**LINGUATE {A LEARNING WEBSITE}**

A Synopsis Submitted

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1. **Introduction**

* We are particularly creating a tutorial website in which the learners who are curious for programming will be taught basic C PROGRAMMING LANGUAGE  from scratch to advanced level.
* The main motive to teach C language is because this is a basic ,simple and easy language which will get cleared all the concepts and doubts in programming of the beginners especially.
* We have particularly planned this project for the new comers to programming.

**1.1  Purpose**

* The purpose of this document is to present a detailed description of the Linguate website.It will explain the purpose and features of the system, the interfaces of the application, what the application will do, the constraints under which it must operate and how the application will react to external stimuli.

**1.2 Scope of Project**

* This learning website is based on that  he/she can learn computer language in a better way in a different manner and pattern.

**2. Objective**

* The main objective of this project is to make the new comers to programming comfortable in and to take their curiosity to their utmost level.
* In this website we will provide students a basic knowledge about computer languages and providing them a quiz based on the programming language.
* To make this website interactive and interesting for kids and adults.

**3. Feasibility Study:**

* Based on our research , we think a good learning should be provocative,exploratory,and open-ended; it should also have been desgined with primary input from educators and curricular developers ,or shown in educational research to be an effective learning tool. The website we cover in this guide are great

learning website not because they are desgined to make kids smarter,to drill facts ,or to replace in-school  learning ,but because they are interactive and interesting for kids and adults.

* In 2019,finding educational website of high quality seem like a daunting task particularly when you take into account the fact tha there many educational website. Finding good quality education website that actually enhance teaching and learning can be tricky. We spent several hours researching and testing educational and learning websites recommended by educators, teachers , parents and kids.

**User Characterstics Constraints**

**3.1 User characteristics**

* The user should have basic knowledge of using android phones.

**3.2 constraints**

* The phones having the website should be connected over internet.
* Sign-in and password are used for the identification of user.
* Database should be updated as per needs.

**4. Methodology/ Planning of work**

* **Methodology:** The proposed methodology to this project is to identify the students’ interest regarding coding language and motivation for self-learning, then prepare a levels with assigned tasks that shifted depending on the students’ weekly progress and performance (measurement of that performance is shared in the Discussion section). It was essential to start on- learning with C-language in the early stages as students would be more likely succeed when shown the website on their phones or a device. The following steps explain the methodology of learning programming language in a website-based project:
* **Problems and issues:** when a problem or issue occurs, suggested solutions or support must be provided, including the debugging of code
* **Testing on a mobile device:** Testing should be done on the student’s smart phone or tablet; students tend to become more motivated when they have easy way to learn programming language like C-language in a very effective manner.
* **Selection of Language:** Give some flexibility to the student to learn the language so, that they feel comfortable in learning. Students not usually master in coding this website will help to start from very basic level so, that they enhance their coding skills by making their base strong. as it is seen that C-language is the base of programming language. Hence it is best way to start with C.
* **Reliability:** The capability to maintain the specified level of performance is what meant by reliability. This website will operate by any android phone.
* **Availability:** The website will 24x7 if internet connection is available.
* **Security:** Security requirements placed sign-in by the user is necessary to use this website.
* **Maintainability:** Maintenance is one form of change that typically is done after the website has been completed. As the time change, do the needs. Any other feature as per the requirements can be added.
* **Portability:** It is portable in any smartphone.

**Initial state:**

Track your progress with a rich curriculum in each topic.

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Level up in programming languages.

Learn to code for free anytime,anywhere.Build your coder profile .

Test yourself with interactive quizzes.

Suitable for all levels: Beginners and advanced.

Work through the expert-written lesson material.

**5. Facilities required for proposed work**

**5.1 Hardware Requirements**

* An android phone or laptop.

**5.2 Software Requirements**

* **OS:** Windows 10.
* **TOOLS:** Atom text editor.
* **TECHNOLOGIES USED:** HTML, CSS, JAVASCRIPT, BOOTSTRAP,PYTHON.
* **IDE:**PYCHARM.
* **DATABASE:**MySQL.
* **BROWSER:**Google-chrome.

**6. References**

To make our project more effective and understandable, we have referred from the

following resources during the development of the project -

1**.) Solo Learn App**

* Solo Learn is an online and mobile learning platform that offers free coding

classes in 13 different programming languages. This app is best for people who are

beginners in programming.

* We all have started learning Python first at Sololearn because we are developing our website mainly on the basis of Pyhton. The topics we coverd and in aperfect order. The quiz they give after each concepts help you strengthen your basics.
* They also give you a certificate after you finish the course which can be used in your LinkedIn profile or so. SoloLearn was founded in 2014 by Yeva Hyusyan and Davit Kocharyan and is based in Pleasanton, California. SoloLearn was awarded the Grand Prize at the Facebook FbStart Apps of the year Awards.

**2.)Udemy App**

* Udemy is an e-learning platform for training in video through the internet.The Udemy online course platform was launched by Eren Bali, Oktay and Gagan Biyani in the early 2010s.Courses taken on Udemy are not transferable in university credits. Students take classes generally to improve knowledge related to their profession. However some courses may give credits for a technical certificate.Udemy has made a special effort to attract companies looking to offer training to their employees by offering low-cost packages to companies.
* By 2018,Udemy had more than 65,000 courses offered on their site. Udemy serves as a platform for teachers to build online courses on topics they choose. Udemy also offers an application for Apple IOS and Android that allows students to have their classes directly on their phones and wherever they are.
* The difference between Udemy and other online course sites is the proposed structure. Other e-learning sites use well-organized and step-by-step tutorials where you just have to follow. While Udemy’s structure presents itself ratherlike a market of courses where you shop the courses you want such as shopping on an online sales site.

**3.) YOU TUBE and GOOGLE ---**We used these platforms to learn that what are the steps required to develop a web application or how to become a software developer.