

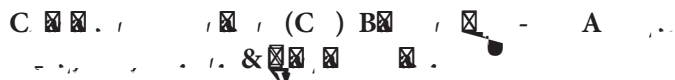


Open Access Scientific Reports

Research Article

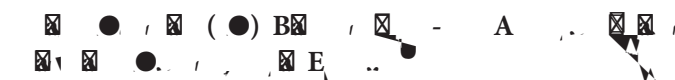
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that is related to the contents that the surfer is interested in viewing or listening, such a class lecture at a university, in our case. For example, the surfer can purchase a HD DVD to supplement the low Res Google Video.



The Character Generator (Green) Banner URL-Tel Ad provides the instructor with the flexibility to re-color the image of the character. The instructor can change it from the current Green to a variety of other colors that better fit the background, such as Red, Blue, Purple, Yellow, etc. Likewise, the instructor can change the font size from average, to small and large, depending on the background space availability, or simply turn it off, all together. In addition, the instructor or the controller of the camera can move the banner ad, from the very top of the screen, the current position, down the screen, in multiple positions, all the way to the bottom of the screen. It is important so that the banner ad, does not cover an important object, hindering the view of a student who is trying to write down the blackboard instructions.

Most importantly, this CG Banner Ads, can be sold in increments of minute by minute, so if many sponsors are interested in funding such activity, each sponsor can get a few minutes of exposure at different rates, and in different times during the lecture. For example, the rate for the beginning of the lecture, when most viewer are still awake, can be much more expensive, then the last minutes of an accounting lecture, when most viewers are sound asleep, especially if they are watching it from bed, before they go to sleep.



Unlike CG Banner ads, Image Overlay (IO) Banner URL-Tel Ad has to be loaded prior to starting to shoot with the camera. It makes it static and less flexible, in a way. On the other hand, since the instructor, rather than the manufacture of the Character Generator, controls the image, the instructors have the full Green Screen capability to structure the image as they please. Thus, the image can be almost transparent or entirely transparent to the naked eye, like Water Mark, it can contain Special Effects, and provide for subliminal ads, that the user may not even be aware of. Of course this poses all kinds of ethical and legal issues, which are beyond of the scope of this study. For now, we would like to stress the operational facet of this research leaving the other issues for future research. It may also restrict the sponsor sales to one single ad per camera turn-on. Plus, it requires the instructor or the institution to prepare the images prior to the beginning of the camera shooting, and load the image overlay before the shooting starts. Thus the stream of revenues maybe lower and the added work requires more time and effort.



The UPPER CASE White Real-Time Captions Synchronized with the Video Playback is very effective for ADA compliance of deaf that cannot read sign language. The captioner, human or machine, adds the captions in real-time, without sufficient time to edit and correct mistakes. Therefore, the quality may suffer for the sake of minimizing the time to market and the sub-second delay between the voice and the caption, as well as real-time translation, if such is available. It is

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A common mistake among incompetent IT (Information Technology) staff is to go to the extremes, of either prohibiting any access to the internet's WWW beyond a simple browser access. In such a restrictive environment, users, such as professor's doctors may not be able to upload videos and DVD to an internet site. Thus, they may not be able to perform their job optimally. On the other hand, the

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| Microsoft | history | | | |
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| Effect on Profit | history | | | |
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| Functional Income Statements | history | | | |
| Deleted | | Jun 8 2006 | PX00Z79ZV7 | Install nero6 bundled |
| with Sony DVD Direct | history | | | |
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| Applications | history | | | |
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| Deleted | | Jun 5 2006 | PX00ZC5A4C | (305)DVD- |
| Course.Com_(888)DVDAuthorEd.Com_DVD_Autoring_Burning_Publishing_Web- | | | | |
| CASTING_Streaming_and_Podcasting | history | | | |
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| Continuity and Disaster Recovery Remote DVD-Server Burner (888)ISITJournal.com Evaluate | | | | |
| the adequacy of backup | history | | | |
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| Continuity and Disaster Recovery, Evaluate the adequacy of backup and restore provisions to ensure the | | | | |
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the ROI (Return on Investment) and offsetting some of the costs of such services.

We deploy automated transcription software, such as Dragon Naturally Speaking (DNS), to further reduce the cost of a human transcriber. Of course, the quality of software transcription right now, is still inferior to a professional human transcriber, but the cost is disproportionately lower, even if we add an outsourced human transcriber and editor to the mix. What we are doing is using DNS for the initial transcription recording, while also Skype-cast the lecture using VOIP (Voice Over IP) for free telephone transmission to outsourced human transcribers and editors in China, India and Pakistan, to supplement DNS. Such outsourced transcribers, transcribers and editors, reduce the costs by about 90% while reducing the quality

www.DVDU.Org is is 888 DVDU.org or CPE1.Org, whichever is available.

C... E... D...
B... X...

So if it's a telephone device that can surf the Internet like some of the PDA phones, the student can click on it, it will port them to the website and simultaneously dial the 800 IBM number so they can order stu from the web. All the commissions will go back to the university and the professor to fund this payroll process -- whole process. So this is why it's important from an additional revenue standpoint. at's

with the captions for you. So you don't have to use that. This is the point I was trying to explain. This system will be much more robust, so if the computer doesn't work, there will be no way that everything will not work at the same time.

And also here you need Internet connectivity

Right. Here you don't.

So sometimes when the Internet goes down --

David: This will just be to broadcast

THE PROFESSOR: but many times you will want to broadcast. But at least you will have backups on DVD backup also on a hard drive

A: This is a Wi-Fi device. Our hard drive has Wi-Fi connectivity. This means we can upload or broadcast from here without a computer just in the event that all the computers don't work, we can go directly from this device to the Internet without having a computer.

>> So we're trying all different methods here. That's why we need backup and recovery methods.

>> And this device can broadcast. This is a Wi-Fi device. Our hard drive has Wi-Fi connectivity. This means we can upload or broadcast from here without a computer just in the event that all the computers don't work, we can go directly from this device to the Internet without having a computer.

>> So we're trying all different methods here. That's why we need backup and recovery methods.

A: This is a Wi-Fi device. Our hard drive has Wi-Fi connectivity. This means we can upload or broadcast from here without a computer just in the event that all the computers don't work, we can go directly from this device to the Internet without having a computer.

In the event that the university is submerged in water due to a flood, students and professors resume classes from alternative predetermined locations around the world. Participants in the course, professor and students provide an alternative address, far away from the present potential disaster area, to resume classes.

This system is good for backup and recovery. It's good for archiving. Also think about the example of Katrina, Tulane University was out of commission for a semester. What happens to their students? They don't want to lose those students because if they transfer to another university, they may just decide to stay in that university. Here I can capture those students and say: At least take those classes that you had last semester. They are on, they are archived, those classes. Because a lot of times they were dispersed also to faculty members. You can do it for short periods of time and use it for continuity measure. So in disaster recovery and continuity, you can perform just as well."

A: This is a Wi-Fi device. Our hard drive has Wi-Fi connectivity. This means we can upload or broadcast from here without a computer just in the event that all the computers don't work, we can go directly from this device to the Internet without having a computer.

ADA - C
D. B

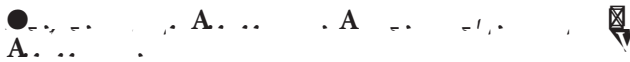
">> is is another issue that I wanted to explain to you. Right now universities are saying: What do I care about these ADA people? I'm going to do the minimum that I need to do with

the same kind of assessment can apply to any academic or training course.

As we reveal the source code, we can see the Java script statements, following are some examples: the "<noscript>" statements is setting up the Font Color, "<h3>Javascript not enabled</h3>". Then, the "</noscript>" terminates the previous block of code. The "<script language='JavaScript'>" script language statement declares Java as the script language.

The following statements demonstrate the Java script If statement syntax:

```
if (navigator.appName.indexOf("Netscape") >= 0) {
    if (parseInt(navigator.appVersion.charAt(0)) < 4)
```



As we can see the output of this assessment show the "Name: University of Miami," the "Score: 1 / 3 points (33%)" and the title of this assessment: "1SecurityPolicyVideoAssesment." The assessment proceeds with the type of question being "True/False," Indicate whether the statement is true or false. Following is the "Narrative for .112~ Service Provider documented security policies, standards, plans and procedures are available for review." Following is the correct answer: "T," the score of this correct answer: "1." and the narrative of the 1st question ".112~ Service Provider documented security policies, standards, plans and procedures are available for review."

Likewise, it shows the "ANSWER: T," and the rationale "Rationale for .112~ Service Provider documented security policies, standards, plans and procedures are available for review." The assessment then show the "POINTS: 1 / 1," etc.

Screenshot 5 shows the Expert Video thumbnail it will displays the message: "movxxxx.mpg. When we place the cursor on the thumbnail it displays the message: "movxxxx.mpg. After pressing the [Score of 1/3 points (33%) for Compliance with Security Policy Video Assessment Internal Control Requirements calculated a per completion of this survey assessment. After the users press [check your work] button the assessment calculates the score.



"So this is a video, and you see the little advertising promotion there or sponsor" (305)OnTrial.org, "which is advertising a telephone number and website," URL. "You can see that this video will have captions too. And just for the sake of speed, let's go to the end. We are going to skip the last two questions. Close the video. And go to the end.

At's more questions that we will skip on purpose. Notice that at the end there is a button check my work. You click on check my work and it will tell you -- leave the message for a second. It will tell you, you did not complete blah, blah blah. We know, say okay. And it will give you your grade. Go to the top and see that our grade is 33% out of 100. Now know when we go to the end it has also remedial information so there is another hyperlink that will explain to you if you click on it -- and I took out the video, so if you click on it, it will not play the video because I didn't have space on my server. But it will play another video that explains to you why it is important.



"In this case it deals with the SOX that are Sarbanes Oxley

compliance. This is a" part of a computer auditing class and test of compliance with internal control procedures for an IT (Information Technology) audit requirements. But, "it will apply equally to any test. The hearing impaired students can take this from an SD (Secured Digital) card. Put the SD card inside the telephone, listen to the lecture, then take the test and when he's done with the test you see that the score was 33%. He can either gain connectivity from the phone and upload this to the server or take the SD card and connect it to a computer and upload the score to the server this way and do his quiz and homework that way off of a phone. And that is an example of a test that will be generated pretty much automatically off of the videos of the class."



"The way the program works, it takes the text that the captioner produces, it parses the text, and it finds statements in the text that the instructor said during the class -- and it makes" a "true/false questions out of it. It takes the statement as it is and then" it "becomes a true/false question, whose answer is true, and then it reverses it, and it makes out of that a true/false question whose answer is false."

The program then sorts the True/False (TF) question that are True (TFT), and TF questions that are F (TFF) and creates Multiple Choice (MC) Questions out of them. The program combines 3 TFT into 1 MC for which choice D All of the above is the correct choice. In this way the program creates a bunch of MC for which choice D "all of the above" is the correct answer. In contrast, the program picks the TFF, and forms from them more MC for which the correct answer is the last choice E "None of the above." In similar manner the program creates an objective test bank very quickly and totally automatically.

This is the way that it automatically builds up a test, just from the text that the captioner types in. And then of course in India they can take it and already edit it a little more and make a more sophisticated test. But that already costs more money and takes longer. But you saw an example and demonstration of the test that we were talking about.



Obviously, minimizing the cost and maximizing the revenue is a simple formula to maximizing the profit, the "devil may be in the details." The details of the trade-offs between cost and quality, the higher the quality, the higher the cost may be. Or, alternatively, the lower the cost the lower the quality may be. The trouble is that as we reduce the cost, approaching a marginal cost of zero, so may the quality go down to a point that the entire project is entirely useless, due to the quality being so low. Marginal cost is the difference in cost between 2 levels of activity. For example, if the cost is a fixed cost such as rent, then the marginal cost is equal to zero, due to the fact that the cost of the rent does not differ among various levels of activities, within a relevant range. For example, if we pay \$100 to rent a hotel seminar room plus a speaker, and host 10 people and \$20 a ticket, our profit will be 10 people * \$20 = \$200 less cost of \$100 producing a profit of \$100. If we raise the level of activity to 15 people, within the relevant range of 50 people (maximal capacity of the room) our marginal cost will be zero, and our profit will grow to 15 people * \$20 = \$300 less cost of \$100 producing a profit of \$200.



the turn-around time of producing the contents of the captioned

Citation: Rushinek

4/16/2008 for this CIS (Computer Information Systems) course, this is part of Computer Information Systems Course about web technologies development. **

The legal and ethical issues are beyond the scope of this study, as we are focusing on the operational, technical, technological and the ROI issues. For now, these issues are challenging enough, in the near future many of our issues will be resolved, making it a mass market appeal. At that time, users will have to deal with the legal and ethical issues that this study raises. But for now, since nobody else but us, is using these combination of applications and integration, we do not have to worry about a mass market appeal and its related problems.

* This is an example of a transcript without time codes. It was created as a Word Document.*

** NOTE: This is a text file that was produced by a real-time captioner to ensure effective communication for a person who is deaf or hard of hearing. This file is not a certified, verbatim record, and it should not be quoted as such; nor should this file be distributed without appropriate authorization. 4/16/2008 CIS, this is part of Computer Information Systems Course about web technologies development. **

As Lee Leowitz (2008) describes the current state of art of the captioning, subtitling and real-time transcription is still way too expensive for the average institution, despite all the new media and new technologies. Following are Lee's descriptions:

"In recent years, emerging technologies has paved the way for Internet captioning to become available to individuals who wish to take advantage of new developments. Internet captioning is the combination of Internet videos with captions that can be read in any language. This project was completed to examine the methods in which Internet captioning could be conducted as well as an examination of the costs involved in providing the service. Internet captioning required the use of technical equipment as well as a stenographer. The costs of operating the technology were relatively small and could be utilized as a method of access for ADA compliance. Internet captioning is being developed in its current state to be expanded when federal legislation

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The use of internet captioning can be combined with other specialized equipment appearing on the market today. For example, security cameras have become highly developed that they often have their own web servers. If a security camera is in the classroom, a cell phone may be used as a remote to control the angles that the camera is pointing. Additionally, captioners may be able to intercept a video signal from the security camera's IP address and caption the video with open subtitles. As new advances are made in technology, new and innovative uses of this equipment will continue to arise.



After producing live Internet video with captions, there was plenty learned that could be applied to future development. The main realization from this project is the potential for future development of access for disadvantaged individuals over the Internet. Below are some recommendations based upon the project for future development:

1) Require regulations regarding Internet Video Captioning

As noted earlier, the government currently does not require captioning on Internet videos. By forcing the government to enforce regulations on Internet videos, the market for Internet captioning can be opened exponentially. Forcing the government to consider legislation will require awareness from a variety of groups: the media, non-profit organizations assisting the disabled, educational institutions, and individuals themselves. The government has the power to open the internet captioning market, just as they did with television captioning.

2) Streamline hardware

As noted in the project, one of the cons was the amount of equipment needed to make the transmission. Using compatible hardware and software can eliminate many pieces of unnecessary equipment. If the video recorder is digital, then utilize a digital encoder and high powered computer that can control all the activities of the transmission and be able to handle the high volume of data streaming into it as well.

3) Make hardware/software compatible with each other

Many of the different aspects of the hardware/software were incompatible with each other. For example, the encoder and converters