Multi Moderator Web Designing Competition Platform with High Performance Code Editor

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ABSTRACT

Design is one of the most important aspect when it comes to web development with this in mind, we came up with an idea of creating competition for web designers which can be used to organize competition for hiring web designers with ease. Over 60% of all internet searches are now completed on mobile, this is up 10% in just over two years. It means that an increasing number of users will view the website on a small screen, so the website should be responsive (changes size based on device), In 2015 Google announced that websites that were responsive and mobile-friendly would be favored in search results..When it comes to web designing competition, there are no systems proposed till now as we cannot automate it because of the colour schemes and user experience checkpoints but we can make things simple for both users and moderators by providing solutions to their individual problems such as writing, analysing and reviewing user designs. For web designing we need three web languages HTML,CSS and JS so we are providing these language support with code editor. This competition system will have 3 easy to use code editors (HTML, CSS and JS) which will be most efficient in terms of speed due to code separation in client and server side. As we are implementing live code editor so, output will be shown automatically as we write code that too within some seconds and one of the most important features of this system will be less hardware and software requirements (i.e., Only Browser).

Keyword : - *Web Development, Web Designing, Web Designing Competition, Ui Designing*

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1. INTRODUCTION

According to web credibility research from Stanford University, 75% of web users admit to making judgments design which proves how important the design of the website is but is it the only important aspect? Studies have shown that it takes only 0.5 seconds for users to form a decision about the website it means both design and speed are important aspects of website development. A positive first impression of the website has been found to lead to ongoing higher user satisfaction and can have a priming effect on the customer's future interaction with the business. Over 60% of all internet searches are now completed on mobile, this is up 10% in just over two years. It means that an increasing number of users will view the website on a small screen, so the website should be responsive (changes size based on device), In 2015 Google announced that websites that were responsive and mobile-friendly would be favored in search results.

Taking all of the points given into consideration companies are looking forward to recruiting website designers but they mostly face problems in doing so as it is difficult to hire technically strong as well as creative designers. To lower the efforts, difficulties, and solving certain problems we have proposed this system.

2. RELATED WORK

"CodePen"[1] Alex Vazquez created an online community for testing and showcasing user-created HTML, CSS, and JavaScript code snippets. It functions as an online code editor and open-source learning environment, where developers can create code snippets, called "pens," and test them.

"Awwwards"[2] Haraldur Thorleifsson developed a professional web design and development competition body. It aims to recognize and promote the best of innovative web design. It is a web competition that developers can submit to. The best year-round submissions are awarded at the Awwwards conference and prize-giving ceremony.

"User Experience Design"[3] (UXD, UED, or XD) Alex Kreger developed an idea of UX design awards it is a global competition for users and customer experience.

Where Companies, agencies, research institutions, young designers, and other UX professionals can participate. The participant with excellent user experience design wins the competition.

"CSS3 For Web Designers"[5] book has many of the CSS3 properties Dan discussed in 2010 now have wider browser support, which means you can feel even more confident putting them to use. In this updated edition, Dan has carefully refreshed code samples, removed old hacks that are no longer necessary, and written a whole new chapter on micro layouts.

"DOM Scripting"[6] Web Designers and Developers take more care in designing and building web sites. Less readily do they turn to old fashioned techniques such as GIF spacers, tables for layout, and deprecated HTML elements, which can cause accessibility/usability problems and are just plain bad practice. There are three main technologies married together to create usable, standards-compliant web designs - XHTML for data structure, Cascading Style Sheets for styling your data, and JavaScript for adding dynamic effects and manipulating structure on the fly using the Document Object Model. This book is about the latter of the three. "DOM Scripting: Web Design with JavaScript and the Document Object Model" gives you everything you need to start using JavaScript and the Document Object Model to enhance your web pages with client-side dynamic effects. We start off by giving you a basic crash course in JavaScript and the DOM, then move on to provide you with several real world examples built up from scratch including dynamic image galleries and dynamic menus, and show you how to manipulate web page style using the CSS DOM, and create markup on fly

3. METHODOLOGY

Design is one of the most important aspect when it comes to web development with this in mind, we came up with an idea of creating competition for web designers which can be used to organize competition for hiring web designers with ease

When it comes to web designing competition, there is still no system proposed till now as we cannot automate it because of the color schemes and user experience checkpoints but we can make things simple for both users and moderators by providing solutions to their individual problems such as writing, analyzing and reviewing user designs. This competition system will have 3 easy to use code editors (HTML, CSS and JS) which will be most efficient in terms of speed due to code separation in client and server side. Output will be shown automatically as we write code that too within some seconds and one of the most important features of this system will be less hardware and software requirements (i.e., Only Browser).

4. EXPERIMENTAL RESULTS

Figure (a) shows an experimental representation of the Participant view where they will be writing codes, checking output and submitting their codes for evaluation.
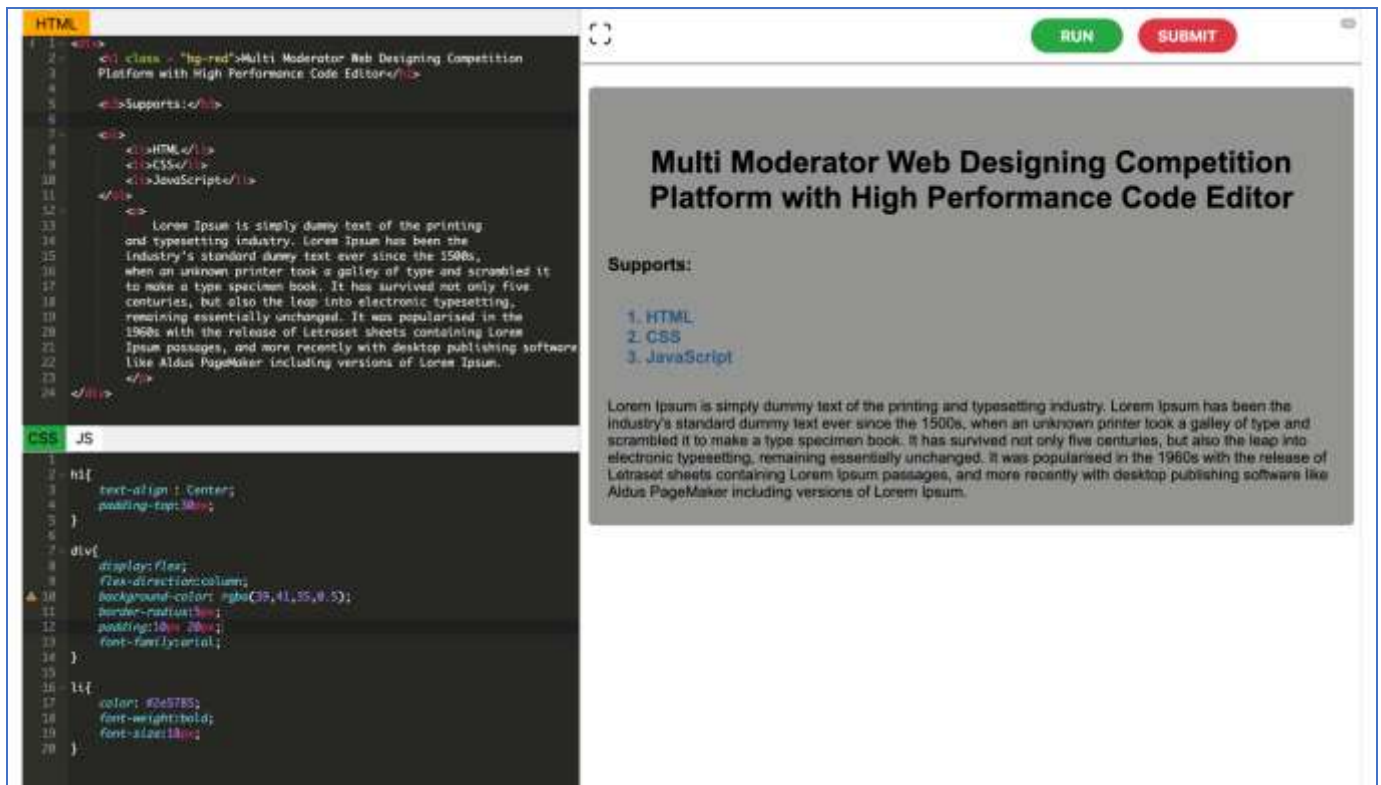

Figure a. User Screen

Figure (b) shows an experimental representation of the Moderator view where they will be allowed to check and evaluate desktop output, mobile output and code written by the participant.
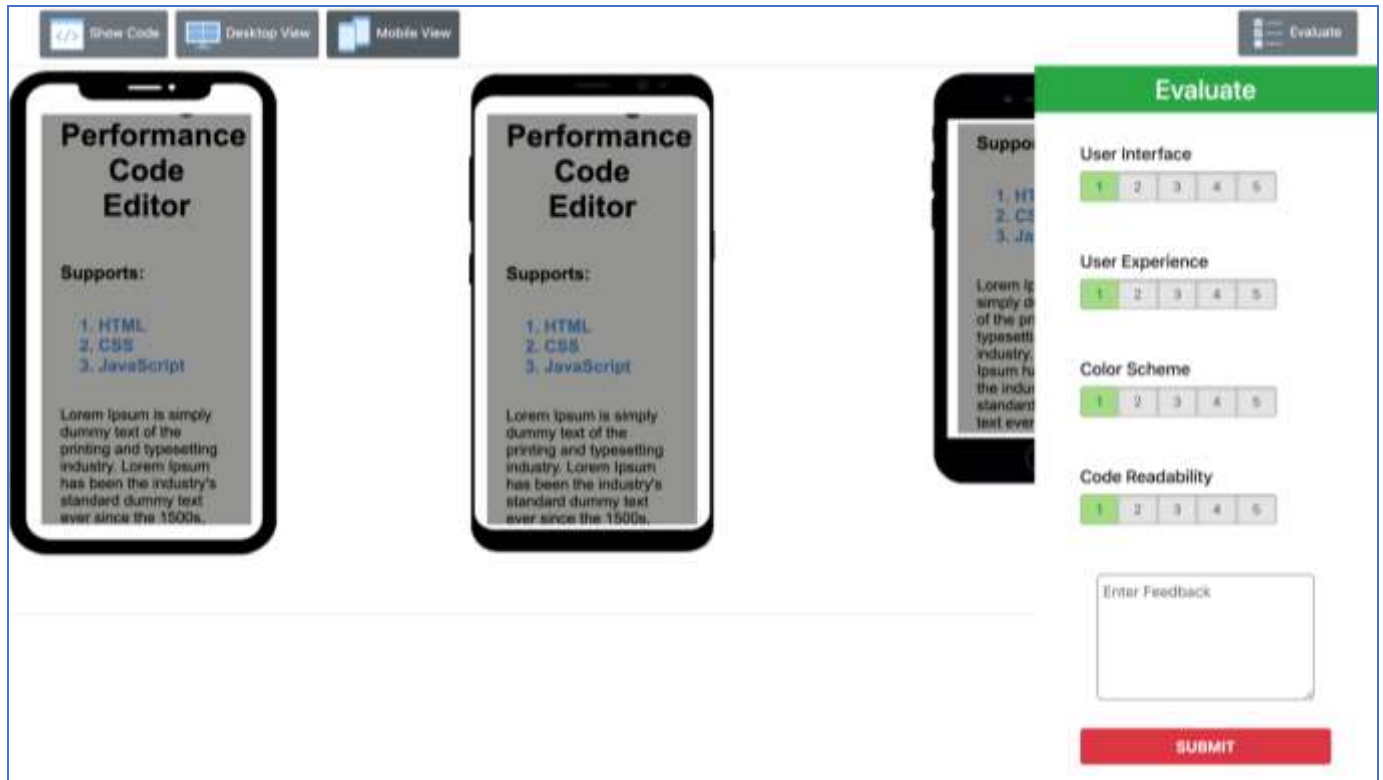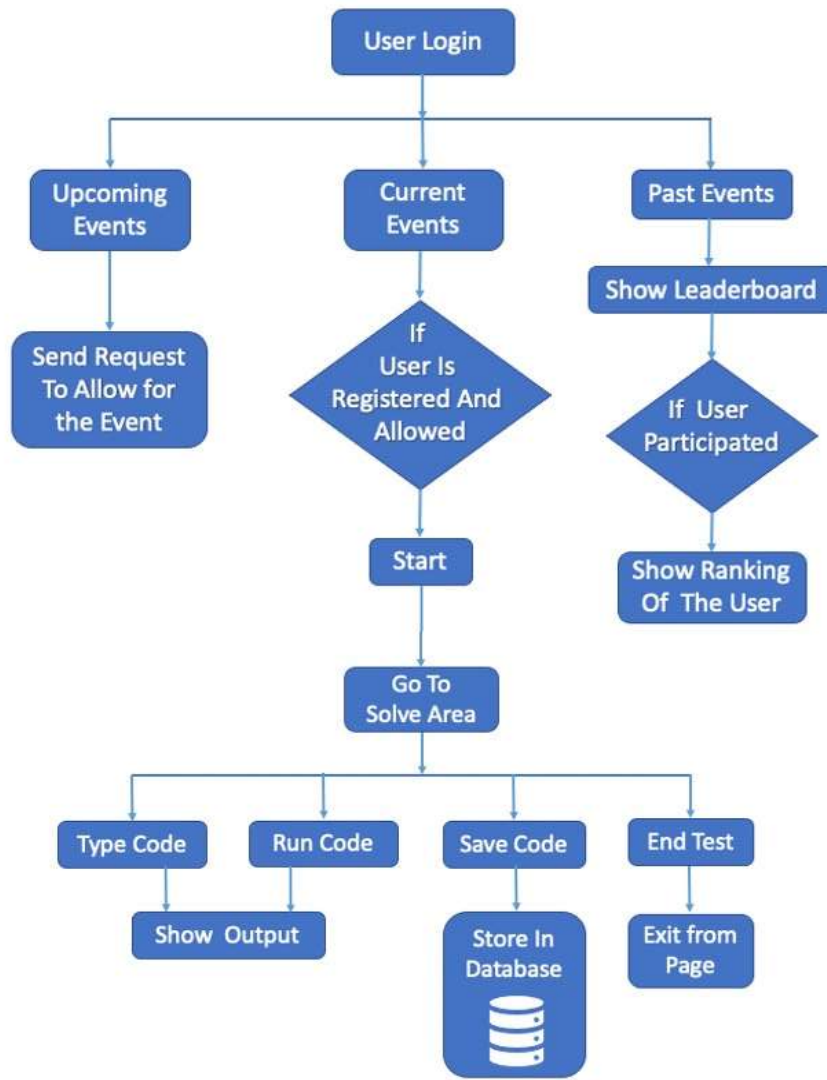
Figure b. Moderator Screen

5. PROPOSED SYSTEM

In this project, we will be building a way to organize web design competitions. There will be two types of panels one will be for participants to code and create designs, another will be for moderators where all designs will be inspected with the user interface, color schemes, user experience, and other interaction points.

In this system, even if the user is registered still, they will not be able to participate in the competition until the moderator gives admittance to them. Moderators are nothing but judges who will rate and select designs based on the user interface, color schemes, user experience, and other interaction points.

The participant's panel consists of three code editors in which the participants will be able to code in HTML, CSS, and JS with the output window that shows output on every code change. One of the key features of this system is that we will be reducing the workload of moderators by allowing them to check multiple designs at a time with options such as select, rate, etc. and they can check code quality and interaction of each design too.

6. CONCLUSIONS

The "Multi Moderator Web Designing Competition Platform with High Performance Code Editor" system will overcome issues that most of the recruiter's face hiring web designers as it will provide a better solution for the learning geeks, which will help them prepare for their web designing skills. Our system delivers a more reliable way to practice web designing. The Moderator feature in the system is helpful for Moderators for keeping track of their web designs. The "Clash of Designers" system will help beginners to practice and hone their skills. This system will also help recruiters in hiring web designers and prepare web designers for better opportunities. And this is not the end we will be looking forward for more use cases in the near future.

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