CHECK AND FILL

MINOR PROJECT SYNOPSIS

BACHELOR OF TECHNOLOGY

Information Technology

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Contents

1 Introduction

The Check and Fill project is to prepare a website that tells the current status of a particular room. It tells whether a class is going on or empty or there is no class in that particular room. Web programming, also known as web development, is the creation of dynamic web applications. Examples of web applications are social networking sites like Facebook or e-commerce sites like Amazon.Web programming, also known as web development, is the creation of dynamic web applications. Examples of web applications are social networking sites like Facebook or e-commerce sites like Amazon.

Front-end development refers to constructing what a user sees when they load a web application – the content, design and how you interact with it. This is done with three codes – HTML, CSS and JavaScript. HTML, short for Hyper Text Markup Language, is a special code for 'marking up' text in order to turn it into a web page. Every web page on the net is written in HTML, and it will form the backbone of any web application. CSS, short for Cascading Style Sheets, is a code for setting style rules for the appearance of web pages. CSS handles the cosmetic side of the web. Finally, JavaScript is a scripting language that's widely used to add functionality and interactivity to web pages.

Back-end development controls what goes on behind the scenes of a web application. A back-end often uses a database to generate the front-end. It uses the technologies like php, python, java, MySQL and many more.

With the help of this website a teacher or a student can know the status of the room and work accordingly.

2 Objectives

The aim of our project is to help teachers and students to check if in the room a class is going on or the room is empty or there is no class in that particular room.

1. To help the HOD's and teachers to check whether the venue is empty or not (in one click)
2. To help students to check their time tables with ease
3. Provides user friendly application

3 Feasibility Study

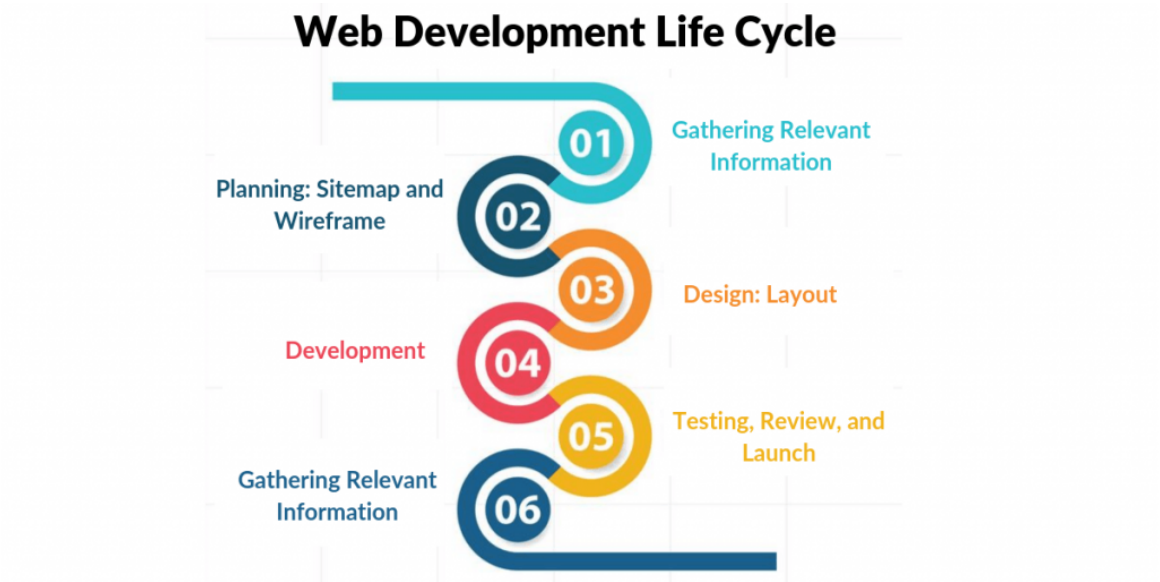
A feasibility study is a preliminary study which investigates the information needs of perspective users and determines the resource requirements, determining the cost effectiveness of various alternatives in the designs of the information system, benefits and feasibility of proposed project. The goal of the feasibility study is to evaluate alternative systems to propose the most feasible and desirable systems for development. The feasibility of our proposed system can be evaluated as: -

• TECHNICAL FEASIBILITY : Technical feasibility can be demonstrated if reliable hardware and software capable of meeting needs of proposed system can be developed or acquired by the business in required time. Our project is technically feasible because the required software needed for our project is available.

• ECONOMIC FEASIBILITY: This assessment typically involves a cost analysis of the project.This project developed is full software based, so there is no much cost required.

• OPERATIONAL FEASIBILITY : Operational feasibility is a measure of how well a proposed system solves the problems, and takes advantage of the opportunities identified during scope definition and how it satisfies the requirements identified in the requirements analysis phase of system development. As the proposed system was very light weighted and small sized, this system is expected to operate on almost every device. The requirements of the website are also very small therefore it is easy to operate in every environment. As all components needed to develop the proposed system are also available, the system will definitely work. Hence the project is operationally feasible.

4 Methodology/ *Planning* of work



Step 1 : GATHERING RELEVANT INFORMATION

The first step is the most important as it involves understanding the client's requirements. Identify their needs and help them in providing the perfect solution. Our project is to help teachers and students to check if in the room a class is going on or the room is empty or there is no class in that particular room. We will take the relevant information from the CR of a particular class of IT and update the status of the room accordingly.

Step 2 : PLANNING

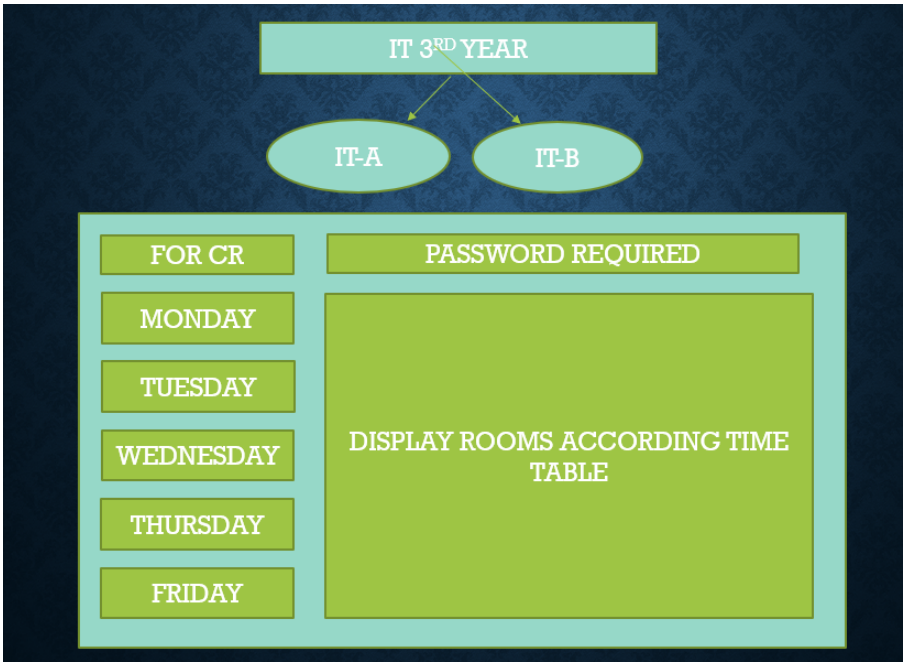
With all the information that has been gathered from stage one, the design and implementation strategies are planned according to the type of website and target audience. A site map is created in this phase.

Step 3 : DESIGN LAYOUT

Next is to determine the look and feel of the website. In the design phase, it is essential to embed elements like the logo of the company and the colors that help to enhance to identify the company on the website. Basically in this step we create the front end part of our website with the help of languages like HTML, CSS , Bootstrap and Javascript.

Step 4 : DEVELOPMENT

The development is a stage where the website is built while maintaining the essence of the website's purpose. All the graphic elements are taken into consideration and are used to generate a functional website. The process begins with first developing the home page followed by the interior pages. The main focus is given to the navigational structure of the site.



Step 5: TESTING, REVIEW, AND LAUNCH

After the completion of web development, it is tested. The functionality is tested along with the device compatibility.

Step 6 : MAINTENANCE AND UPDATION

5 Facilities required for proposed work

1. Hardware Requirements : Laptop - i3 processor or higher, 4 GB RAM or higher, 100 GB ROM or higher
2. Software Requirements : Laptop or PC, Windows 7 or higher, Visual Studio, HTML, CSS, Javascript, Mysql, Php

6 References

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[**3**] Refnes Data (1998)[Online]. Available: http://www.w3schools.com

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