Project Report
On

LEARNERS POINT

Submitted by

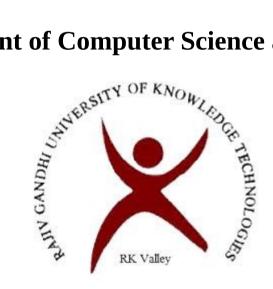**N.Poojitha (R170604)**
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CERTIFICATE

This is to certify that the project work titled **"LEARNERS POINT"** is bonafid project work submitted by S.Misba (R170607), N.Poojitha (R170604) 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 2021-2022 carried out the work under the supervision of Mr.N Chandhra Sekhara

GUIDE   HEAD OF THE DEPARTMENT
N.Chandhra Sekhar   **P.HARINADHA**

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<u>ABSTRACT</u>

Learners Point is a online website which provides free courses these are related to programming languages . It is difficult to search individually on the internet about programming languages. Our website these thing easier by providing all courses in one place. Learning never exhausts the mind of all students. Learners point is an online website where we can find all the resources related to the computer programming languages and also computer science and engineering .I will reduce search time.

Introduction

Learners point is web technology which brings up various courses in programming languages. Learners point website to provide a platform where students can get information and knowleadge about programming languages and computer science subjects Learners point focus on content deliverd
to the learners . In Learners Point we used HTML, CSS, Bootstrap, JavaScript, PHP, MySQL. It consist 5 modules:

- **Home module**
- **Register mobule**
- **Login module**
- **Dashboard module**
- **About Us module**

Home Module:

In Home module there are other modules included
Home, Register, About, Dashboard. After clicking on register module the register page will appear.

Register Module:

In register module there are inputs used for entering the details of username, Password, Confirm Password. After enterning the details user can click on Signin button that is used for saving the details.

Login Module:

Opening the website user need to enter the username and password. It will show up the Dashboard details.

Dashboard Module:

In dashboard it shows the contents of the programming languages and other subjects related to computer science. User click on any topic to learn about the subject.

AboutUs Module:

In this module it gives information about designer and developer and also technologies which are used to built this website.

PURPOSE

The main purpose of the Learners point website to provide a platform where students can get information and knowledge about programming languages and computer science subjects. This web application helps eradicating time of the users.

SCOPE

This website creates a momentum of flexible academic scenarios. E-learning educates people of all different ages. This is likely to develop and become more convenient for learners. The website helps to improve the performance of students through their academic subjects.

Requirement Specification

Hardware Configuration:

Client Side:

Ram	516MB
Hard Disk	10GB
Processor	1.0 GHz

Software Requirement:

Front End	HTML, CSS, Bootstrap
Serevr side Language	Javascript PHP
Web Browser	Firefox , Google Chrome or any Compatible browser
Operating System	Ubuntu,Windows or any equivalent OS

HTML:

- HTML stands for HyperText Markup language
- HTML is the standard markup language for creating Web
- pages
- HTML describes the structure of a Web page
- HTML consists of a series of elements
- HTML elements tell the browser how to display the
- content

CSS:

- CSS stands for Cascading Style Sheets
- CSS is the language we use to style an HTML document.
- CSS describes how HTML elements are to be displayed on screen, paper, or in other media
- CSS saves a lot of work. It can control the layout of multiple web pages all at once
- External stylesheets are stored in CSS files

Bootstrap:

- Bootstrap is a free and open-source CSS framework.
- It directed at responsive, mobile-first front-end web development.
- It contains HTML, CSS and Javascript based design templates   for typography, forms, buttons, navigation, and other interface components

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, etc.,)
- PHP is an open source software.
- PHP is free to download and use.

Javascript:

JavaScript is the programming language of the Web.

- JavaScript is a lightweight, interpreted programming
- language.
- It is designed for creating network-centric applications.
- It is complimentary to and integrated with Java.
- JavaScript is very easy to implement because it is
- integrated with HTML.It is open and cross-platform.
- Javascript provides Ajax library which helps in loading
- back-end data while you are doing some other process
- This really gives an amazing experience to your website visitors.

Analysis and Design

Analysis:

To enhance the knowledge or even to learn something from beginning Learners point website has become one of the most important subject website. The objectives of this website relates to lifelong learning objectives associated to cognitive, affective and psychomotor domains. The Learners Point website used by students and learners to enchance their knowledge.

Disadvantages of present system:
- Not user friendly
- Manual control
- Lots of paper work
- Time consuming

Design:

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.

Data flow :

Data move in a specific direction from an origin to a destination.

Data Flow Diagram Levels:

A data flow diagram has been classified into different levels. The different levels are as follows:

1. Context level or Level-0

2. Top level or Level-1

1.Context level diagram:

This level shows the overall context of the system and its operating environment and shows the whole system as just one process then get the response on the window.

Fig: content level / Level 0 data flow diagram

2. Top level diagram:

This level (level 1) shows all processes at the first level of numbering, data stores, external entities and the data flows between them. The purpose of this level is to show the major high-level processes of the system and their interrelation. A process model will have one and only one level-1 diagram. A level -1 diagram must be balanced with its parent context level diagram.
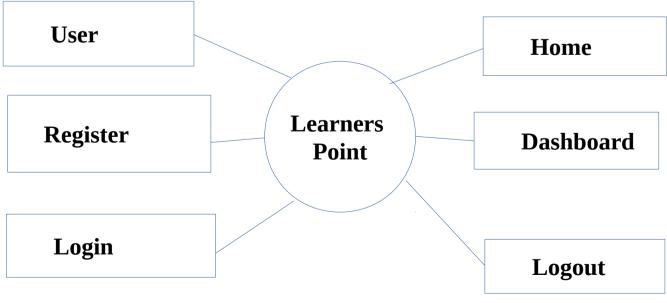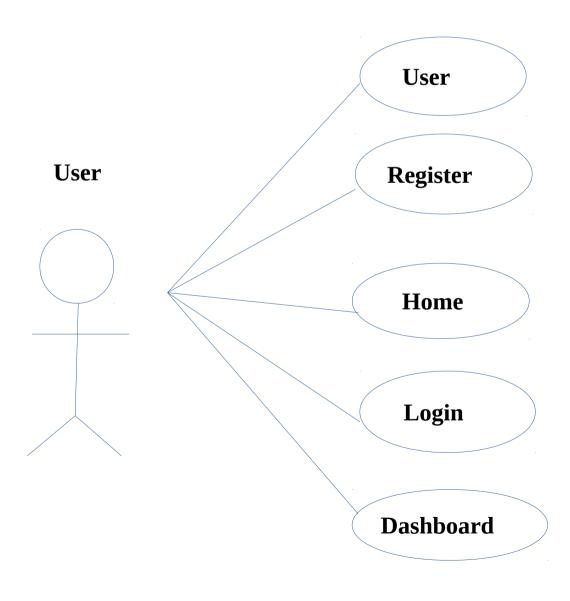

Fig : l evel 1 data flow diagram

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.

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 Register module

Testing Register login form-This form is used for log in of user .

In this form we enter the username and password if both are correct dashboard page will open otherwise if any of data is wrong it will get redirected back to the login page and again ask the details.

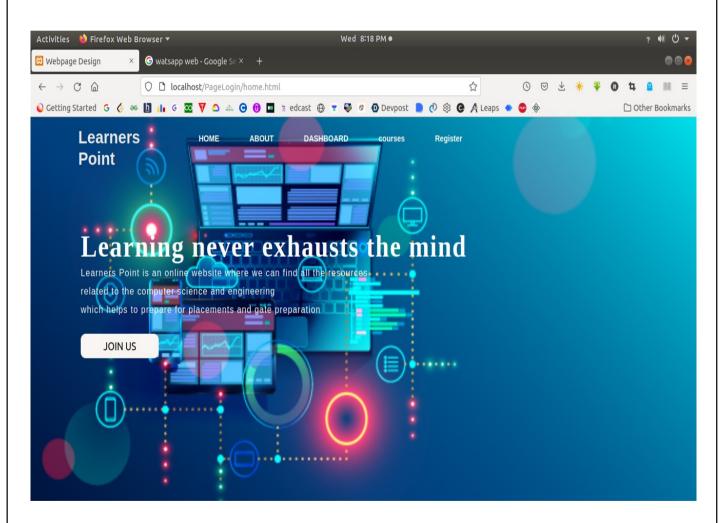**Report Generation:** Login can generate report from the main database.

Integration Testing

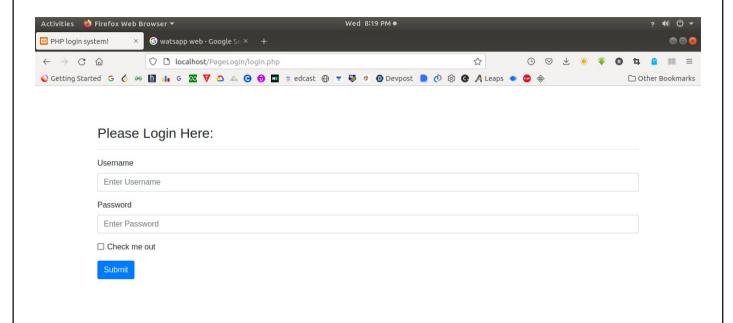In the Integration testing we test various combination of the project module by providing the input.

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

Home Page:

Login form:
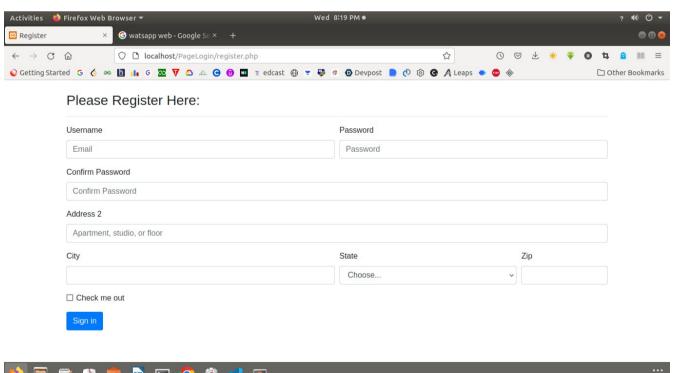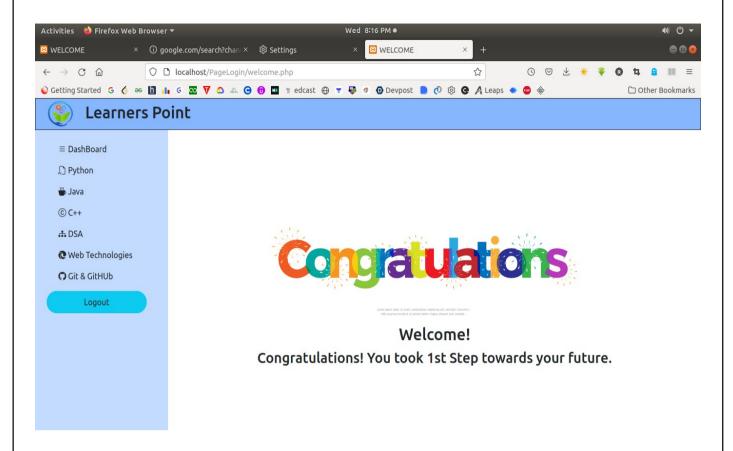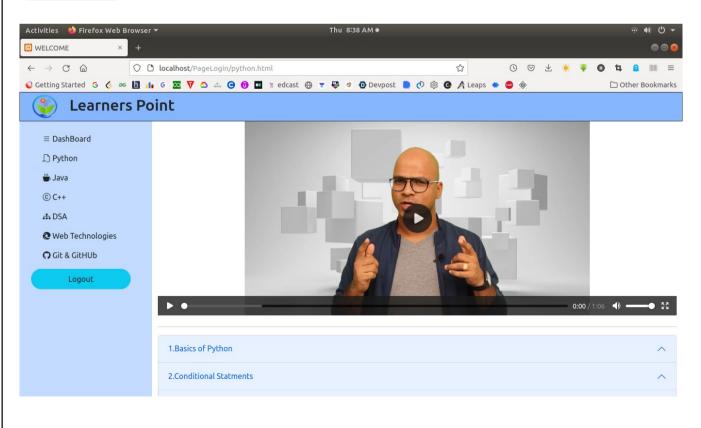

Register Form:

Dashboard:

Content:

About Us:

<u>Conclusion:</u>

Online Education has brought a positive impact in the lives of students and working professionals. It has given an opportunity to take up additional courses along with their studies orjob as per their convenience. Online education has also helped the faculty in the institutions to ask students to study some part of syllabus online which do not require much of classroom instructions. So the online study helps the faculty to save time in which they can interact with the students more. The quality of education has improved by online courses and even it has become easy for students to refer the content as per their leisure. In the era of digitalization the scope ofonline education increase even more and will be beneficial for students, professionals and also institutions

References

- Youtube
  https://www.youtube.com
- HTML
  https://www.w3schools.com/
- Bootstrap
  https://getbootstrap.com/
- Php
  https://www.codewithharry.com/videos/php-mysql-login-system-in-one-video/
- Books
  https://ivypanda.com/essays/impact-of-online-courses-on-education/
- CSS
  https://www.codewithharry.com