Introduction

In the past 10 years, eLearning has increased in popularity. There are many benefits to eLearning for both the learners and the organization. Online courses are an affordable, time-effective way to increase knowledge.

A key reason that eLearning has seen such a growth in adoption in recent years is the ability for people to undertake where and when they please. With online material and a lack of a regimented class timetable, people can fit the learning around their work and family life, rather than the other way around. They can approach the course in the way that works best for them, with courses deliberately tailored for self-study to make the process as flexible as possible.

Another benefit of eLearning courses is that they can be accessed throughout the day so employees can learn the subject at their own pace and in a comfortable environment.

Also, it ensures the fast learners may complete their training sooner which can enhance productivity.

Codemaster is an eLearning website from which students can learn about programming languages.

Overview

The website allows the users to register, login, search and learn about their favourite course and leave a suggestion to improve the site. HTML, CSS and JavaScript are the languages that are used to develop the User Interface (UI) and nodejs, MongoDB are used to save data in the database.

To start off, the user registers themselves as an user in our website and can therefore login to our site. They can choose one or more courses to their liking and learn the programming concepts and coding. Additionally, online compilers are also available for the users to practice and execute the code. Users can also login using facebook as an API.

User’s information given in the register form such as username, email address, contact number and password is stored in mongoDB. Password hashing is also implemented therefore the password given by user is in encrypted form in mongoDB. Also the feedback given by every user along with his name and the feedback is stored in mongoDB. Every user will have their own unique object id. Using that object id we can specifically take details of a person.

Conclusion

This website will be helpful for students or beginners who are willing to learn basic programming concepts as well as for programmers who would like to enhance their knowledge from intermediate to advanced. They are also exposed to several compilation platforms. Therefore they can execute and learn coding more efficiently.

FUTURE SCOPE

We keep updating on the current languages up to date.

Conduct more mock tests and quizzes.