

ASTON UNIVERSITY

PROJECT REPORT

CS1IAD COURSEWORK

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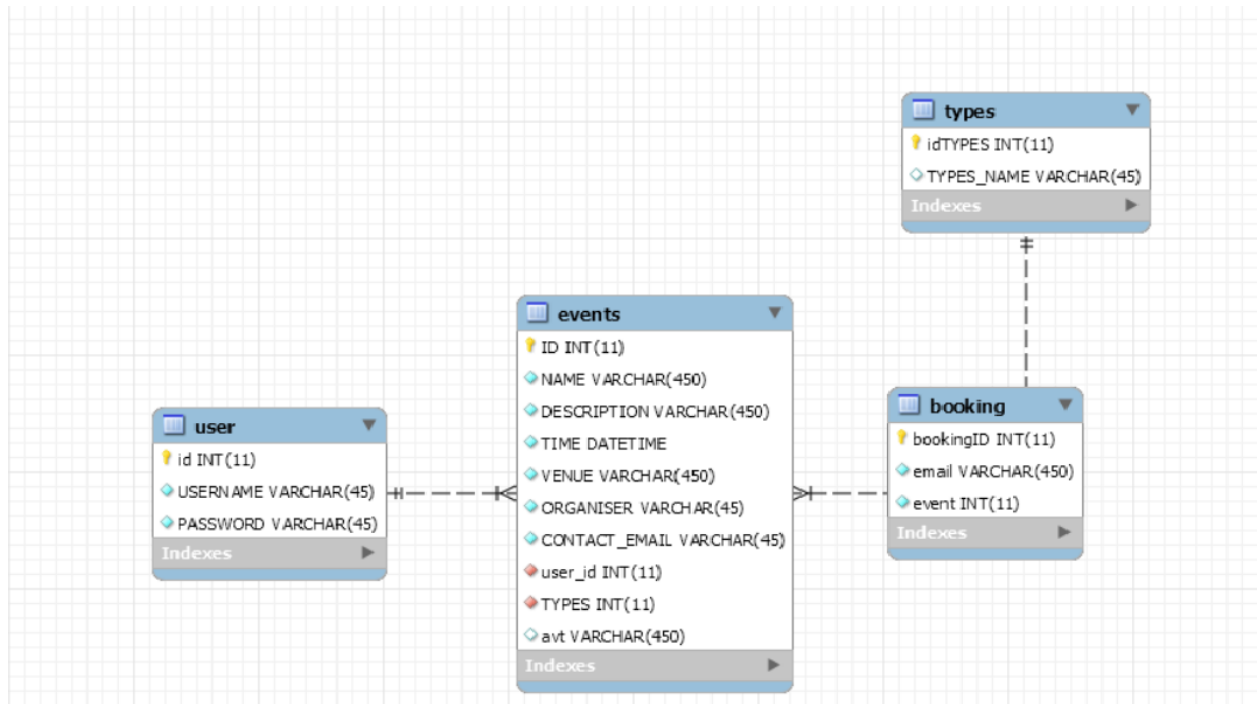
Website entry URL: <http://200216768.cs2410-web01pvm.aston.ac.uk>

I. Description of the structure

- The system is based on querying (display and insert) the information from the database using PHP and MySQL connection. The website is data driven, connect to a database which store the data of events, users and related information.
- The website interface is made of multiple PHP files in which each PHP file is used to display content (using HTML) or do a specific back-end task. The “image” folder and the “style” folder store CSS elements that is used to create layout and the design of the website.

Source code files	Feature
index.php	Landing page
search_all.php	Listing events
process_booking.php	Book an event, show interest
register_new_user.php	Register form
process_new_user.php	Insert new account into database
event_details.php	Listing the details of a specific event (name, contacts, venue, picture...)

II. Database schema



The schema has 4 tables: user, events, booking and types.

The “events” table is the main table which hold the information of the events. It links with the “user” table through the “user_id” which acts as the foreign key referencing the two tables(only user can create events).

The table “types” is used to reference the 3 types of event: sport, culture and other.

The “booking” table contains the information of the email that book an event from the form in the event’s detail page. Each booking has its own ID and the “event” field that can be used to reference to a specific event. Only Aston email can be used to book as HTML’s pattern element is used so only Aston emails are accepted by the HTML form.

The “user” table is used to login. When the user login using username and password, the system checks if the username and the password input match with any pair of username and password exist in the database. The source code for this function is stored in the file “process_login.php”.

III. IDE, tools and technologies used

- IDE: Notepad++
- MySQL for designing database
- HTML/CSS for interface
- PHP script.