

TutorWeb

Sanjay S S 01FB14ECS212

Shreyash S Sarnayak 01FB14ECS233

Siddharth Srinivasan 01FB14ECS241

TutorWeb is an online interactive platform to help the users to learn programming languages for free, at their own pace. TutorWeb offers programming languages like Java, C, NodeJS and Python. It also offers video lectures on these languages. TutorWeb was designed using JavaScript, JSON, PHP, JQuery, AJAX and MySQL. Our motto is to build education in the way the world deserves. TutorWeb originated from the idea that there exists a class of readers who respond better to online content instead of the existing way of learning in classrooms and prefer to learn new skills at their own pace from the comforts of their drawing rooms.

TutorWeb is hosted on APACHE server. For the accounts, the database software used is MySQL. For the form processing, Php is used. To have dynamic pages and increase interactivity we have used JQuery, JSON, JavaScript and AJAX.

This tutorial website is unlike many other tutorial sites in the sense that it provides dynamic content which helps the user in being a better programmer more effectively. The execution, debugging and checking of user's typed code in real time is what makes our site stand out.

We hoped to enhance this site in a number of ways. We would like to incorporate a Discussion Forum where users can discuss.

- Size limitations have forced us to display only 3 videos for each programming language. This can be increased.
- Error reporting while compiling is not implemented as such. Instead, if the answer obtained while running the user's code doesn't correspond to the required answer, then the editor displays 'incorrect' message.
- Only 5 interactive lessons are provided for each programming language. This project can be extended to provide as many lessons as required.
- Depth of checking for user login is limited, and can be increased.