Html5 Web Design Course Teaching Research

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Abstract. Html 5 network technology has become the mainstream of today's era of open front-end network platform technology, vocational colleges to adapt to today's new forms of network technology, a new era of requirements, the study of teaching related courses is very necessary, this article Html 5 Network Course. In the teaching of the role of doing an important exposition, a reasonable arrangement of the course from the relevant teaching methods is the top task of the relevant professional teachers.

Keywords: Html 5 · Browser · B/S structure

1 Introduction

Microsoft MIX2010 conference in March 2010, Microsoft engineers introduced Internet Explorer 9 browser at the same time, also made the future will enter the era of Html 5. He explores the development of the Internet from a development perspective into three phases [1]. The forthcoming Html 5 is the third phase - rich graphics content and rich media content phase, and website development is about to usher in a new era. Therefore, colleges and universities on the network development courses to adapt to the new era of new environment requirements, Web-based Html 5 teaching design is very necessary.

2 Web Design Course Professional Goal

Html's goal is to be able to create a more simple Web development process, code writing more concise and more efficient, compared to the previous Html version, Html 5 provides more attributes more elements, greatly expanded the Html function itself. In the current Internet B/S structure era, Html 5 rich Internet applications can improve the user experience, is the first choice for Web design and development, and is also the first choice for college Web design-related courses.

3 In the Past Related Issues of Professional Courses

3.1 The Course Content and the Development of Real Technology are Seriously Out of Line

In today's era of IT industry in every direction of the development are by leaps and bounds, web development, especially in the development of the previous paragraph

also experienced too many Html version, and web-based browser is also very diverse types, commonly used include Internet Explore, Google, Firefox, Safari, Opera, etc. Web browser [2]. Developers in the process of developing the corresponding web page program, not only to learn the relevant knowledge of Html, but also to understand whether the relevant code can adapt to commonly used browser. The previous course is mainly to explain the theoretical knowledge-based, related technologies in the network adaptability and scalability and did not spend too much space to introduce the students in the past after learning the lessons, in their own independent preparation of the application when found, many of the attributes and elements of the previous study no longer apply, the commonly used browser is no longer supported by the learning content, resulting in greatly reduced interest in curriculum learning [3].

3.2   Knowledge Points are Too Loose

Previous web design courses because of the Html version of a large number of grammatical inconsistencies between the compatibility of the site leading developers to learn knowledge points are too scattered. Teachers in the process of explaining the course will appear knowledge fault, students also encountered in the learning process cannot connect the relevant knowledge problems, the learning effect of the course is very low.

4   Html 5 Course Advantage

4.1   Adapt to the Requirements of the Times

Html 5 course in Internet-related knowledge, especially the Internet common standards will have a uniform standard, this is also an urgent requirement of the times, before the course of light to explain the compatibility of Web browser before wasting a lot of time, Html 5 course Students will be introduced to a mature web application platform where video, audio, image, animation, and computer interaction are standardized and teachers do not need to spend too much time explaining non-standardization issues, Knowledge point construction is very clear.

4.2   Improve the Lack of Previous Courses

Html 5 is not a new course,it does not require teachers to prepare a new teaching plan, but based on the original curriculum to make up for the past because of platform, browser compatibility bug caused [4]. The previous version of the syntax can still be used on the Html 5 platform, and Html 5 adds a lot of brand new structure-related elements, not only that, but also incorporates a variety of peripheral technologies including micro formats, barrier-free applications, Improve the lack of grammar in the past, improve the readability of grammar.

4.3   Good Interface with Other Core Courses

Before college web design courses are based on the PC platform, but the use of mobile phone platforms in today's society has become the mainstream, so mobile phone-based development courses are also popular courses in colleges and universities, and Html 5 curriculum developed web program, Not only introduced the development knowledge of PC platform, also introduced the relevant knowledge of mobile platform. Teachers introduce relevant knowledge of this course as well as other knowledge points in other directions. After learning this course, the relevant knowledge points can be generalized when students learn other core courses, such as mobile APP development course.

5   The Overall Framework of the Html5 Course

As shown in Fig. 1, Html 5 has a complete structural framework [5]. Relevant web design courses offered by colleges and universities include the current knowledge of network openness, including the new tags included in css, svg, and Animation, etc. Element is the key content of the course, in order to adapt to the new era, new environment teaching requirements [6].

Fig. 1. The overall structure of the Html5 framework map

6   Html 5 Courses May Face Problems

Although Html 5 is the hottest web front-end development tool for the present and in the future, its role is not perfect [7]. There are some problems that teachers and students may encounter. The topics include the following:

6.1   Browser Compatibility Issues

It is well known that the compatibility of Web browsers is very low. Developed web programs can run on one browser, but not necessarily on the other browser [8]. The problem is that the previous specifications are not uniform, or no standardization caused. Html 5 appears to solve this problem, but in view of the current development trend, the problem still exists [9]. If we want to solve this problem fundamentally, there is still a long way to go.

6.2   Grammar Documentation is Not Rigorous

Html 5 version before Html 5, the structure of the document is not clear, such as the <div> element, too much use of the element will cause the program cannot distinguish between the text and title [10], that cannot see the document structure. Html 5 is a good solution to this problem, but it is also compatible with the syntax of the previous version of the reason, the new syntax and the old syntax can be used, coupled with the high degree of freedom of grammar [11], if not in accordance with a uniform standard is very easy to write Cause the program readability is low, non-developers cannot understand the situation [12].

7   Conclusion

Although the current development of Html 5 is still far from the expected goal, it is an indisputable core course for the university's current network-related direction. Teachers in colleges and universities cultivate students' interest in Html 5 online courses and enrich their own networks Knowledge, and targeted education of students related to the network of professional skills, improve students' ability to network development, training a group of professionals with computer application talents to meet the needs of employment [13].

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