

Task 3 PHP

Explain how your database was set up:

So the data base I created was set using phpMy admin I followed the Diagram which I did for task 1 but I did some changes as I added more tables

The database I created consist of 12 tables, these tables all have different fields and constraints

As I created each table,then I added the rows and fields and data types.

In the country table I have country Id as primary key and country name as varchar and a foreign key which I the townId.

In the customer table I have customerId which is auto increment,password,firstname,lastname,Dob as date, address and postcode as varchar and contact number as int and then I have a foreign key with the table street.

Genre has id auto increment and genre name varchar.

In the new account table there is the customerId as primary key and username,firstname,lastname as varchar dob date, email and password varchar.

In the product table vinyl record as auto increment primary key name,genreid as a foreign key, description varchar stockqty ,batchnumber price and vat as int,Supplier id and foreign key

And an image having varchar of 255.

In the product table the fields are productid as a primary key,userId ,statusID, and confirmed as Bool,the foreign keys are the product status and customerID.

Shopping cart table has shoppingId as a primary key,customerID is a foreign key customerID and foreign key with the vinylrecord name of the product table.

The table status has StatusId is the primary key and status which is a Boolean.

The street table,StreetId auto increment,streetname as varchar and townID as a foreign key from the Town table

Supplier table has supplier id as primary key,name address as varchar and the streetID.

Town has townId primary key and townName varchar.

WishList has an id auto increment and namevinylid product as a foreign key.

The relationship of all the table is mostly one to many.

The relationship of all the table is done by doing foreign keys in the other tables.

Explain techniques used to manipulate data in your database through your web application.

The data is manipulated by code from the visual studio such as Insert statement where the data entered by the user is Inserted into the database as a new field.

Insert Into * new account, then after a new record is filled it is shown in the table.

Explain how a virtual server was setup locally on your device to mimic a live server

For this project we used the xampp application,

First click on the xamp start apache and sql, Then in the htdocs in the xampp folder find the folder name of application and then in browser write localhost/phpmiriana the name of the folder and to see the database write localhost/phpMyAdmin.

Then connect github application to the project file.

Explain techniques used to build a dynamic web application

The programming language for task 1 used are Html and css and bootstrap.

First I took the Task 1 code which was done by html and css and then I changed all the file names from html to php.

Then I did another page with header and footer and placed the code, and then on top of each file I added the file name in the includes.

For the server side language used Php and MySQL

In the includes I included the db.-handler which connects the database

The code of php is in a php tag.

The application can be accessed through Google Chrome

Test Cases

Task id	Input	Process	Output	Pass/Fail
1	Click on product	Get product details	Show product information to the user such as price images.	Pass
2 menu	Click on home page	Get home page	Change screen and show home page to the user	Pass
3	Click on products from menu	Get product page	Change screen and show products page to the user	Pass
5	Click on about us page	Get about us page	Change screen and show about	Pass
6	Click on vinly records	Get vinyl record page	Change screen and show vinyl records page to the user	Pass
7	Sign in click on the sign in icon	Retrieve the sign in page	Change screen to sign in page show fields that the user needs to fill in order to create an account.	Fail
8	Create account click on create new account button	Retrieve create new account page	Change screen,show field to input data when button created take to profile page.	Pass