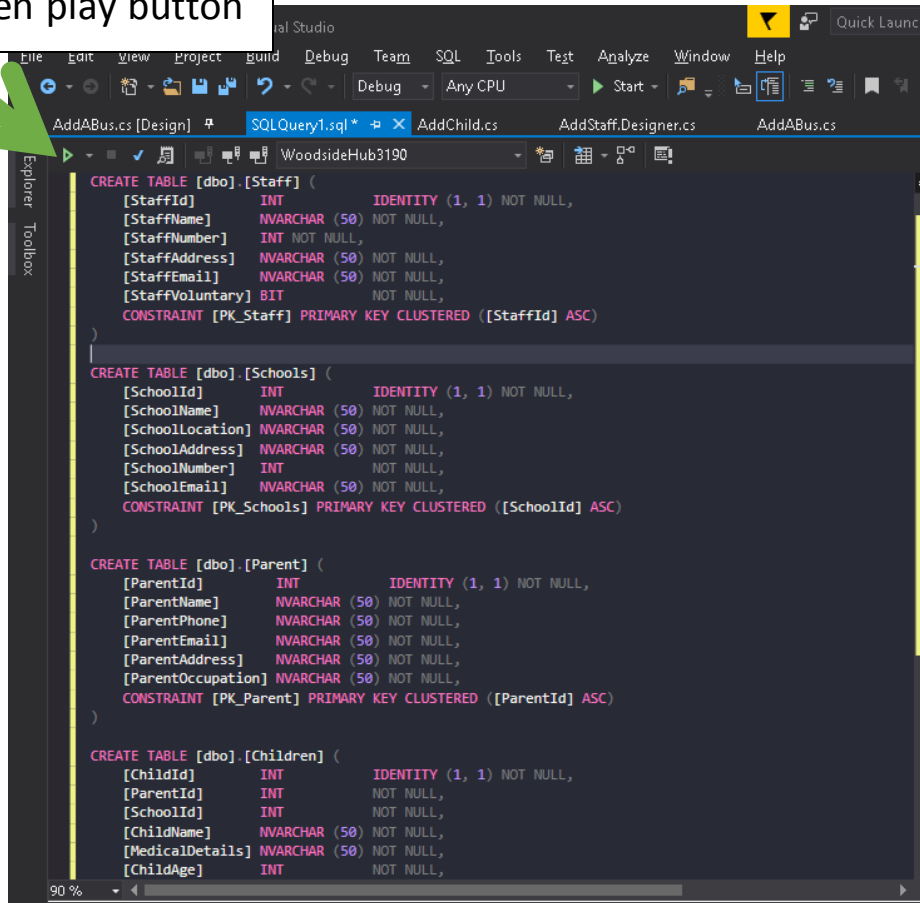)

CREATE TABLE [dbo].[Schools] (
    [SchoolId]   INT   IDENTITY (1, 1) NOT NULL,
    [SchoolName]   NVARCHAR (50) NOT NULL,
    [SchoolLocation] NVARCHAR (50) NOT NULL,
    [SchoolAddress] NVARCHAR (50) NOT NULL,
    [SchoolNumber]   INT   NOT NULL,
    [SchoolEmail]   NVARCHAR (50) NOT NULL,
    CONSTRAINT [PK_Schools] PRIMARY KEY CLUSTERED ([SchoolId] ASC)
)

CREATE TABLE [dbo].[Parent] (
    [ParentId]   INT   IDENTITY (1, 1) NOT NULL,
    [ParentName]   NVARCHAR (50) NOT NULL,
    [ParentPhone]   NVARCHAR (50) NOT NULL,
    [ParentEmail]   NVARCHAR (50) NOT NULL,
    [ParentAddress] NVARCHAR (50) NOT NULL,
    [ParentOccupation] NVARCHAR (50) NOT NULL,
    CONSTRAINT [PK_Parent] PRIMARY KEY CLUSTERED ([ParentId] ASC)
)

CREATE TABLE [dbo].[Children] (
    [ChildId]   INT   IDENTITY (1, 1) NOT NULL,
    [ParentId]   INT   NOT NULL,
    [SchoolId]   INT   NOT NULL,
    [ChildName]   NVARCHAR (50) NOT NULL,
    [MedicalDetails] NVARCHAR (50) NOT NULL,
    [ChildAge]   INT   NOT NULL,

If the query worked, this message will appear

CREATE TABLE [dbo].[Bus] (
    [BusId]   INT   IDENTITY (1, 1) NOT NULL,
    [BusRoute] NVARCHAR (50) NOT NULL,
    [Driver]   NVARCHAR (50) NOT NULL,
    [Time]   INT   NOT NULL,
    CONSTRAINT [PK_Bus] PRIMARY KEY CLUSTERED ([BusId] ASC)
)

CREATE TABLE [dbo].[BusBooking] (
    [BusBookingId] INT IDENTITY (1, 1) NOT NULL,
    [BusId]   INT NOT NULL,
    [StaffId]   INT NOT NULL,
    CONSTRAINT [PK_BusBooking] PRIMARY KEY CLUSTERED ([BusBookingId] ASC),
    CONSTRAINT [BusBookingToBus] FOREIGN KEY ([BusId]) REFERENCES [dbo].[Bus] ([BusId]),
    CONSTRAINT [BusBookingToStaff] FOREIGN KEY ([StaffId]) REFERENCES [dbo].[Staff] ([StaffId])

Command(s) completed successfully.

7

If an error occurs, retry copying and pasting the code.
If the error persists; contact our customer services

If the query worked as intended and all the correct steps have been followed. All the tables will be shown here

VoodSide3190 - Microsoft Visual Studio

dit   View   Project   Build   Debug   Team

Debug

er Explorer

Azure

Connections

dpc\sqlexpress.WoodsideHub3190.dbo

Tables

Booking

Bus

BusBooking

Cancellation

Children

Parent

Schools

Staff

Views

Stored Procedures

Functions

Synonyms

Types

Assemblies

8
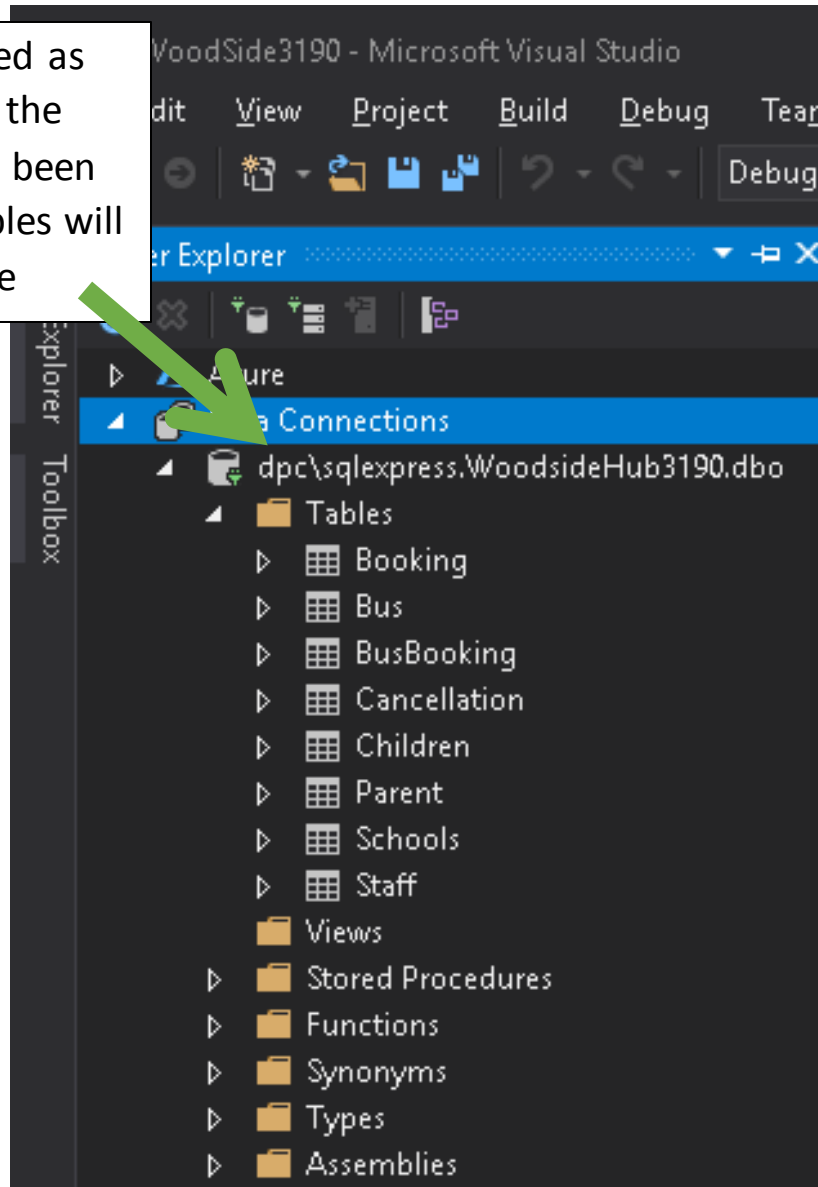
Inserting Data To The Table

Once the tables have been created, you must fill the tables using data. There has already been data created and it's stored in the insert text file in the file directory. You must take the text from the text-file and run a query using the text; this will put the data in your newly created database. If you can't find the Insert.txt file for have accidentally deleted it; the necessary code is in the appendix section of this user guide.
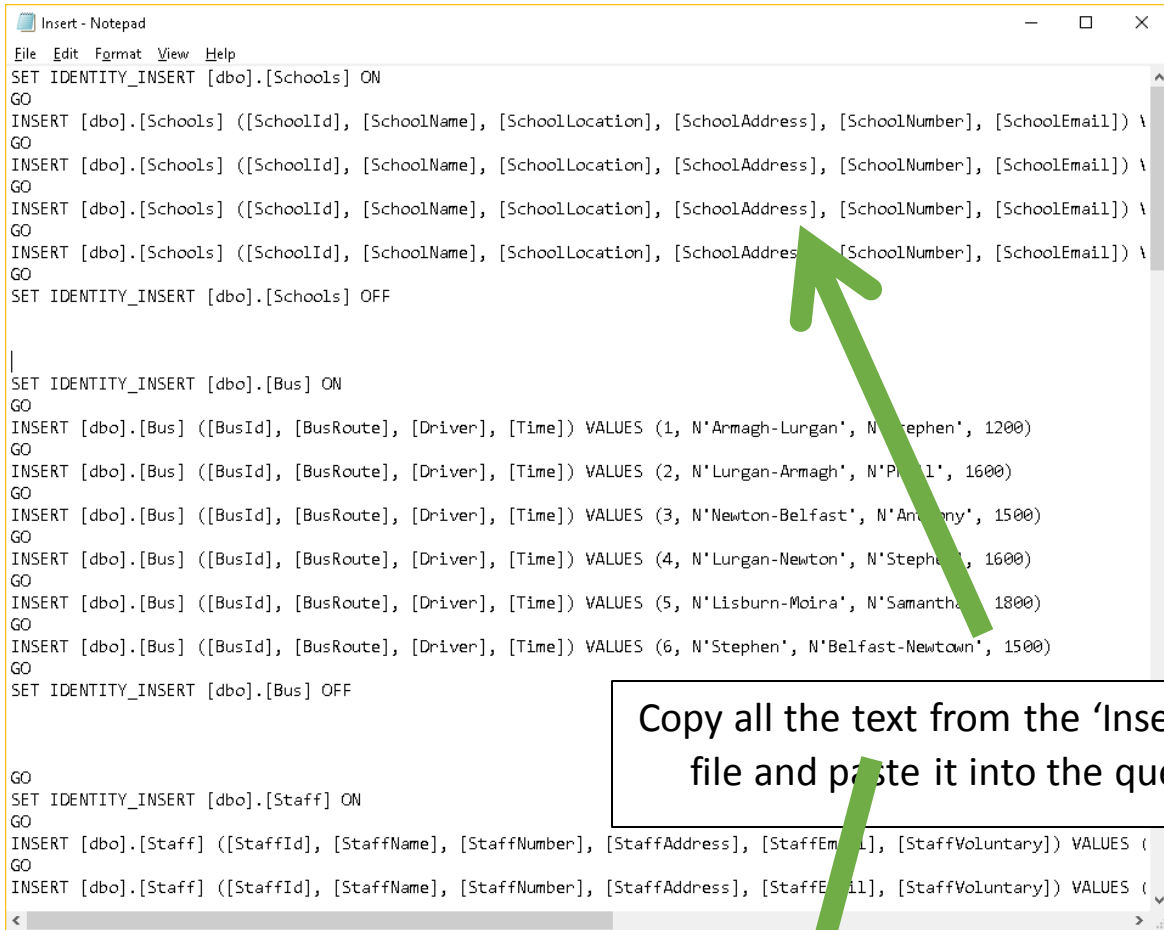
Step #1 – Create a new query

Right click on the 'Tables' heading in your created database

Click 'New Query' from this drop down menu

Step #2 – Create and run the query

Copy all the text from the 'Insert.txt' file and paste it into the query

Step #3 – Run the query and check for errors

Click the green play button once all the text has been put in the query

If the query worked successfully; this will appear at the bottom of the screen

If the query didn't work retry copying and pasting the code. If it still isn't working; contact our customer services

Getting into the After-Schools-Section

When the application loads you must click the after-schools section; as none of the other sub-systems have been developed yet. When you click the 'After-Schools Club' button you will be taken to the connection form where you must enter your PCs SQL connection string (This will be different dependent on your computer and you may need to contact us for assistance)

Step #1 – Click the 'After-Schools Club' button.

You can also click the menu to get to the next form

Click this button to be taken to the connection form

Step #2 – Click the 'Confirm' button when you've entered the connection string

Fill this using your connection string, this will be different dependent on your computer. It can also be found in the server management studio. (There's advice in the Appendix section)

Woodside Hub

Enter Connection Code

.\sqlexpress

Confirm

Click this button when you've filled the textbox

If an error message appears or the program freezes and buffers; you must have used the wrong connection string

If the connection string is correct, the main application will appear on screen

Using the main application

The main application essentially allows you to navigate between all the different sections of the application by using the on-screen buttons. Below is an explanation of what each button does.

Lets the user add data to individual tables

Lets the user see the daily attendance register

Lets the user register a new child in the database

Lets the user run complex searches on the different tables

Lets the user see all the previously cancelled appointments

After-Schools Club   Creche   Transport Services   Advice Service   Classes   Groups

WOODSIDE HUB

Reports

Add A Child

Add Data

View Cancelled Appointments

Search

Make A booking

Modify Data

Cancel Appointment

Help

Contact Details

4/12/2019 11:25:39 AM

Allows the user to make either a booking or a bus booking

Allows the user to select what type of data they want to modify

Lets the user cancel a booking in the system

Takes the user to this document

Lets the user get contact details for a searched for child

Getting a report for daily attendance

The application allows you to create a daily attendance register for the children that are using the after-schools club. You can search by date and a report will appear on screen which can be printed, this report is highly useful as you can use it to check which children are using the service.

Step #1 – Click the 'Reports' button on the main application.

You can also use the menu to get to the report form; click 'Reports' in the drop-down menu

Click this button to be taken to the report form

After-Schools Club   Creche   Transport Services   Advice Service   Classes   Groups

WOODSIDE HUB:

Reports   Add A Child   Add Data   View Cancelled Appointments   Search

Make A booking   Modify Data   Cancel Appointment   Help   Contact Details

4/12/2019 11:58:11 AM
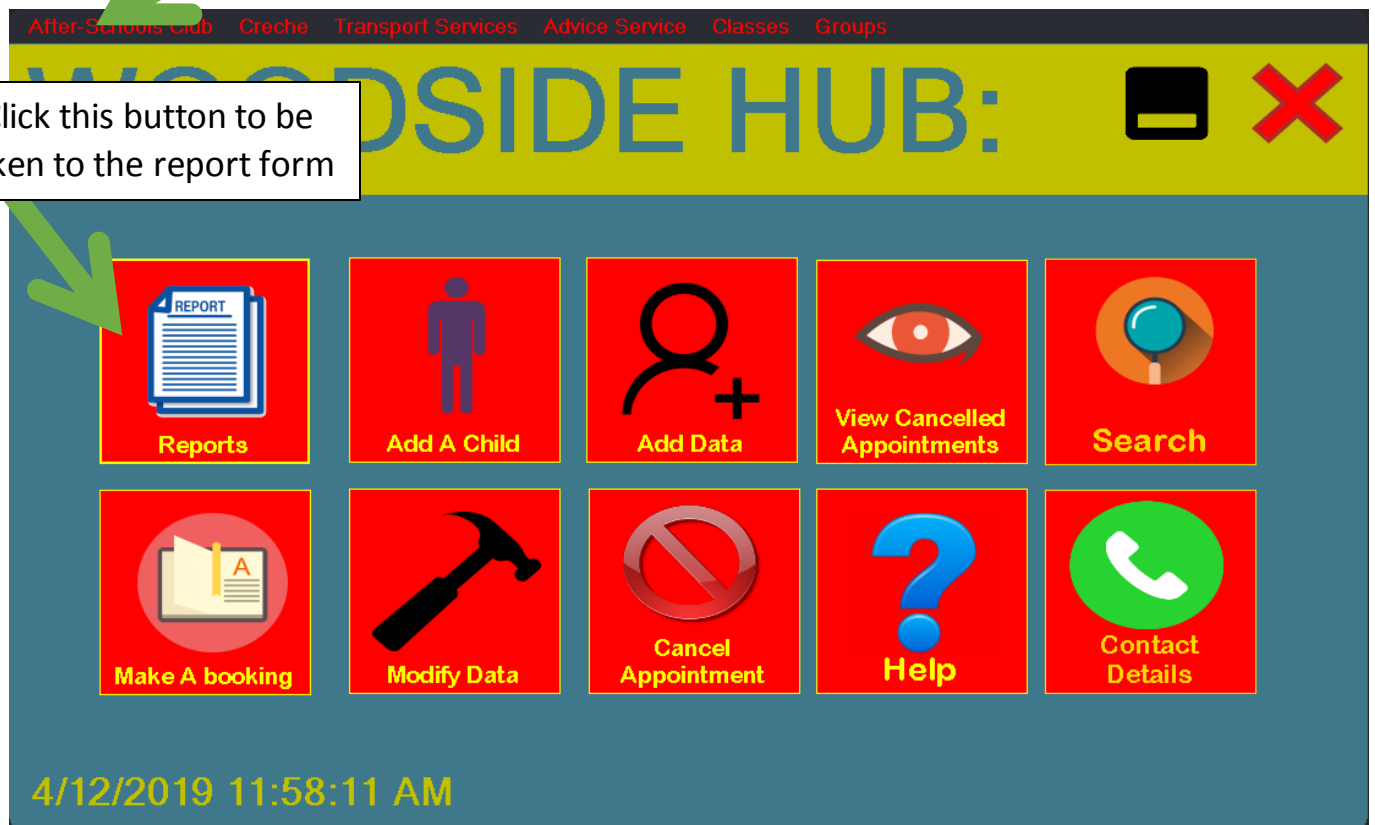
Step #2 – Change the date to whatever date you want to produce a report for

Select a date using the data-time picker

Step #3 – Click the 'Search' button once a date has been selected

Registering a new Child in the Database

To register a new child account, a parent account must be already created. You can find how to make a parent account later on in this user guide.

When you first go to register a new child, you will be prompted to select a parent that's been registered. You can search for a parent by their name or through scrolling the grid. Once you find the correct parent, you need to click their name and the user will be taken to the add a child form.

Step #1 – Find the registered parent in the blue grid

You can search for a parent's name by entering the name here and clicking the 'Search' button

Name: **Search**   **Show All**

HOME

Click The Name Of The Parent

Parent ID	Parent Name	Parent Phone	Parent Email	Parent Address	Parent Occupation
1	Desmond Madden	435454545	desmondmadden...	84 Desmond Road	Coder
2	Catherine McKee	0772084119	catherine@epos...	67 Dobbin Road	Shop Keeper
3	Tiger Woods	87	Tiger@pga.com	89 Florida Crescent	Golfer
4	Des Madden	534875497	des	53	fnognr
11	Kanye West	8924974309	kanyewest@gma...	Calabass	Artist
12	Kendrick Lamar	439743843	kdot@gmail.com	California	Artist
13	Nate Diaz	048304308	nate@ufc.com	Stockton	Fighter
14	Shea Doherty	0282828391	sheadog@gmail...	Armagh	None

Once you've found the correct parent, click their name and their ID will be pre-entered in the next form

If you click this label, it will show all the schools. The user can even fill this textbox by clicking a school in the blue grid

After-Schools Club   Creche   Sport Services   Advice Serv   Classes   Groups

Parent ID: Select A Parent

14

School ID: Select A School

3

Child Name:

Kim Kreelman

Medical Details:

None

Age:

7

Register   Back

View

School ID:	School	School Location:	School Address	School Number	School Email:
1	St.Francis	Lurgan1	32 Lurgan Street	32894438	school@stfrancis...
2	Tannaghmore	Lurgan	46 East Armagh ...	43926429	school@tannagh...
3	St.Teresa	Lurgan	21 Saint Boulevard	343	email@stteresa.c...
4	St.Patricks	Armagh	98 Dobbin Road	82739273	stpats@gmail.org

Fill all these textboxes using the child's information

Modify Entry

You Can Only Modify
One Row At A Time

When the details are filled, click the 'Register' button

18
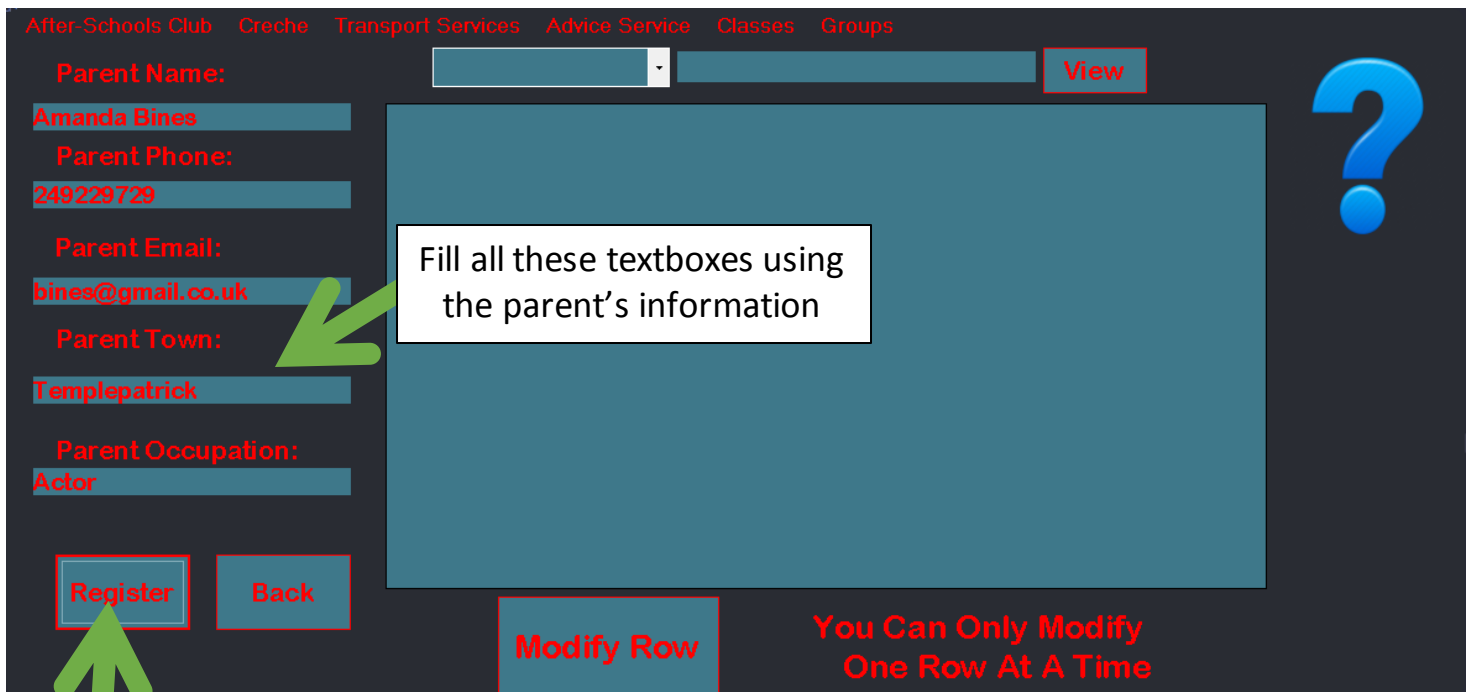
Step #3 – If the application was submitted successfully, the success form will appear on screen
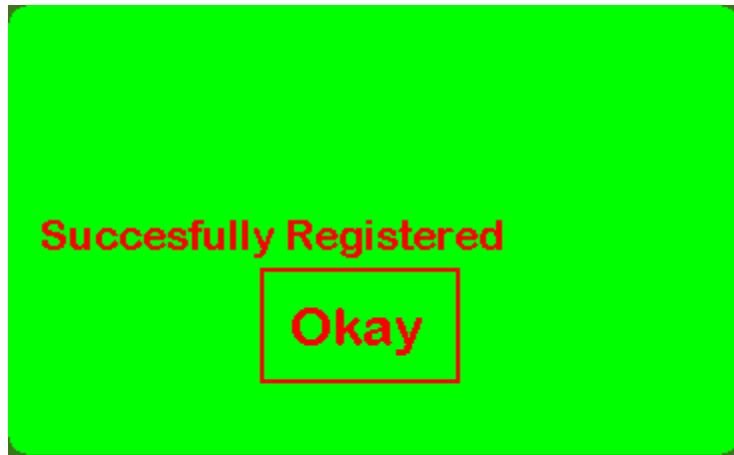
Creating a parent account

Before registering a child account, you must first register a parents account. This can be easily done through filling out the parent application form. You can gain access to the parent application when you go to add a child or when you use the menu strip at the top of the application.

Step #1 – Fill out the parent application form with the correct details

After-Schools Club   Creche   Transport Services   Advice Service   Classes   Groups

Parent Name:
Amanda Bines

Parent Phone:
249229729

Parent Email:
bines@gmail.co.uk

Parent Town:
Templepatrick

Parent Occupation:
Actor

Register   Back

View

Fill all these textboxes using the parent's information

Modify Row

You Can Only Modify One Row At A Time

When the details are filled, click the 'Register' button

Do you now want to register a child ?

YES   NO

Once the register button is clicked, the user will be asked if they want to register a child account now

How to Cancel an Appointment

Whenever the user needs to cancel a booking, it's been designed to be as easy and seamless as possible. The user must open the cancellation form; this can be done through the main application or through the menu strip at the top of the screen.

Step #1 – Click the entry that you want to cancel

	Booking ID	Child ID	Bus Booking ID	Paid	Date
	18	2	3	False	10/5/2019 12:00...
	22	1	3	False	6/2/2019 12:00...
	28	3	3	False	12/4/2019 12:00...
	29	9	3	True	6/2/2019 12:00...
	30	5	2	False	4/5/2019 12:00...
	32	2	3	False	2/4/2019 12:00...
	33	5	5	False	2/3/2019 12:00...
	37	5	5	False	8/3/2019 12:00...
▶	38	4	5	False	8/3/2019 12:00...
*					

After-Schools Club   Creche   Transport Services   Advice Service   Classes   Groups

Click this part, to highlight the entry you wish to cancel

Reason:

Back   Delete

Export To Excel

Step #2 – Enter a reason for the cancellation and click the 'Delete' button

	Booking ID	Child ID	Bus Booking ID	Paid	Date
	18	2	3	False	10/5/2019 12:00...
	22	1	3	False	6/2/2019 12:00:...
	28	3	3	False	12/4/2019 12:00...
	29	9	3	True	6/2/2019 12:00:...
	30	5	2	False	4/5/2019 12:00:...
	32	2	3	False	2/4/2019 12:00:...
	33	5	5	False	2/3/2019 12:00:...
	37	5	5	False	8/3/2019 12:00:...
▶	38	4	5	False	8/3/2019 12:00:...
*					

After-Schools Club   Creche   Transport Services   Advice Service   Classes   Groups

Enter the reason for the cancellation and once you're done; click 'Delete'

Reason

Sick

Back   Delete

Export To Excel

Step #3 – Click 'Yes' do make sure the booking is deleted

Are you sure you want to delete the booking ?

YES   NO

Click here once you're certain you want to delete the booking

22

Adding to the School table

When the user clicks the 'Add Data' button on the main menu, the user will be able to select what table they want to add data to.
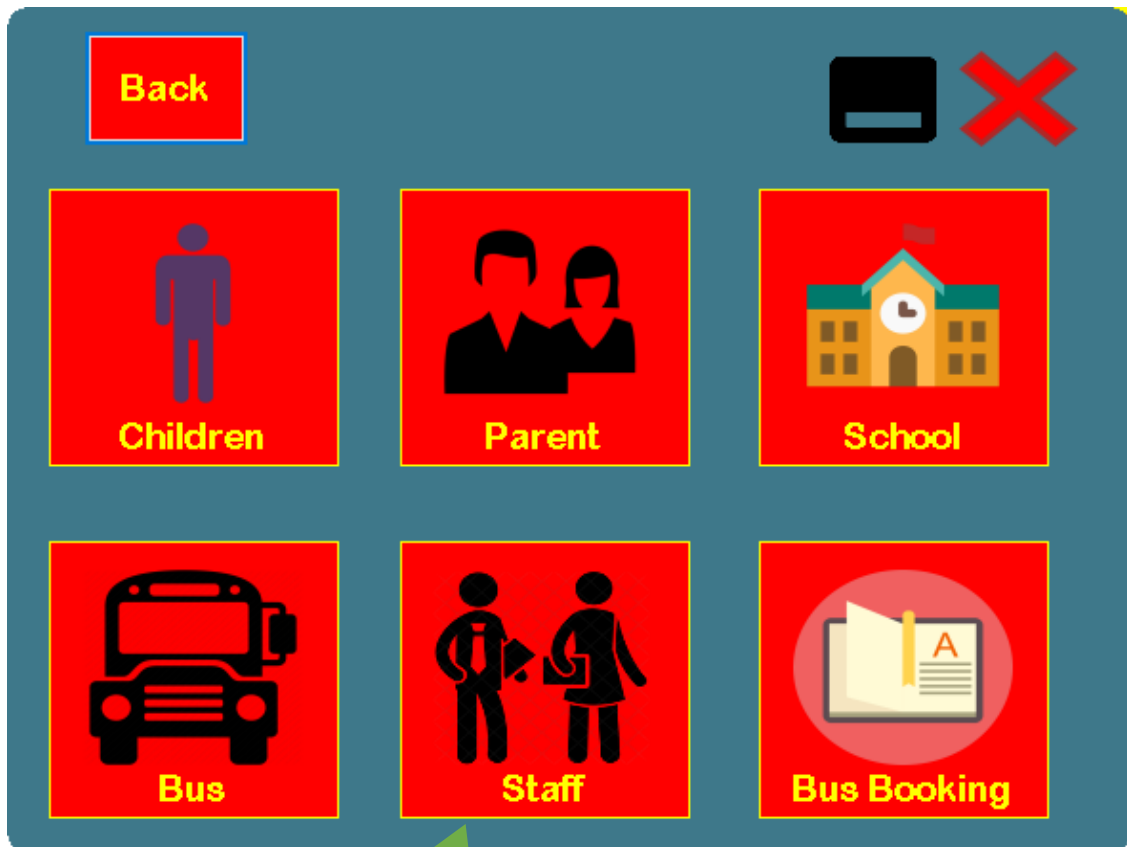
Click the 'Staff' button to get the staff application form to appear

You can gain access to this form by clicking the 'Add Data' button in the main application

The user can also gain access to the staff application form through the menu strip at the top of most forms

Step #2 – Filling out the staff application form

Fill all these textboxes using the staff's information

When the details are filled, click the 'Register' button

Step #3 – The success form will appear on screen

Alexandra Paul

Okay

When the 'Okay' button is clicked, the main application will appear

How to add a school

When the user clicks the 'Add Data' button on the main menu, the user will be able to select what table they want to add data to.
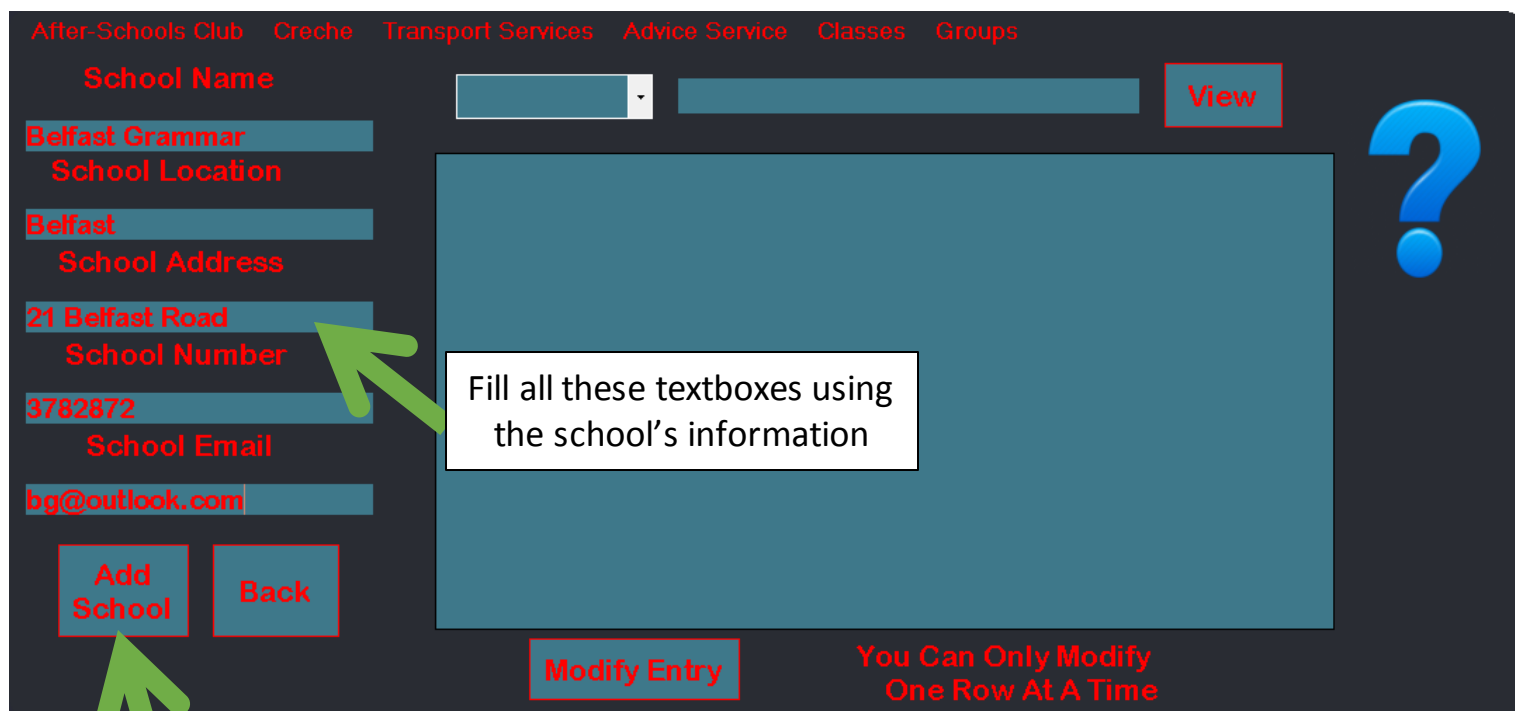
Step #1 – Adding to the schools table

Click the 'School' button to get the school application form to appear
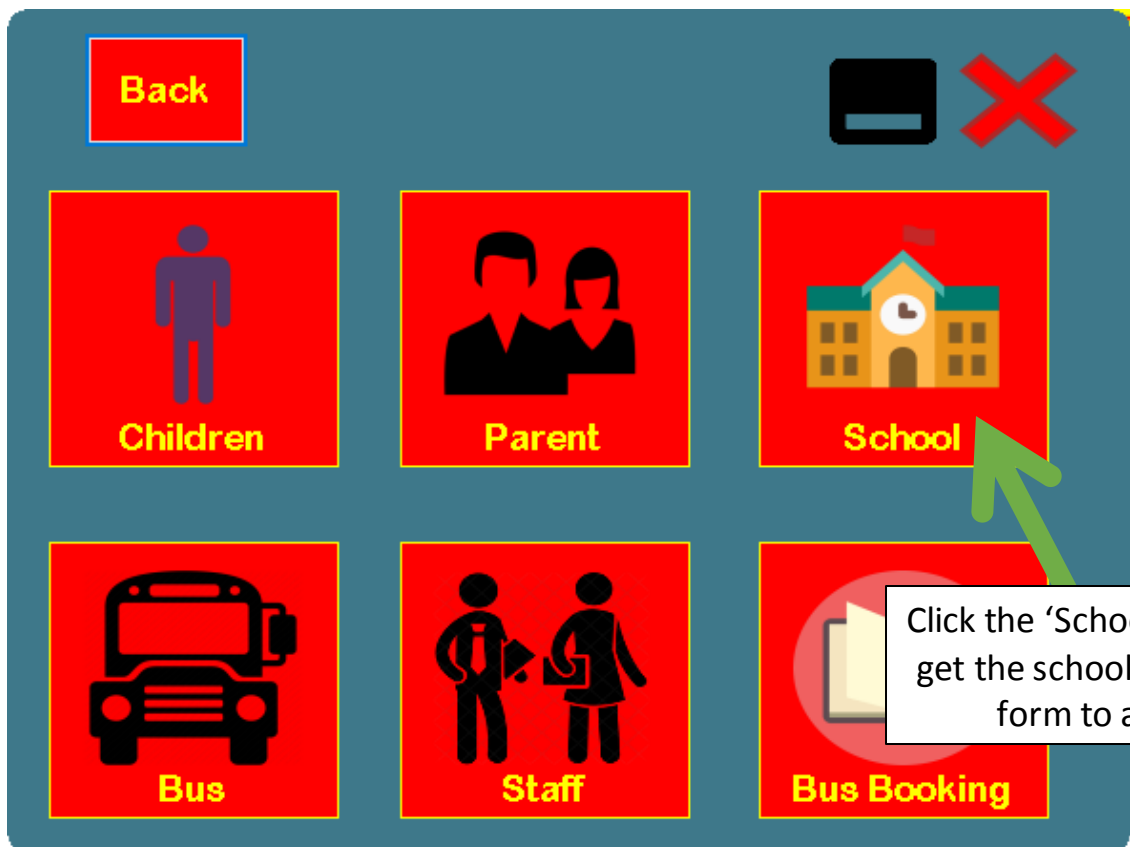
The user can also gain access to the school application form through the menu strip at the top of most forms

You can gain access to this form by clicking the 'Add Data' button in the main application

Step #2 – Filling out the school application form

After-Schools Club   Creche   Transport Services   Advice Service   Classes   Groups

School Name

Belfast Grammar

School Location

Belfast

School Address

21 Belfast Road

School Number

3782872

School Email

bg@outlook.com

View

Fill all these textboxes using the school's information

Add School

Back

Modify Entry

You Can Only Modify One Row At A Time

When the details are filled, click the 'Add School' button

Step #3 – If the application worked, the success form will appear

New School: Belfast Grammar Registered

Okay

Once a new school is registered, clicking this will take you back to the main menu

Adding a Bus Booking

When the user clicks the 'Add Data' button on the main menu, the user will be able to select what table they want to add data to.

Step #1 – Making the BusBooking form appear

Click the 'Bus Booking' button to get the Bus Booking application form to appear
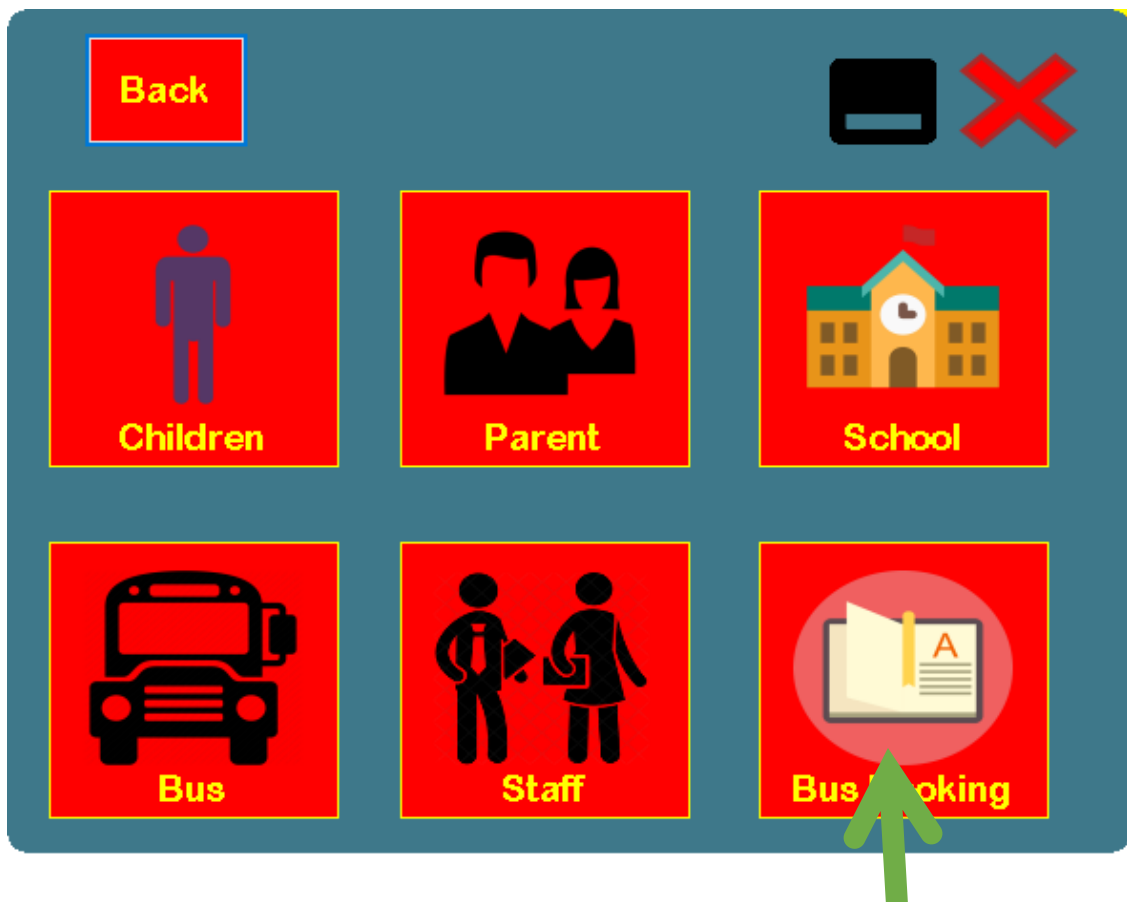
The user can also gain access to the Bus Booking form through the menu strip at the top of most forms

You can gain access to this form by clicking the 'Add Data' button in the main application

Step #2 – Filling out the Bus Booking form

If you click these labels, it will show all the Buses and Staff. The user can even fill these textboxes by clicking an entry in the blue grid

After-Schools Club   Creche   T___   Services   Advice Service   Classes   Groups

View

Bus ID   Select A Bus

2

Bus ID	B___er	Bus Route	Bus Time
1	Step___n	Armagh-Lurgan	1200
2	Phill	Lurgan-Armagh	1600
3	Anthony	Newton-Belfast	1500
4	Stephen	Lurgan-Newton	1600
5	Samantha	Lisburn-Moira	1800
6	Belfast-Newtown	Stephen	1500

Staff ID   Select Staff

3

Add   Back

Fill all these textboxes using the bus & staff information

Modify Row   You Can Only Modify One Row At A Time

When the textboxes are filled, click the 'Add' button to save these details

Step #3 – If the application worked, the success form will appear on screen

Success

Okay
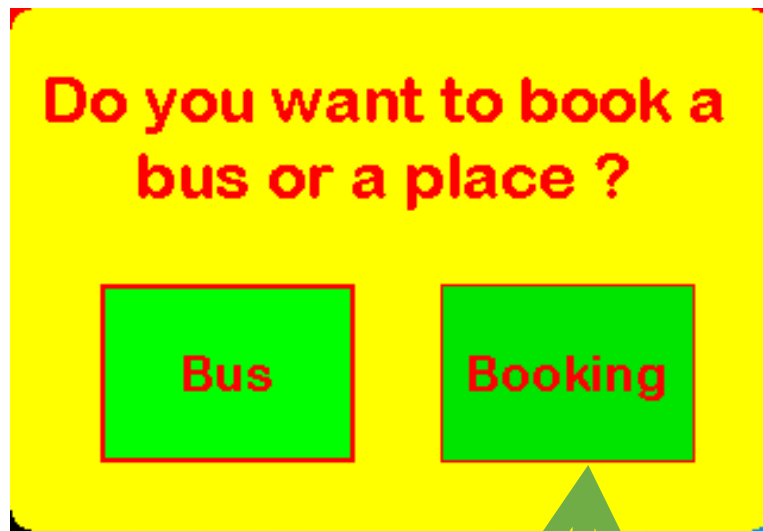
Once a new BusBooking has been registered, clicking this will take you back to the main menu

How to make a Booking

When the user clicks the 'Make A Booking' button on the main menu, the user will be taken to the booking decision form where they can select what type of Booking they want to make.

Step #1 – Open the booking form

You can gain access to this form by clicking the 'Make A Booking' button on the main application form

Click the 'Booking' button to gain access to the booking form

Step #2 – Filling out the Booking application

If you click these labels, it will show all the Children and BusBookings. The user can even fill these textboxes by clicking an entry in the blue grid

After-Schools Club   Creche   Transpor...   ...s   Advice Service   Classes   G...ups

Child ID   Show Children

10

Bus Booking ID   Show BusBooking

8

Paid

Not Paid

Date

Thursday ,   April   1 ⌄

Register   Back

View

Child ID	Parent ID	School ID	Child Name	Medical Details	Age
1	1	1	Barry Madden	None	9
2	2	1	Larry McKee	None	10
3	3	2	...es	None	11
4	4	2	...ayne Rooney	None	7
5	4	2	...oy	None	9
6	2	2	...a Lee	None	12
7	3	2	...rry	None	12
8	3	1	Laura East	None	12
9	11	3	Nick Diaz	None	14
10	11	3	Ali Abdelaziz	None	12
11	2	2	Odhran	None	9
12	13	3	Shea	None	9
13	14	3	Charlotte Lynch	None	7

Modify Row   You Can Only Modify One Row At A Time

Fill all these textboxes using the booking information from the customer

When the textboxes are filled, click the 'Register' button to save these details permanently in the Booking table of the database

Step #3 – If a new booking has been successfully registered, the success form will appear on screen

Once a new Booking has been registered, clicking this will take you back to the main menu

How to view previous cancellations

The application allows you to view all the previous bookings that have been cancelled and you can search by a specified reason.

Step #1 – Click the 'View Cancelled Appointments' button on the main application.

You can also use the menu to get to the cancellation table; click 'View Cancellations' in the drop-down menu

Click this button to be taken to the cancellation table
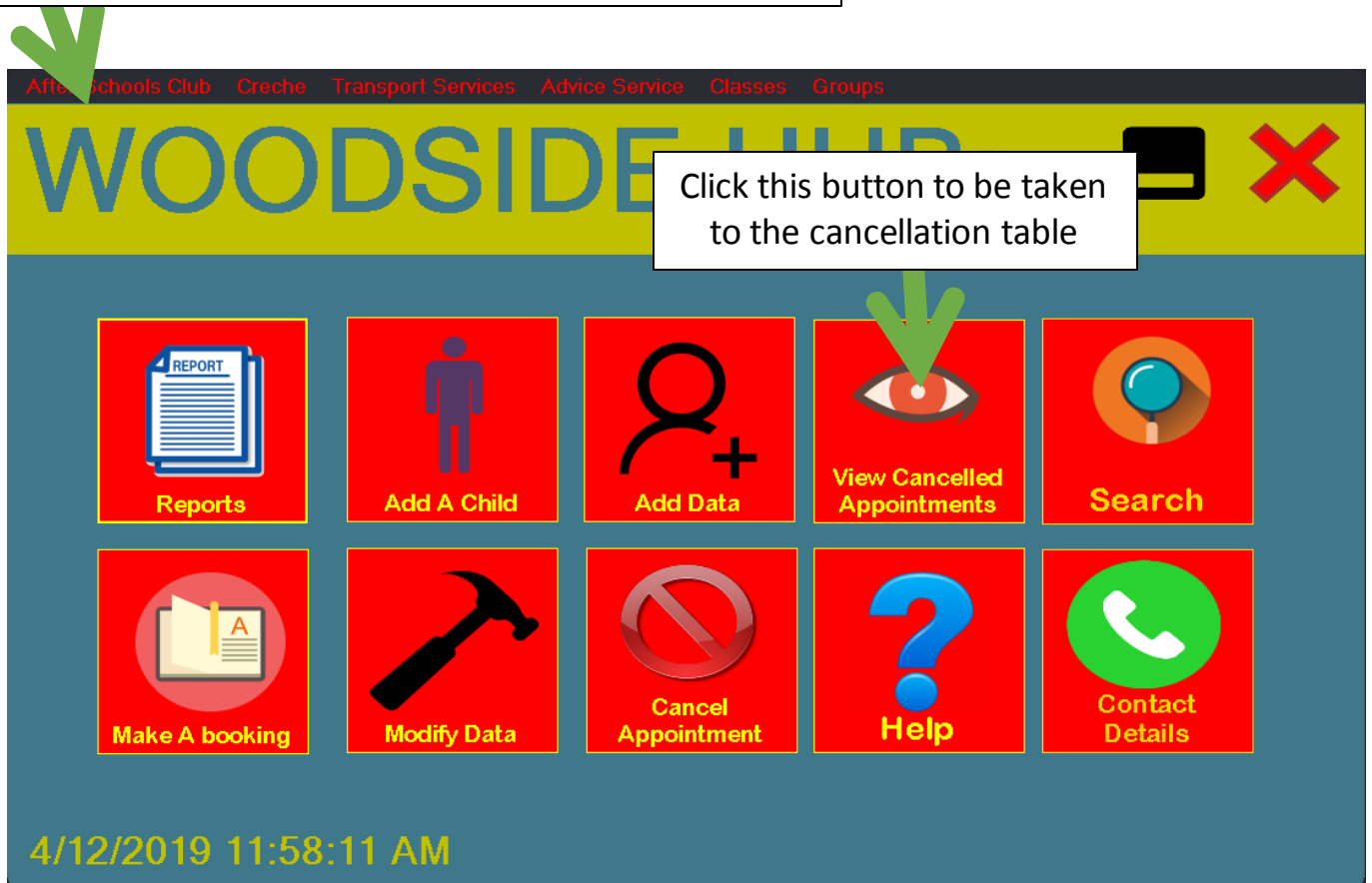
Step #2 – The form should appear on screen showing all previously cancelled appointments. You can search for specific appointments by using the textbox

If you enter a reason in this textbox and click the 'Search' button, the grid will update to show all cancellations that were cancelled for the given reason
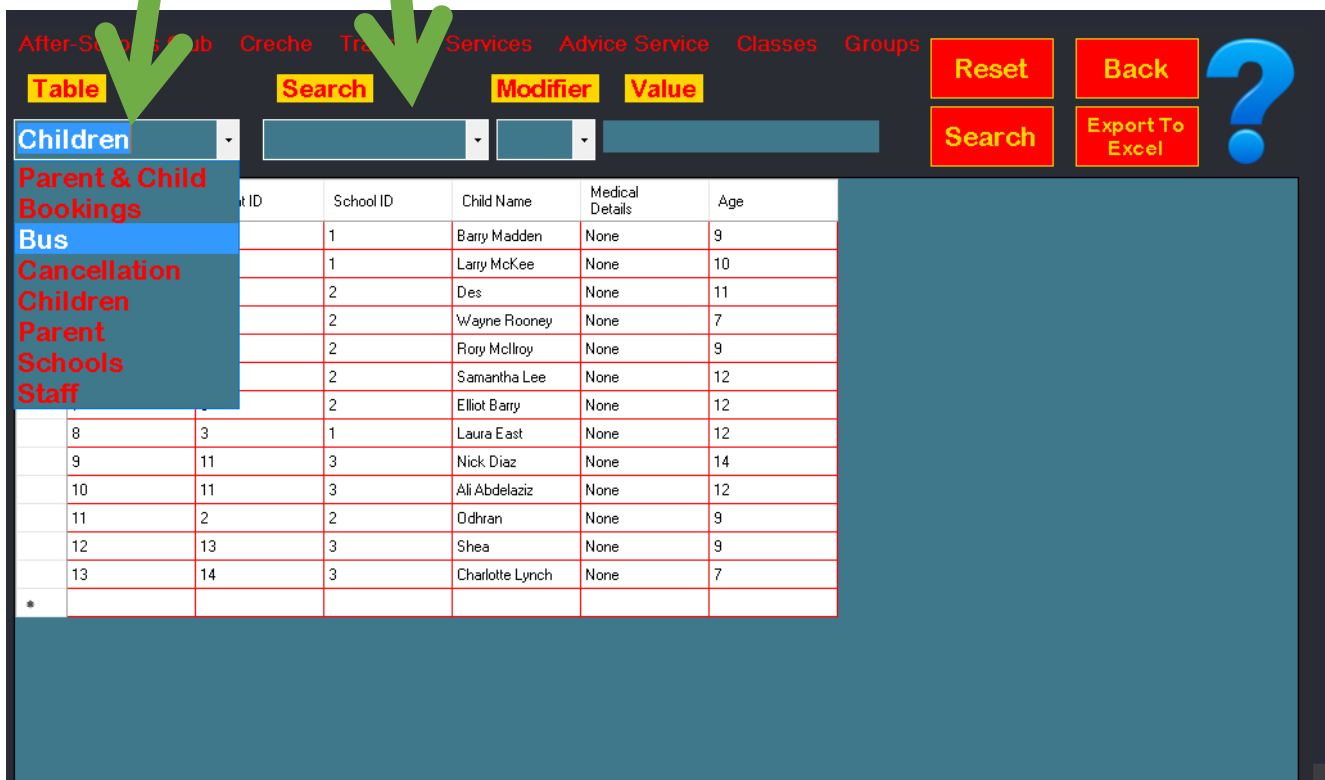
How To Use The Search Form

The search form allows you perform different types of queries on each table in the database. This is a tutorial on how to perform all the different queries that are available.

Step #1 – Select a table

You must select a table that you want to query by using this combo-box. By changing the table, it will change the queries that are available

After-School Club   Creche   Tra...   Services   Advice Service   Classes   Groups

Table		Search		Modifier	Value		Reset		Back

Children

Search   Export To Excel

Parent & Child Bookings
Bus
Cancellation
Children
Parent
Schools
Staff

	...t ID	School ID	Child Name	Medical Details	Age
		1	Barry Madden	None	9
		1	Larry McKee	None	10
		2	Des	None	11
		2	Wayne Rooney	None	7
		2	Rory McIlroy	None	9
		2	Samantha Lee	None	12
		2	Elliot Barry	None	12
	8	3	1	Laura East	None	12
	9	11	3	Nick Diaz	None	14
	10	11	3	Ali Abdelaziz	None	12
	11	2	2	Odhran	None	9
	12	13	3	Shea	None	9
	13	14	3	Charlotte Lynch	None	7
*					

Step #2 – Select a query that you want to perform

Select the specific thing that you want to run a query on from the drop-down menu

| After-Schools Club | Creche | Transport Services | Advice Service | Classes | Groups | Reset | Back |

Table **Search** **Modifier** **Value**

Children ▼ | | ▼ | | ▼ | | Search | Export To Excel

Child Name
Age
Medical Problems

	Child ID	Parent ID		Name	Medical Details	Age
▶	1	1		Madden	None	9
	2	2	1	Larry McKee	None	10
	3	3	2	Des	None	11
	4	4	2	Wayne Rooney	None	7
	5	4	2	Rory McIlroy	None	9
	6	2	2	Samantha Lee	None	12
	7	3	2	Elliot Barry	None	12
	8	3	1	Laura East	None	12
	9	11	3	Nick Diaz	None	14
	10	11	3	Ali Abdelaziz	None	12
	11	2	2	Odhran	None	9
	12	13	3	Shea	None	9
	13	14	3	Charlotte Lynch	None	7
✱						

Step #3 – Select a modifier that you want to search for, this is used if you're performing a query with numbers. This isn't needed if you're searching by text & once this is done enter a value

Select a modifier from the combo-box, this used if you're performing a numerical query

Enter a value that you want to search for

	Table	Search	Modifier	Value	Reset	Back

After-Schools Club   Creche   Transport Services   Advice Service   Classes   Groups

| Children | ▼ | Age | ▼ | | ▼ | |

Search | Export To Excel

	Child ID	Parent ID	School ID	Child	Medical Details	Age
▶	1	1	1	Barry	one	9
	2	2	1	Larry McKee	None	10
	3	3	2	Des	None	11
	4	4	2	Wayne Roone	one	7
	5	4	2	Rory McIlroy	None	9
	6	2	2	Samantha Le	None	12
	7	3	2	Elliot Barry	None	12
	8	3	1	Laura East	None	12
	9	11	3	Nick Diaz	None	14
	10	11	3	Ali Abdelazi	None	12
	11	2	2	Odhran	None	9
	12	13	3	Shea	None	9
	13	14	3	Charlotte L ch	None	7
*						

=
>
<

If you're searching for text; this can be left blank

Test #4 – When you've filled out all the values, click the 'Search' button

When the 'Search' button is clicked, the grid will refresh to show all the entries that match the searched for criteria

How to modify data in the table

The application allows you to easily modify data within the database by using the grid-view on the right side. Here is a tutorial on how to modify data. This data modification process is the exact same for each form.

Step #1 - Modify the fields within the grid

Modify the field that you want to change in the blue grid

Step #2 – Highlight the entire row by clicking the very left hand column

Click here, once you're finished changing the entry

After-Schools Club   Creche   Transport Services   Advice Service   Classes   Groups

Parent ID: Select A Parent

2

School ID: Select A School

Child Name:

Medical Details:

Age:

Register   Back

Show All   View

	Child ID	Parent ID	School ID	Child Name	Medical Details	Age
	1	1	1	Barry Madden	None	9
	2	2	1	Larry McKee	None	10
▶	3	3	2	Des Madden	None	11
	4	4	2	Wayne Rooney	None	7
	5	4	2	Rory McIlroy	None	9
	6	2	2	Samantha Lee	None	12
	7	3	2	Elliot Barry	None	12
	8	3	1	Laura East	None	12
	9	11	3	Nick Diaz	None	14
	10	11	3	Ali Abdelaziz	None	12
	11	2	2	Odhran	None	9
	12	13	3	Shea	None	9
	13	14	3	Charlotte Lynch	None	7
*						

Modify Entry

You Can Only Modify One Row At A Time

Step #3 – Click the 'Modify Row' button to make the changes permanent in the database

After-Schools Club   Creche   Transport Services   Advice Service   Classes   Groups

Parent ID: `Select A Parent`
2
School ID: `Select A School`

Child Name:

Medical Details:

Age:

| Register | Back |

Show All ▾ | View |

	Child ID	Parent ID	School ID	Child Name	Medical Details	Age
	1	1	1	Barry Madden	None	9
	2	2	1	Larry McKee	None	10
▶	3	3	2	Des Madden	None	11
	4	4	2	Wayne Rooney	None	7
	5	4	2	Rory McIlroy	None	9
	6	2	2	Samantha Lee	None	12
	7	3	2	Elliot Barry	None	12
	8	3	1	Laura East	None	12
	9	11	3	Nick Diaz	None	14
	10	11	3	Ali Abdelaziz	None	12
	11	2	2	Odhran	None	9
	12	13	3	Shea	None	9
	13	14	3	Charlotte Lynch	None	7
*						

Modify Entry

You Can Only Modify One Row At A Time

If you ever require more assistance, this picture can be clicked

Click this button when you want to permanently change the entry

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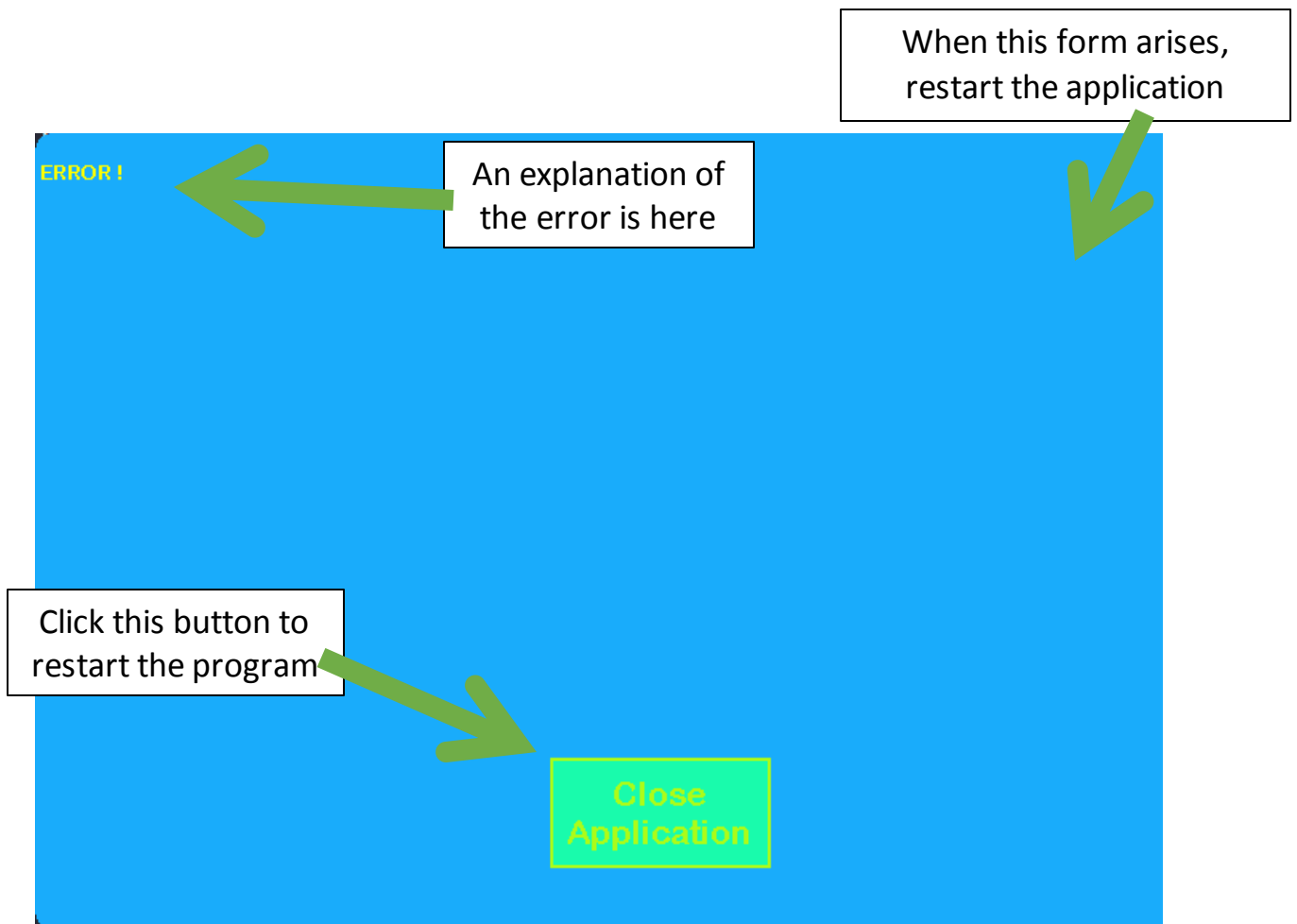Success   ✕

The row in the database has been updated.

| OK |

This form will appear if you've been successful

Troubleshooting: The error screen

Occasionally an error may arise in the program, if this happens you will most likely be taken to the error screen. When this happens you must restart the application, the error screen will have a button that does this for you.

When this form arises, restart the application

ERROR !

An explanation of the error is here

Click this button to restart the program

Close Application

If any error arises, you must contact us and we will attempt to fix the error in the application for you