Project Report
On
ONLINE TATTOO STUDIO
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CERTIFICATE

This is to certify that the project work titled "**ONLINE TATTOO STUDIO** " is a bonafied project work submitted by D Dorababu and V Vamsridhar Reddy in the department of COMPUTER SCIENCE AND ENGINEERING in partial fulfillment of requirements for the award of degree of Bachelor of Technology in Computer science and engineering for the year 2020-2021 carried out the work under the supervision.

GUIDE
M HIMABINDU

HEAD OF THE DEPARTMENT
P HARINADHA

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INDEX

Abstract

Nowadays, Online Tatoo Studio become one of the most common trend in the youth for passion.In this project I tried to develop a computerized and web based ONLINE TATOO STUDIO.This system is designed to overcome all challenges related to the time consuming that were used to be handled locally and manually.Using this system, it will help us to record all transaction made at the daily ; recognize all customers, employees, etc. It will manage all activities around the tatoos that increases productivity and maximize profit, it will also minimizing the risk of getting loss because all transactions are recorded to the system.

Introduction

Online Tatoo Studio is web based technology which brings up various diagnosis works online.Here users are first allowed to register on the website and provide personal information information.Once registered with their address and contact details, the users may now see a variety of tatoos.The user will select the required tatoo and book an appointment.After successful user can track their history using the name, order and registered mobile number.In Online Tatoo Studio we use HTML,CSS,JAVA SCRIPT,PHP and MySQL database,. It has one module i.e

User Module

User can visit the application through a URL.

Login:This section divided into two parts. One is for new user and another one is for registered user. New user (First-time user) needs to provide personal details.A registered user only needs to provide login information; their personal information will be fetched from the database.

Purpose

The main purpose of Online Tatoo Studio is to provide a platform where users can book the tatoo online sitting at home. With the help of this project we are bringing the use of technology in the field of Tatoos where users can avail all the tatoo facilities at their door steps.

Scope

Today also we have to go to the Tatoo studio center, wait in the queue to get our Tatoo done.As Technology is growing rapidly we are also moving to a technical world where everything we want to be online. So with the help of this project we are bringing the use of technology in the field of tatoos where users can avail all the tatoos done at home.This access friendly software provides quick and effective services which helps the Tatoo center to increase their sales and profit.

Advantages:

- The system allows automate tatoo system.
- Allows for faster service.
- Allows increased sales and profits for tatoo studio.
- Easy, user friendly GUI.
- Validation of data will be ensure only accurate valid and complete data stored in the database.
- Easy retrieval or data will be made possible by finding techniques.

Disadvantages:

- It reduces employment as the human efforts are being automated by this system.

Requirement Specification

Hardware Configuration:

Client Side:

Ram	512 MB
Hard disk	10 GB
Processor	1.0 GHz

Server side:

Ram	1 GB
Hard disk	20 GB
Processor	2.0 GHz

Software Requirement:

Front end	HTML,CSS ,jquery,java script
Server side Language	PHP
Database Server	MYSQL
Web Browser	Firefox , Google Chrome or any compatible browser
Operating System	Ubuntu,Windows or any equivalent OS
Software	xampp

APACHE

The Apache HTTP Server Project is an effort to develop and maintain an open-source HTTP server for modern operating systems including UNIX and Windows. The goal of this project is to provide secure, efficient and extensible server that provides HTTP services in sync with the current HTTP standards.The Apache HTTP Server was launched in 1995 and it has been the most popular web server onthe Internet since April 1996. It has celebrated its 20th birthday as a project in February 2015.

PHP

- PHP stands for PHP: Hypertext Preprocessor.
- PHP is a server-side scripting language, like ASP.
- PHP scripts are executed on the server.
- PHP supports many databases (MYSQL, Informix,Oracle, Sybase, Solid, Generic ODBC
- PHP is an open source software.
- PHP is free to download and use.

MYSQL

- MYSQL is a database server
- MYSQL is ideal for both small and large applications
- MYSQL is free to download and use
- MYSQL supports standard SQL
- MYSQL compiles on a number of platforms

Analysis and Design

Analysis:

Today also we have to go to the tatoo center, wait in the queue to get our COVID19 test done. As Tech -nology is growing rapidly we are also moving to a technical world where everything we want to be online. So with the help of this project we are bringing the use of technology in the field of tatoos where users can avail all the tatoos their door steps.This project makes the tatoo process easy and reduces the burden of users.

Disadvantage of present system:

- Not user friendly: The present system not user friendly because data is not stored in structure and proper format.

Design Introduction:

Design is the first step in the development phase for any techniques and principles for the purpose of defining a device, a process or system in sufficient detail to permit its physical realization. Once the software requirements have been analyzed and specified the software design involves three technical activities - design, coding, implementation and testing that are required to build and verify the software.

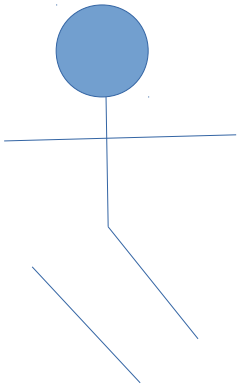
The design activities are of main importance in this phase, because in this activity, decisions ultimately affecting the success of the software implementation and its ease of maintenance are made.These decisions have the final bearing upon reliability and maintainability of the system.Design is the only way to accurately translate the customer’s requirements into finished software or a system.

Design is the place where quality is fostered in development. Software design is a process through which requirements are translated into a representation of software. Software design is conducted in two steps.Preliminary design is concerned with the transformation of requirement into data.

UML Diagrams:

Actor:

A coherent set of roles that users of use cases play when interacting with the use cases.an observable result of value of an actor.



Use case:

A description of sequence of actions, including variants, that a system performs yields an observable result of value of an actor. actor diagram is drawned in a eclipse shape.

UML stands for Unified Modeling Language. UML is a language for specifying, visualizing and documenting the system. This is the step while developing any product after analysis. The goal from this is to produce a model of the entities involved in the project which later need to be built. The representation of the entities that are to be used in the product being developed need to be designed.

USECASE DIAGRAMS:

Use case diagrams model behavior within a system and helps the developers understand of what the user require. The stick man represents what's called an actor.Use case diagram can be useful for getting an overall view of the system and clarifying that can do and more importantly what they can't do.Use case diagram consists of use cases and actors and shows the interaction between the use case and actors.

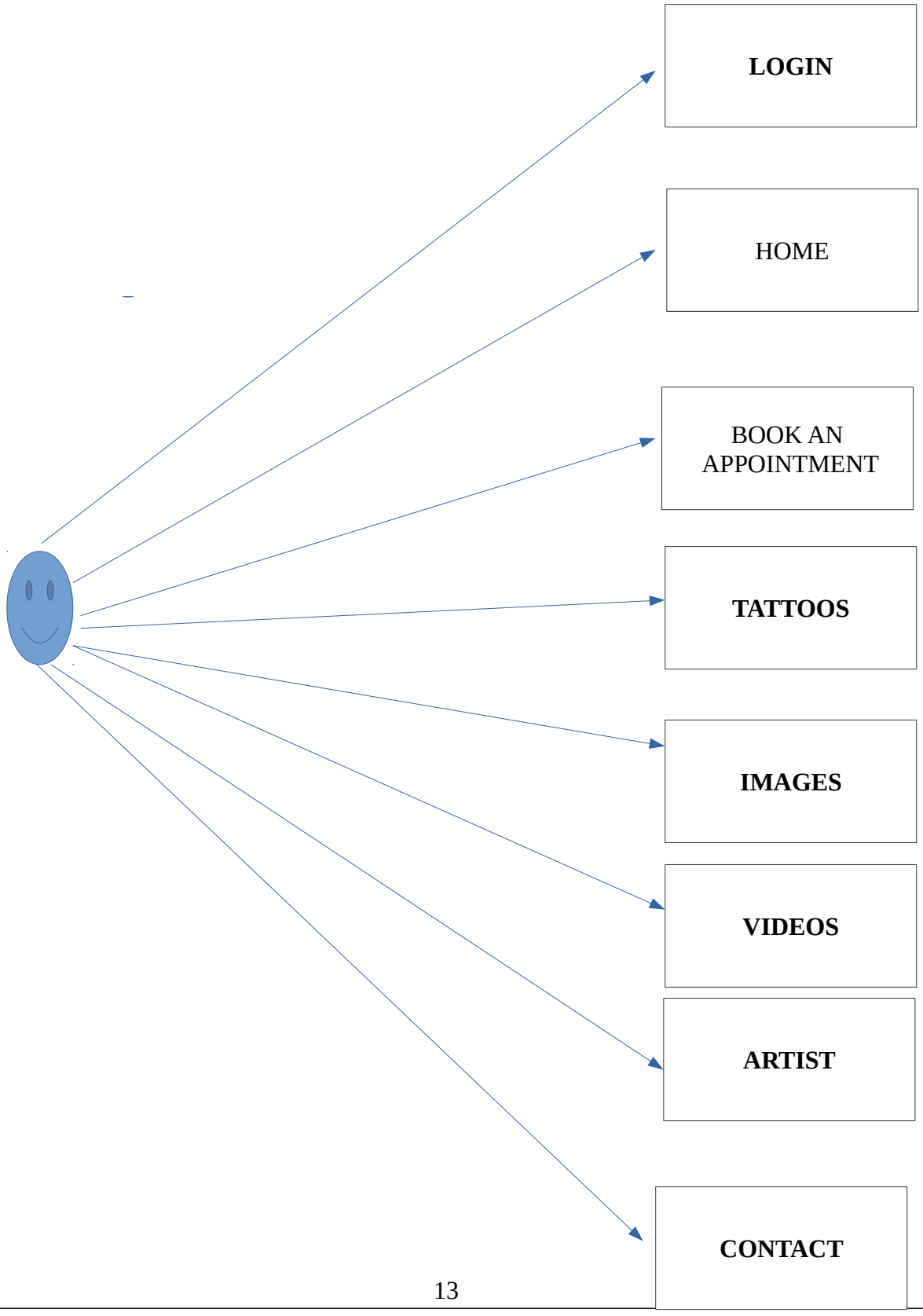
- The purpose is to show the interactions between the use case and actor.
- To represent the system requirements from user's perspective.
- An actor could be the end-user of the system or an external system.

USECASE DIAGRAM:

A Use case is a description of set of sequence of actions. Graphically it is rendered as an ellipse with solid line including only its name. Use case diagram is a behavioral diagram that shows a set of use cases and actors and their relationship. It is an association between the use cases and actors. An actor represents a real-world object. Primary Actor – Sender, Secondary Actor Receiver.

Use Case Diagrams:

User



ER Diagram:

The Entity-Relationship (ER) model was originally proposed by Peter in 1976 [Chen76] as a way to unify the network and relational database views. Simply stated the ER model is a conceptual data model that views the real world as entities and relationships. A basic component of the model is the Entity-Relationship diagram which is used to visually represent data objects. Since Chen wrote his paper the model has been extended and today it is commonly used for database design for the database designer, the utility of the ER model is:

- It maps well to the relational model. The constructs used in the ER model can easily be transformed into relational tables.
- It is simple and easy to understand with a minimum of training. Therefore, the model can be used by the database designer to communicate the design to the end user.
- In addition, the model can be used as a design plan by the database developer to implement a data model in specific database management software.

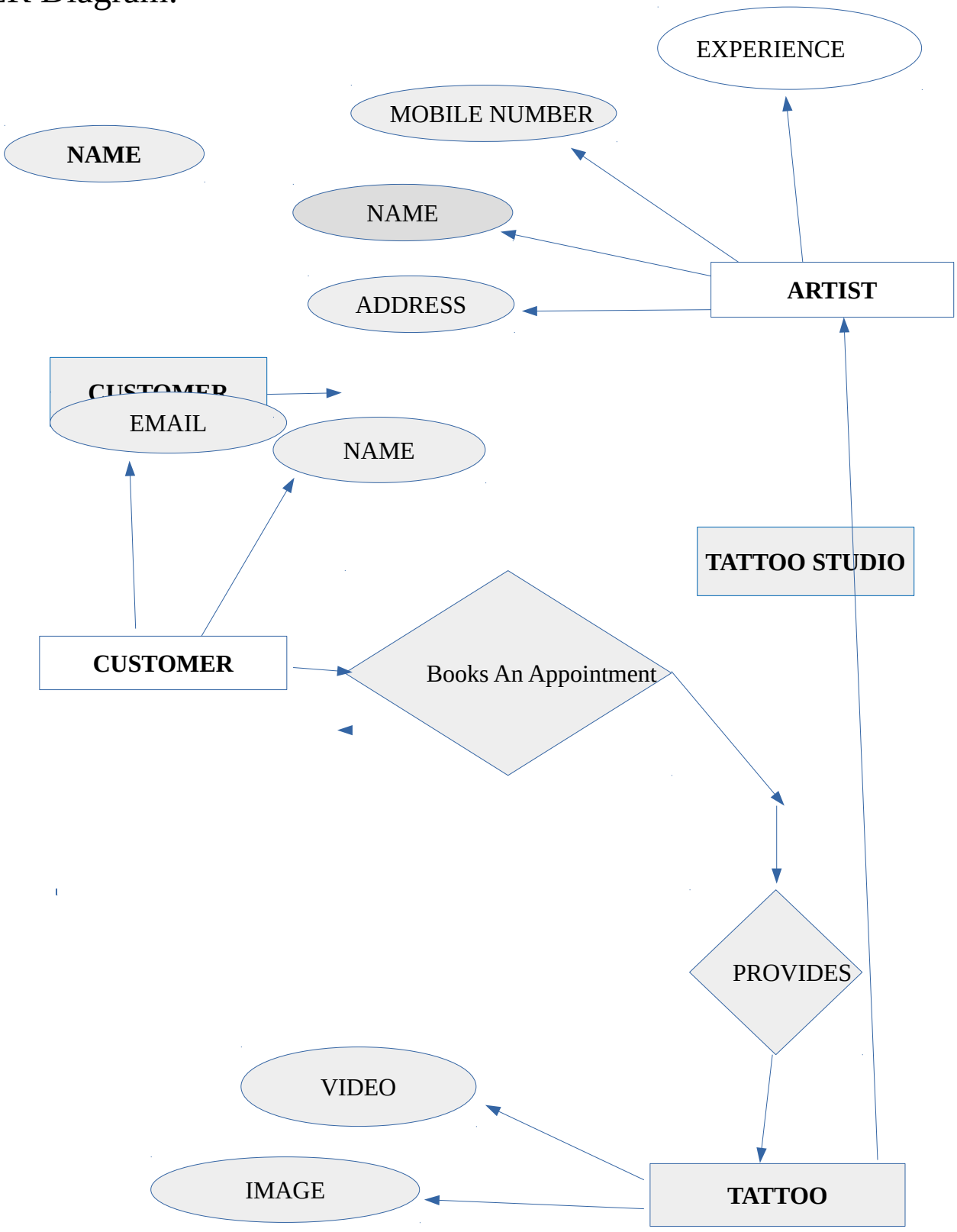
ER Notation

There is no standard for representing data objects in ER diagrams. Each modeling methodology uses its own notation. The original notation used by Chen is widely used in academics texts and journals but rarely seen in either CASE tools or publications by non-academics. Today, there are a number of notations used; among the more common are Bachman, crow's foot, and IDEFIX.

All notational styles represent entities as rectangular boxes and relationships as lines connecting boxes. Each style uses a special set of symbols to represent the cardinality of a connection. The notation used in this document is from Martin. The symbols used for the basic ER constructs are:

- Entities are represented by labeled rectangles. The label is the name of the entity. Entity names should be singular nouns.
- Relationships are represented by a solid line connecting two entities. The name of the relationship is written above the line. Relationship names should be verbs
- Attributes, when included, are listed inside the entity rectangle. Attributes which are identifiers are underlined. Attribute names should be singular nouns.
- Cardinality of many is represented by a line ending in a crow's foot. If the crow's foot is omitted, the cardinality is one.

ER Diagram:


EXPERIENCE
MOBILE NUMBER
NAME
NAME
ARTIST
ADDRESS
EMAIL
NAME
TATTOO STUDIO
CUSTOMER
Books An Appointment
PROVIDES
VIDEO
IMAGE
TATTOO

Implementation and System Testing

After all phase have been perfectly done, the system will be implemented to the server and the system can be used.

System Testing

The goal of the system testing process was to determine all faults in our project .The program was subjected to a set of test inputs and many explanations were made and based on these explanations it will be decided whether the program behaves as expected or not. Our Project went through two levels of testing,

1. Unit testing
2 .Integration testing

Unit Testing

Unit testing is commenced when a unit has been created and effectively reviewed .In order to test a single module we need to provide a complete environment i.e. besides the section we would require The procedures belonging to other units that the unit under test calls Non local data structures that module accesses .A procedure to call the functions of the unit under test with appropriate parameters.

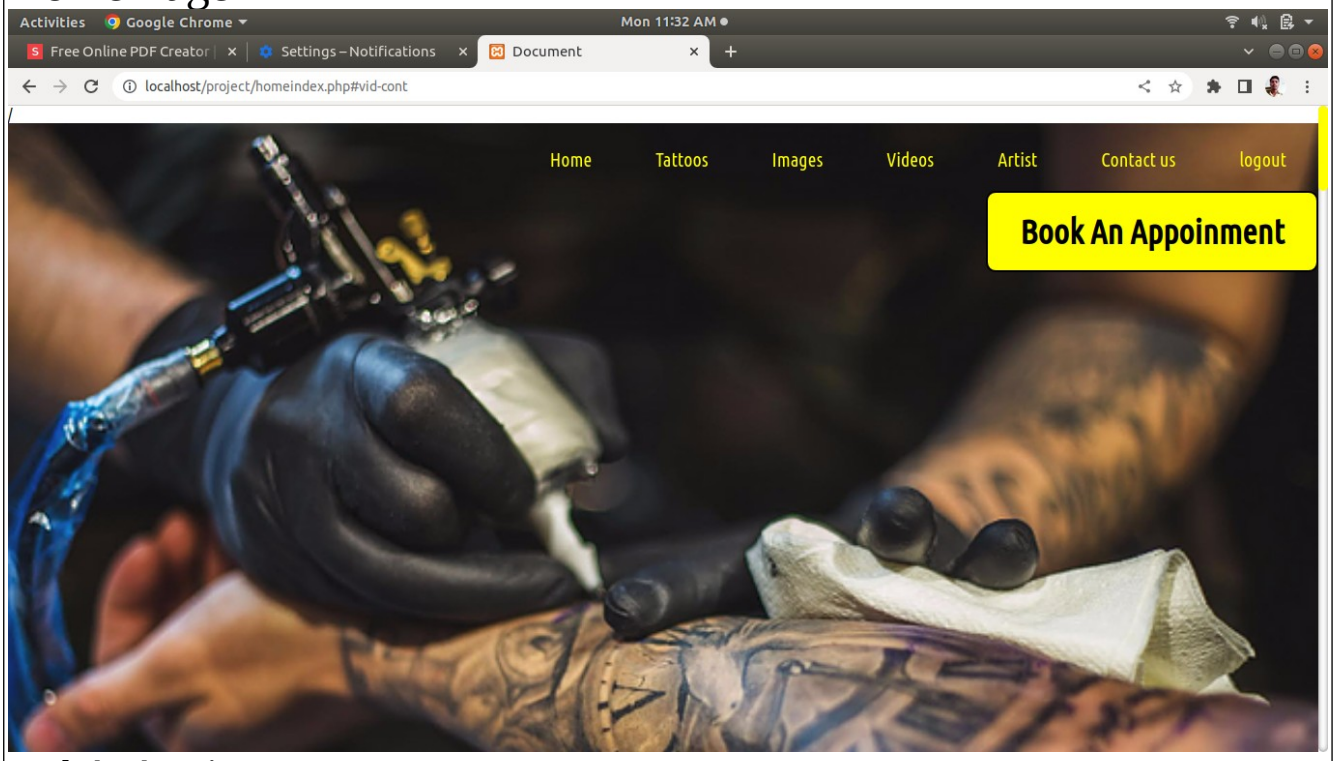
1. Test for the admin module

Testing admin login form:This form is used for log in of administrator of the system. In this form we enter the username and password if both are correct administration page will open otherwise if any of data is wrong it will get redirected back to the login page and again ask the details.

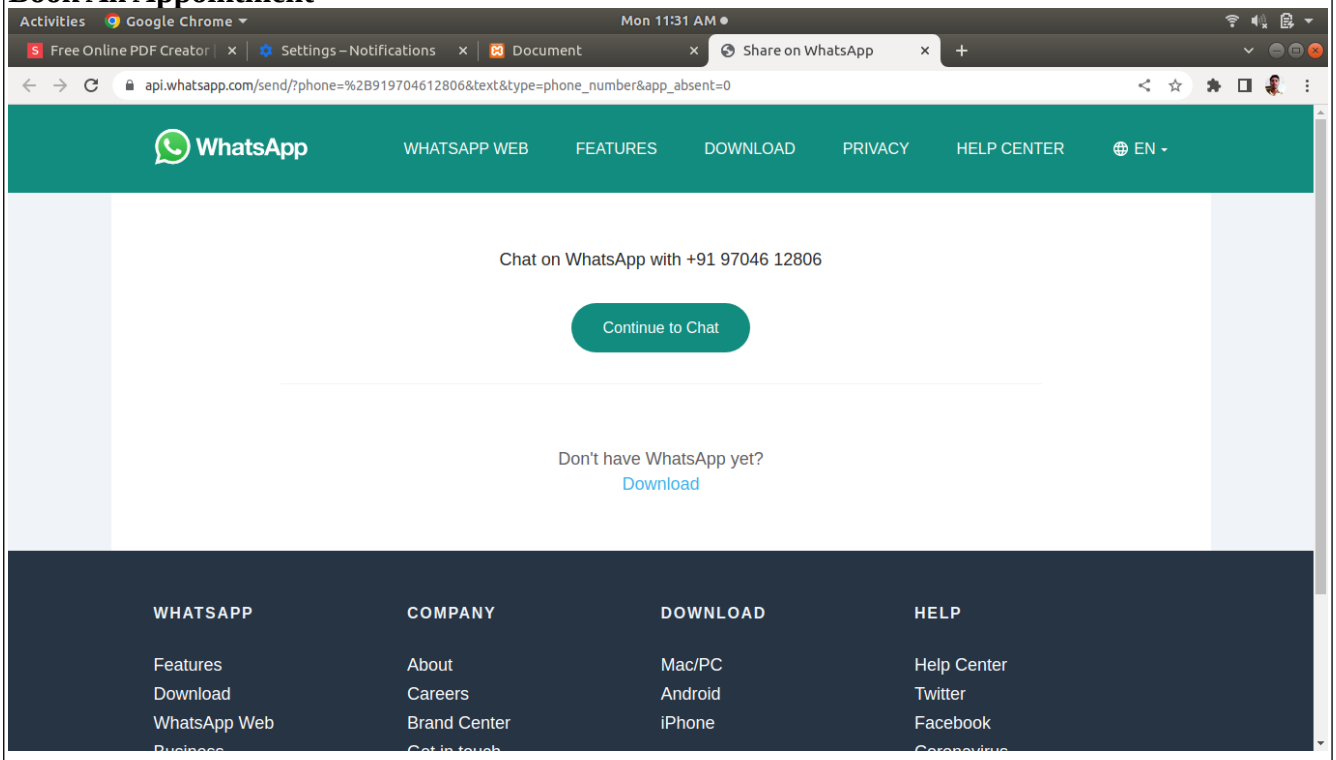
Report Generation: admin can generate report from the main database.

Integration Testing:In the Integration testing we test various combination of the project module by providing the input.The primary objective is to test the module interfaces in order to confirm that no errors are occurring when one module invokes the other module.

Evaluation
Project URL: http://localhost/project/
Home Page



Book An Appointment



Conclusion

Online is very much graceful and lively. users have to register to the portal by giving their details and then they can take appointment through online with minimal effort.

- Automation of the entire system improves the productivity.
- It provides a friendly graphical user interface which proves to be better when compared to the existing system.
- It gives appropriate access to the authorized users depending on their permissions.
- It effectively overcomes the delay in communications.
- Updating of information becomes so easier.
- System security, data security and reliability are the striking features.
- The System has adequate scope for modification in future if it is necessary.

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For XAMPP

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**********THANKYOU**********