

MINI PROJECT
(2020-2021)

Alphazone: The Educational Web Application

MID-TERM REPORT



Institute of Engineering & Technology

Submitted by:

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Declaration

I hereby declare that the work which is being presented in the MINI PROJECT **“Alphazone:The Educational Web Application”**, in fulfillment of the requirements for Project viva voce, is an authentic record of my own work carried under the supervision of MR. Neeraj Khanna ,Assistant professor.

Signature of Candidate:

Name of Candidate: Aman Kushwaha

Roll. No. :181500075

Course:B.Tech CSE

Year:2020

Semester:5th

Certificate of Course:



Company Name: Internshala

Title of Course : Web Application Development Using
Scripting technology(HTML5,CSS3,BOOTSTRAP
4,J-Query,SQL,PHP)

ACKNOWLEDGEMENT

First I express our heartiest thanks and gratefulness to almighty God for His divine blessing makes me possible to complete the third year project/training successfully.

We really grateful and wish our profound our indebtedness to ***Mr. Neeraj Khanna Assistant Professor, Department of CSE GLA University Mathura.*** His infinite patience, scholarly guidance, continual encouragement, constant and energetic supervision, constructive criticism, valuable advice, reading many inferior draft and correcting them at all stage have made it possible to complete this project documentation. Without this valuable support and guidance, this project could not elevate up to this level of development from my point of view.

I would like to express our heartiest gratitude, for his kind help to finish our project and also to other faculty member and the staff of CSE department of GLA University Mathura.

I would like to thank our entire course mate in GLA University, who took part in this discuss while completing the course work. Finally, I must acknowledge with due respect the constant support and patients of my parents

ABSTRACT

Alphazone : The Educational Web Application was the main objective of this Mini Project. In This Project i have created a web Application for B.Tech CSE college going students. Here In this website Students can download handwritten notes of all subjects related to B.Tech CSE and more over if any one have doubt related to these subject topic so they can watch different types of video related to each topic for better understanding. Generally Students faces the biggest problem in our country they can not afford the college due to heavy amount of fees but here i have provided them all CSE books,Videos ,Assignment as well as Hand written notes of Each Subject. technical aim of this project is to develop a web based application or software there are several programming languages that are in use. Some of them are only used for the frontend and backend design of the software. For example HTML4, HTML5, CSS, Bootstrap Framework etc. There are also some other programming languages that are used to develop the dynamic functions of the software or application. For example-PHP, Java etc. Nowadays there are also some framework's that use vastly. Frameworks are basically structured programming by using Model, View, and Controller. It is also called as MVC. If we develop web based application that is very useful for us because we can access it from anywhere of the world. It is very helpful for our daily life.

This report takes us through all the details of WEBSITE DESIGN AND DEVELOPMENT knowledge and experience gathered during this development period.

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1.General Introduction

This website has been developed for B.Tech Computer Science students in order to provide best educational hand written notes ,standard notes and video lecture series. Compared to the other old existing site a new database has been added to our project.

1.1 Motivation:

In desktop based website creating system is easy to understand. Since I accept training it seems to me I am advanced learner to learn web development, so it is easy and interested to learn and create. Further this project is related of student and I am introducing to its circumstances so it service technology is under of the understand mine. Its technology is so interested and charming and easy to build a project by fully PHP, HTML, CSS, MYSQL,Bootstrap.

1.2 OBJECTIVE:

The objective of this web application is to to provide standard Books ,Handwritten Notes and Video Lecture Series of B.Tech CSE Subjects and Also student can share their assignment through this website. The system contains database where all the information will be stored safely.

1.2.1 To save the time and resources:

If some time a student missed the class than there is a chance that he will skip that topic of that class and if somehow if he want to cover that topic from books it will take huge amount of time so here presence of handwritten notes student will save his huge amount of time. The website system will take less time in entering the data, processing it and getting its output. Fewer resources will be used as no large registers,

files, ledgers, pens; correctors will be needed or used.

1.2.2 To reduce the number of workers:

After the system will be computerized only a single computer operator will be needed to operate the system while now more than one workers work in the system.

1.2.3 To reduce the space being used:

Every data will be stored in the computer memory whereas now it is stored in registers and files which then stored in bookshelves or cupboards and they need a large space.

1.2.4 To reduce the work load:

As the new system will be computerized, the database will be automatically updated at the time of entry. Everything will be done automatically just by clicking few buttons. There will be no need to maintain any files or registers.

1.2.5 To make it easy to search any record:

It will be much easier to find particular record rather than opening such huge files and finding a single record from them.

1.2.6 To edit records and update the database easily:

Records will be easily edited and the database will easily be updated at the time of entering a record.

2. Software Requirement Analysis

2.1 Define the Problem:

The existing educational websites does not provides the all content related to subjects if they are providing than there is a chance that they all are not providing handwritten notes and video lectures at the same instance so here i am going to remove this disadvantage by providing all these facility.

2.2 Define the Modules and functionalities:

Front end Developer:

The front end developer generally works at client side dealing with the web page design, graphics that is accessible to the user.

Back end Developer:

The back end developer is a person who is responsible for the back end development that interacts with the server. This type of web developer specializes in the languages like PHP

3. Implementation Detail

a). Home Page: The first page provides several links. Users from different department can choose there department from the specific link available on home Page.

b). Standard Book Section: In this module User will find the all the Standard Books which are provided by the Website. This Module will be divided into three sub modules Soft Copy Section, Watch System and download section.

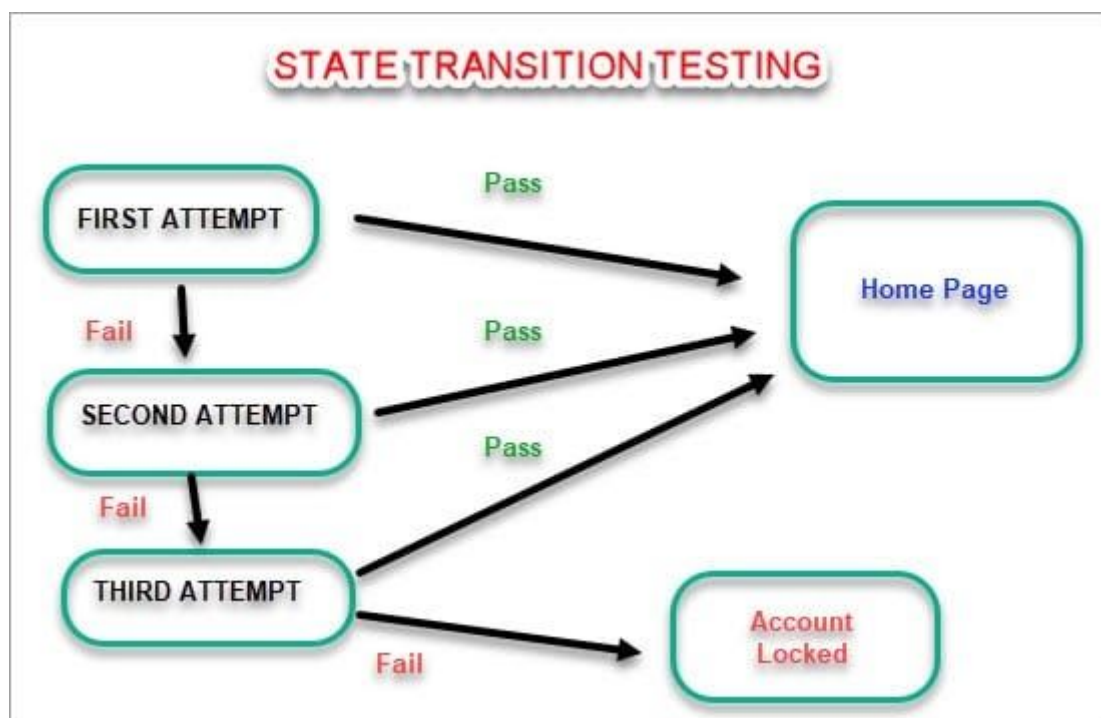
c).Handwritten Notes Section: In this module user will find every Handwritten Note related to there specific department and subject. This module will have all the handwritten notes of CS Department, ME department, Electrical Department, Electronics Department and civil department etc.

d). Assignment Sharing: In this section students can share their assignments to this website so that assignment will available for all other users.

e).Study Room:Here User will find their course notes according to their syllabus.Every Notes of every program will available in this page with module wise category. User can download these notes or they can study from these notes.

f). Placement Preparation:this module will available only for computer science and IT Sector Students.

4.Testing:



Tests for correctness are supposed to verify that a program does exactly what it was designed to do. This is much more difficult than it may at first appear, especially for large programs

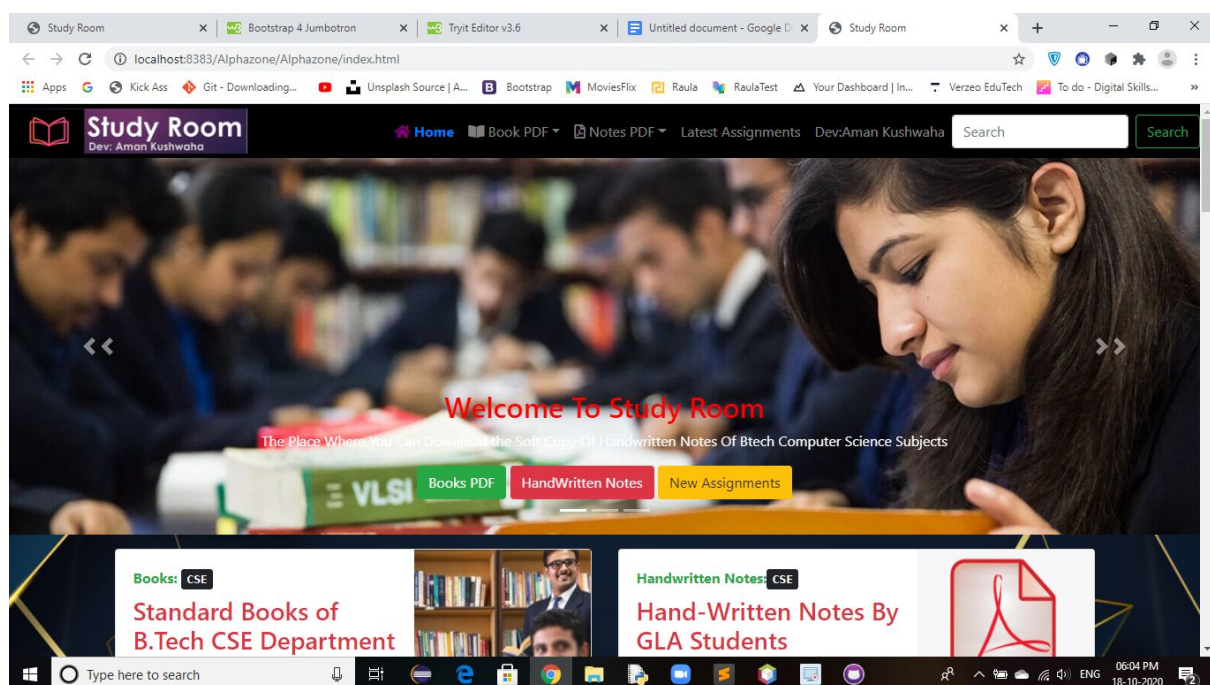
Tests for implementation efficiency attempt to find ways to make a correct program faster or use less storage. It is a code-refining process, which reexamines the implementation phase of algorithm development.

Tests for computational complexity amount to an experimental analysis of the complexity of an algorithm or an experimental comparison of two or more algorithms, which solve the same problem.

5.Implementation and User Interface:

a). Home Page:

The home page of a website is the first page that a user perceives upon entering the website url at the browser address area. The entire website depends on how the home page is designed which forms the platform for viewing other web forms.



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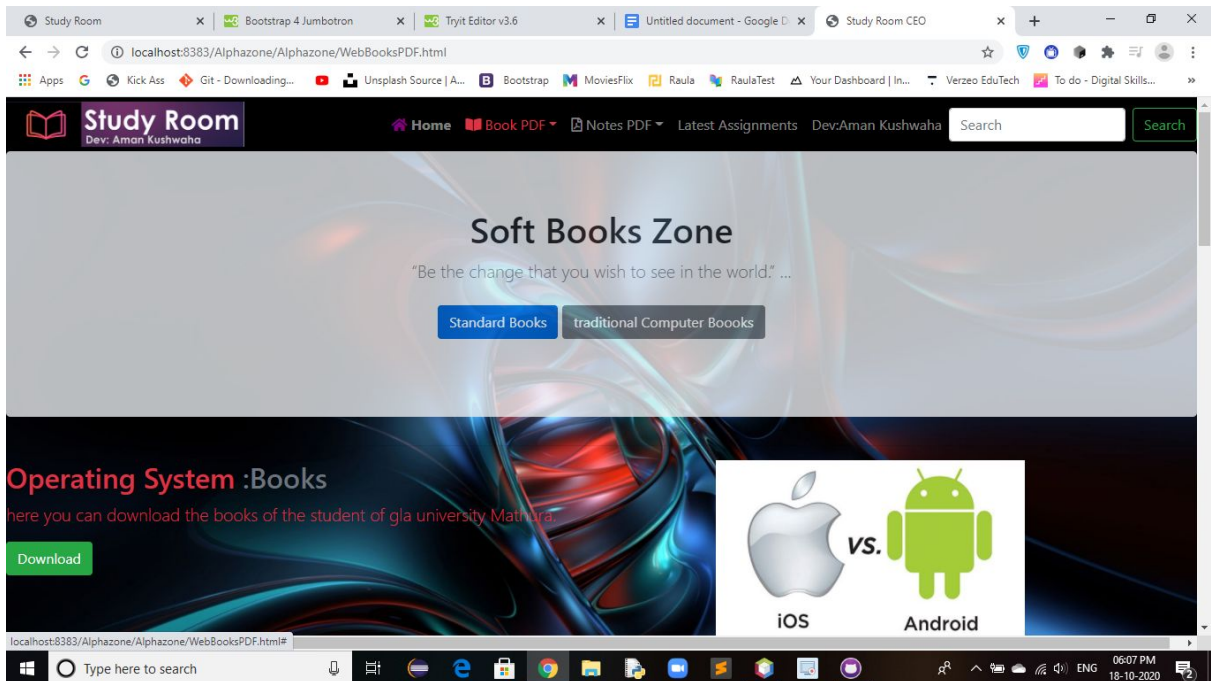
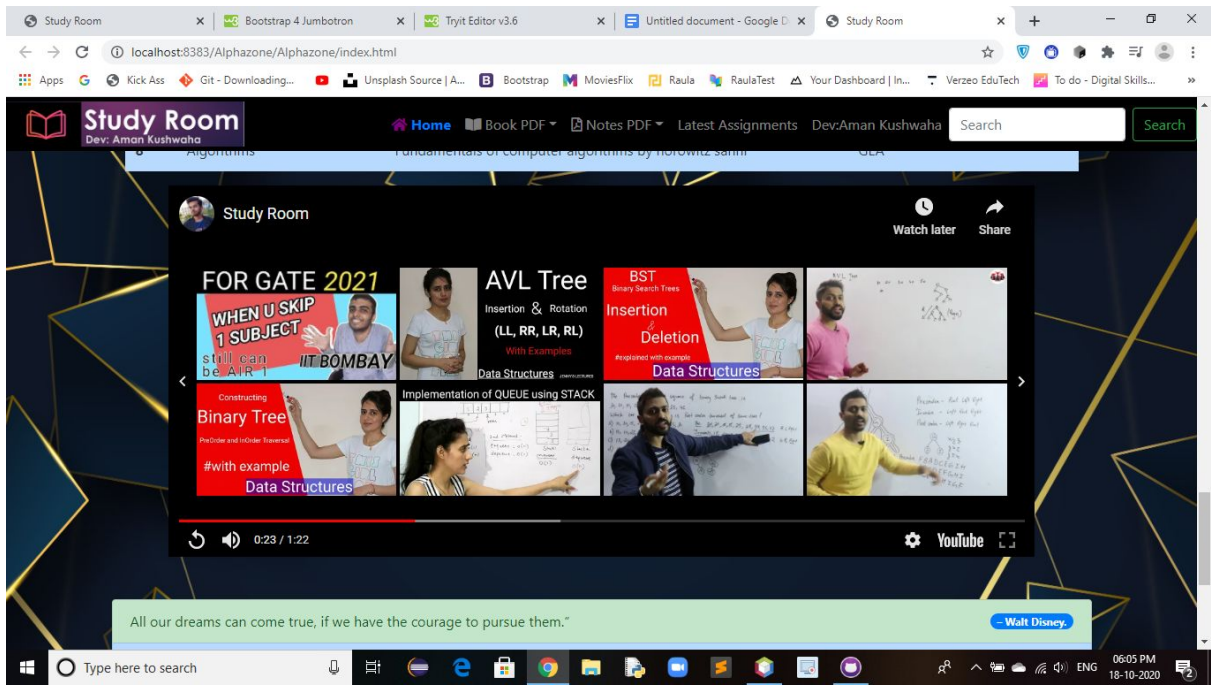
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Software Engineering Module 1

Notes By:Tanishka(GLA)



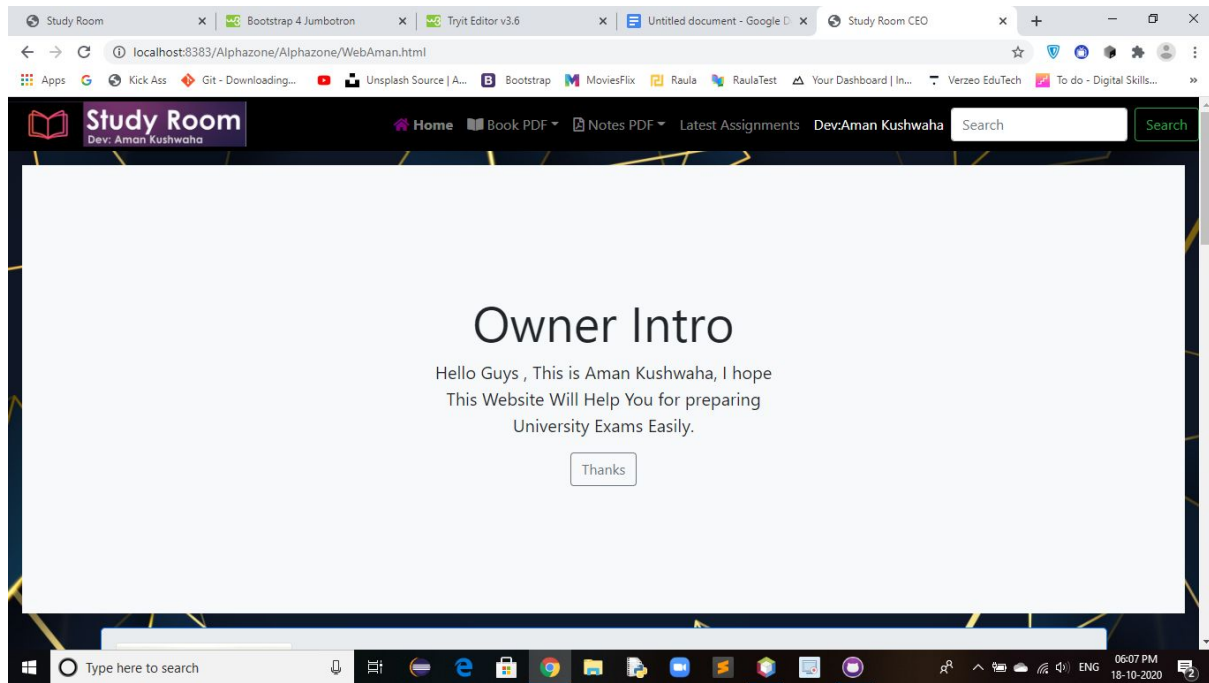
Software Engineering Module 2

Notes By:Tanishka(GLA)

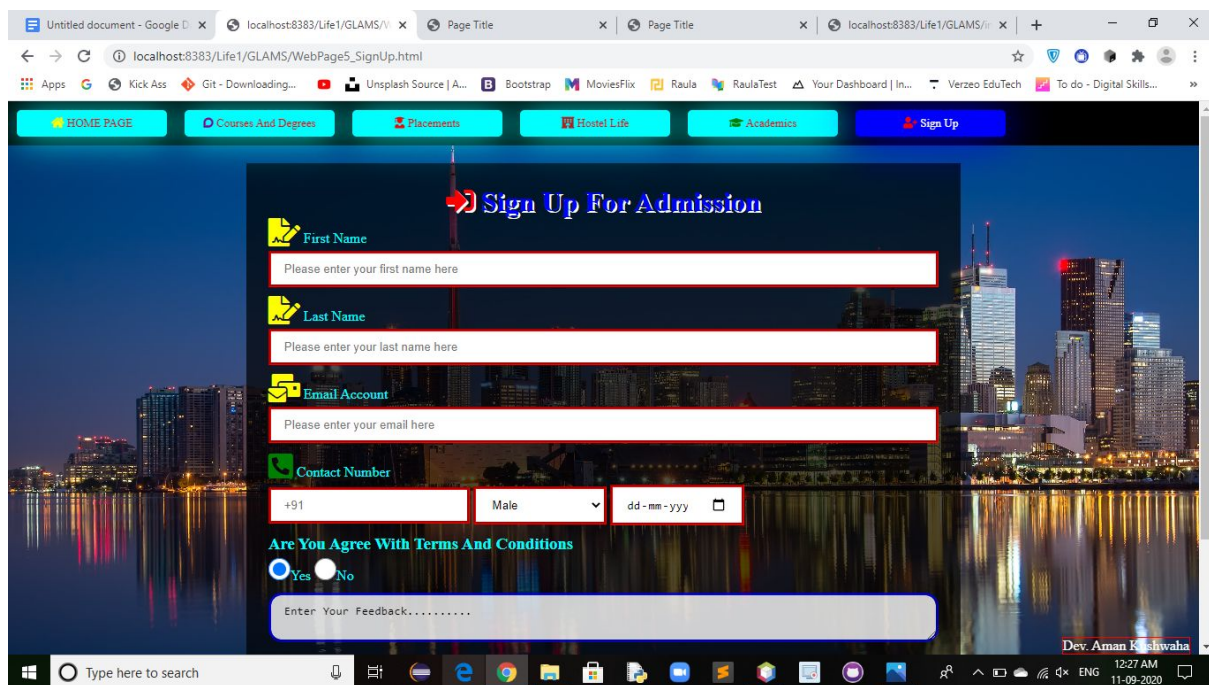


Software Engineering Module 3

Notes By:Tanishka(GLA)



Sign Up Page:



6.SRS

This document describes the software requirements specification (SRS) for the Collage Management System that provides the access and

management of information of different modules in a collage-like Students, Guardians, Teachers/Faculty, Finance, Examination, HR. Our project is based on a database, which stores and maintains the information of different modules within the system. The advantage of the management system is to avoid entries in hard copies and it saves the burden of hard copies of data. The system is a Desktop Application and GUI for this system is developed in JS. The Database for this management system is created in SQL. There are two users for this system

1. Admin (have full access to read and write of all modules in management system)
2. Teacher (have access limited to write and manage the student's marks, attendance, etc.).

The purpose of this document is to retrieve and analyze the ideas that define the product and requirements that the user needs. This document describes the details of our product, its parameter, and its goals. This SRS document describes the target, audience, user interface of product and Software/Hardware requirements of our product. This document also describes the problem we have faced during the designing and implementation of the product and also describes how we have solved this problem and make our product more efficient. The management system saves the human power and time cost to perform the same task. The data in the database can be saved for a long time and can be used for different purposes in the future. In management systems, there is a minor chance of losing the data. This document also defines how customers and users see our product and understand the functionality of the product. This document will help the developers/designers in case of maintenance of the software product.

7.Project Scope

In this project that includes J Query and SQL. J Query is used to design the GUI for the application by which the user can interact with software applications. The SQL Server is used for creating the database in which

different information will store. The main focus of this project is to give the best GUI for the users and provide the many modules in a single product. Admin can view all of the information that is stored in the database through application and admin also can modify this information because the admin has full access to the system.

8.Conclusion

My project is only a humble venture to satisfy the needs to manage their project work. Several user friendly coding have also adopted. This package shall prove to be a powerful package in satisfying all the requirements. The objective of software planning is to provide a frame work that enables the manager to make reasonable estimates made within a limited time frame at the beginning of the software project and should be updated regularly as the project progresses.

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<https://www.php.net/manual/en/function.ucfirst.php/>

[https://www.w3schools.com/howto/howto_google_fonts.asp /](https://www.w3schools.com/howto/howto_google_fonts.asp/)

<https://www.iconfinder.com/>

Appendices

In the pages set out below we introduce Hypertext Markup Language (HTML), Cascading Style Sheets (CSS) and Bootstrap, the three core components of most web pages.

In these pages, text used within HTML, CSS or JavaScript files is generally shown in courier new (i.e. a fixed space) font. The pages contain links to an extensive body of reference material explaining HTML, CSS in detail. We also provide a wide range of examples, which can help you understand better how HTML, Bootstrap work. See below for further details on how to access these examples

Hypertext Markup Language (HTML)

1. Introduction
2. Getting started
3. Carriage returns and thematic break lines
4. Commenting
5. Special characters
6. Hyperlinks
7. HTML elements (and their attributes)
8. Browser feature detection

Cascading Style Sheets (CSS)

1. Introduction
2. Selectors
3. Hints and further information