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Web Based Online Coding Classroom

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Abstract: *Today online learning platforms are contributing a lot to the learning management systems which helps to empower teachers to bring coding into their classrooms. Even though we have a lot of platforms to work on and learn from, we are not properly trained in this domain. This has increased the need for a platform that is targeted only at college students to develop a coding culture among them, right from the start. The project that we aim to develop solves this particular issue and will also enhance the skills of the students through continuous feedback learning. The end product will be a website that the teachers can use to set the problems and give assignments while the students will use the application to solve the assignments. The website is being developed using: HTML, and CSS on the front end, and the database will be PHP. The platform will be composed in such a way endpoints for performing various operations. The website will be built to support modularity, scalability, and ease of use. Some of the features provided by the website are sharing of learning materials, students can practice coding and execution of the code, and support for many programming languages.*

Keywords: Programming, E-Learning, Coding Platform, Classroom

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