

# Reinforcement of utilization for end user credentials in gymnastics

Mr. Khuva Santosh Mahendrabhai<sup>1</sup>  
Mrs.R.Ushasree<sup>2</sup>

<sup>1</sup>MCA final year <sup>2</sup> Asst. Professor,

<sup>1,2</sup>Department of MCA, The Oxford College of Engineering  
Bommanhalli, Hosur Road, Bangalore, Karnataka -560100

**Abstract:** The software to be produced is on Tamboola. Here there are four users. They are the Super Administrator, Administrator Customer and Trainer. The super administrator has the responsible authority to create new administrator and add new club under specific administrator. As well as super administrator can list club as per administrator and super administrator can update administrator details, delete super administrator and flag the super administrator. Super administrator can update club details, delete club and flag the club. Super administrator visits the new administrator and approaches for using the Tamboola, collect the related information about the administrator that would be stored in database and be followed in the future. Suitable messages and emails are sent to the client regarding Tamboola. Administrator can add the details of a customer who wish to join the club. Their personal information including weight, height and phone number are collected. The Administrator also provides timings for that person, when he/she can come to the club. As soon as that particular customer arrives, his/her day of attendance will be marked by. The administrator or he/she can mark attendance them self. The administrator can add the enquiry note down the follow-up dates of the customer enquiry. He provides unique username and password for the customer and trainer. They also have the right to modify it. Finally when that customer wishes to leave the club, his/ her present weight and height will be compared to his old height and weight.

**Keywords:** Tamboola, Fitness club, Gymnastics, master slave database, Club, dance, Aerobic, GYM

**1. Introduction:** The Tamboola Portal is completely loaded, web-based Software. It is user friendly software which is designed as a complete suite for all features of club. The Tamboola System is based on the idea of storing data of Gym members, Gym instructor, Membership fees, packages, offers, equipments etc. It is the most user-friendly software for Health or Fitness club. This system is proposed to maintain database management and transactions. This system controls most of the important daily tasks for trainers and end users. This project is designed to help a gymnastic and fitness centre to maintain its tasks of getting records and store them in form of a huge and convenient database further facilitating easy access to the personnel.

## The tools use in Tamboola

- **Ajax**

Ajax, which stands for Asynchronous JavaScript and XML, is a set of techniques for creating highly interactive web sites and web applications.[1]

- **JSON**

JSON stands for JavaScript Object Notation. It is an independent data exchange format and is the best alternative for XML.[2]

## Drawbacks in existing system

- In existing system it will load pages for each module.
- Used html and CSS for designing so it cannot be portable for other devices.

- User interface was looking odd because of html and CSS.
- Existing implementation of website was for every client need a new hosting.

**2. Proposed Advantages:** In proposed system is completely automated with database, and this reduce the manual work and we have used AJAX where it will not reload the whole page, it will reload part of it which is needed and in early systems data was sent from one module to another module through normal array and here we will send through Java Script Object Notation (JSON) so data passing will more efficient. For front end designing, bootstrap have been used and it will be more flexible and portable to other device

**3. Implementation:** Tamboola implementation involves the database called MYSQL, where a new concept is used to handle database i.e. Master/Slave concept. There are two separate databases for the project;

**Benefits for using Master/Slave concept:**

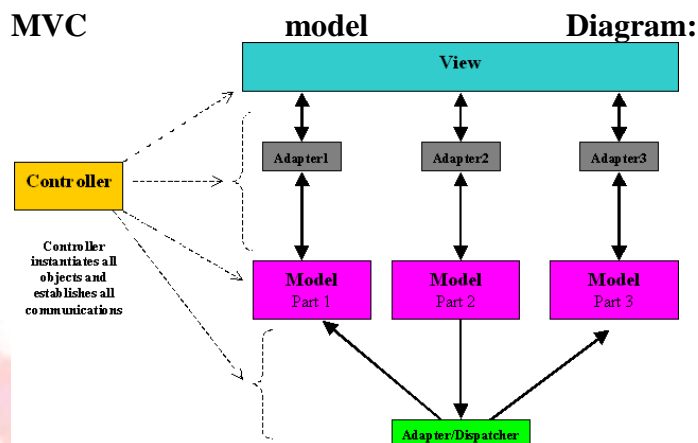
- By using this concept that a new slave database is created every time when ever the super administrator adds a new administrator.
- By which we need not re-host the same website for every new client.
- By using this Master/Slave concept we can maintain the traffic.

Tamboola is implemented using several tools such as AJAX, JQUERY, and JSON. It uses PHP language to write the business logic. Tamboola is implemented using the OOPs based concept with Model View Controller (MVC).

Model View Controller (MVC) is a name or a methodology or a design pattern used for successfully developing interface. MVC is useful pattern used for reuse of code which allows them to significantly save the time it takes to develop applications.

MVC pattern consist of three main components:

- Model, which contains the logical structure of data in s/w application and classes associated with it
- View, which contains the HTML code that represents the user interface.
- Controller, which contains the classes connecting the model and view, used to communicate between the classes of model and view.



**Login Page:**



**Dashboard:**



**Modules**

This project deals with several modules:

- **Enquiry**  
In enquiry module customers come to the gym and enquirer about facility of the gym, and enquiry are added to the database and follow-ups dates are recorded so that admin in future contact the enquired customer to join the gym. Module can also handle

the pending follow-ups dates and expired dates and list all enquiries.

- **Accounts**

Accounts module handle the customer fees, staff payments, gym expenses and due payments.

- **Reports**

Report module generates a report according to the date specified from and to for the gym expenses, balance sheets, registrations, customers, trainers and receipts.

- **CRM**

CRM module handles the customers' relationships such as sending message though mobile apps, emails and SMS. It can also handle the feedback.

4. **Conclusion: Tamboola** allows the trainer details, the details of customer who is in the club, club account details etc. This software package allows storing and searching all the detailed data related to gymnastics. The system is strong enough to hold of regressive yearly tasks under situations where the database is cleared and maintained over a certain period of time. The application of the system in an organization will remarkably reduce entry of data, time and also immediately provide computed reports.

## 5. Reference

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