This project aim to develop an online application for a gaming centre to facilitate its day to day work. Currently none of the gaming centre have a management website, all they have a usual website with facilities and contact details. Here we propose a project with three kind of users can have access to it. The main user is administrator, who can be the owner of this centre. He have the feature like managing (add/edit/delete) the facilities available, games that currently playing, available playstation to book and he can view the registered customers and upcoming booking, also he can track all the payments made and have a list of pending payments. The admin can register an employee under him to manage the day to day activities of the gaming centre. Employee can view the reservations and enquiry made by customers that he can send reply. The main functionality is to register offline customers and manage their timing and booking, also collect the money from them. Admin also have these functionalities incase of the absence of the employee he need to manage these. Another module is customer they can register online and vie the facilities, games available, and the Playstations available. Then he can proceed a prior booking and reserve a playstation for a time and date. He can also make payment online and can view the overall booking he made as well as if there any pending payment of him. Overall this project will bring the gaming centre into a new level.

**Existing System**

Currently the System works completely manual. A record book is entering the details of the visitors and based on their in and out time the payment is calculated and collected by a front office staff. There is no automated Bill and monthly reports. Also if anyone need a prior booking they have to make phone call and make the booking. This some times makes problem by conflicting the time, because it is not systematic process now.

Disadvantages

* + Time consuming
  + Booking time conflicting
  + Payment is offline
  + No reporting about benefits

**Proposed System**

Here we proposing an application that is fully web based with 3 user module. An admin who is the owner of the gaming centre can manage all the activities including, booking, payment, customers list etc from a single account. If he is not available in his sea he can assign an employee account to do this. This account don’t have authority to view sensitive datas like the monthly booking and payments etc. a customer can register and make booking and even manage a wallet to prior book and make payment. By implementing this system the game center will be a smart one in its category and also the owner and customer can save lot of time and manage things smoothly and properly.

Advantages

* + Time saving
  + Prior booking facility
  + Online payment
  + Payment reports.

**Feasibility Study**

A feasibility study is an analysis that takes all of a project's relevant factors into account—including economic, technical, legal, and scheduling considerations—to ascertain the likelihood of completing the project successfully. Project managers use feasibility studies to discern the pros and cons of undertaking a project before they invest a lot of time and money into it.

The feasibility study is done in these phases

Operational feasibility

Technical feasibility

Economic feasibility.

**TECHNICAL FEASIBILITY**

Technical feasibility centers around the existing computer system and to what extent it can support the proposed addition.

The application is technically feasible by selecting PHP and MYSQL as the technologies to develop this. These technologies are available and easy to learn.

Our project is technically feasible since it uses PHP and MYSQL as the technologies to develop it which are simple and easy to learn.

**ECONOMIC FEASIBILITY**

The procedure is to determine the benefits and savings that are expected from a candidate system and compare them with costs

Our application is economically feasible since the benefits which our application offers are worth the cost of it. By comparing the cost and benefit we gets a affordable relation.

**OPERATIONAL FEASIBILITY**

The purpose of the operational feasibility study is to determine whether the new system will be used if it is developed and implemented.

We have developed an easy use application, customer don’t need any prior guidance for operating this. This makes our system operationally feasible. Users are aware of the ways of operating the application.Thus our project is operationally feasible.

**SYSTEM REQUIREMENTS**

**SOFTWARE REQUIREMENTS**

A software requirement specification (SRS), a requirements specification for a software system, is a complete description of the behaviour of a system to be developed and may include a set of use cases that describe interactions the users will have with the software. In addition it also contains non-functional requirements. Non-functional requirements impose constraints on the design or implementation (such as performance engineering requirements, quality standards, or design constraints) The software requirements specification document enlists all necessary requirements that are required for the project development. To derive the requirements we need to have clear and thorough understanding of the products to be developed. This is prepared after detailed communications with the project team and customer.

Operating System : WINDOWS 7/8 for better performance

Front end : PHP (For web application)

Back end : MYSQL

Software : SubLime Text , WAMP

Web Browser : Internet Explorer/Google Chrome/Firefox

Web Server : Apache

**HARDWARE REQUIREMENTS**

The most common set of requirements defined by any operating system or software application is the physical computer resources, also known as hardware. A hardware requirements list is often accompanied by a hardware compatibility list (HCL), especially in case of operating systems. An HCL lists tested, compatible, and sometimes incompatible hardware devices for a particular operating system or application.

Processor : Intel Pentium or above.

Hard Disc : 320GB.

Display Type : PC Display.

Keyboard : PC/AT Enhanced PS/2Keyboard (110/10Key).

Mouse : First/Pilot Mouse Serial (c48).

Input Device : Mouse, keyboard

Output Device : Monitor

**Modules**

* **Admin**
  + Login
  + Manage employees
  + Manage games
  + Manage facilities
  + Manage play stations
  + View customers
  + View reservation
  + Manage offline registration
    - Manage payments
  + View payments
    - View pending payments
* **Employee**
  + Login
  + View customers
    - View pending payments
  + View daily reservation
  + Manage offline registration
    - Manage payments
    - Manage timing
  + View enquiry
    - Send reply
* **Customer**
  + Register
  + Login
  + View games
  + View facilities
  + View play station
  + Reserve a play station
    - Make payment
  + View my playings
  + View my payments
    - View pending payments
  + Send enquiry
    - View reply