

ABSTRACT

This project is designed to facilitate a gym center to automate its operations of keeping records and store them in form of a large and user friendly database further facilitating easy access to the personnel. It contains user module and gym trainer and administrator module. Admin is in charge of the site. Users can choose their trainers and can clear their doubts using the chat system. Users can also purchase gym related products in the site. The purchase data and payment data is send to the administrator of the site. So this site helps the user to clarify doubts with the gym trainer and also can purchase gym related products like health powder, shirts, etc... all the records are automatically generated as report. The Project was made in order to effectively and efficiently caters to requirements of the gym. Very frequently the person who generally holds the tasks to manage the center needs to keep records of all the transactions as well as data manually. Generally, In order to structure these tasks Separate Registers are maintained. This whole process thus becomes quite cumbersome for them to control manually. So this system is developed as a web application and both user and trainers can easily communicate and admin can sell gym related products using this site.

OOAD stands for Object-Oriented Analysis and Design, and it is a process used in the development of software applications, including web applications. OOAD involves identifying the objects, their attributes, and their relationships with one another in order to develop a software system that is efficient, flexible, and easy to maintain.

In a web application project, OOAD is used to define the system's architecture, including the user interface, data access layer, and business logic. This process involves identifying the key objects in the system, their attributes, and the relationships between them. It also involves designing the application's classes, methods, and functions, as well as the database schema and data access layer.