Criterion A: Planning

Introducing The Client

(Mr) Nicholas Verrill is a History teacher at my school. He is also the facilitator for Tiger Watch Global Concern. Tiger Watch is a charity club at UWC that supports the conservation of Tigers in Ranthambore National Park, Rajasthan, India. His GC currently has over 20 members (including me) who are all very passionate about its goals.

The Problem

Tiger Watch GC currently fundraises for Ranthambore National Park by selling merchandise (such as clothing, blankets, toys etc). However, as stated by Mr Verrill in his emails which can be found in Appendix 1, "*it is difficult for the GC to sell enough to make a profit for tiger welfare due to the fact that fundraising events do not occur on a regular basis*".

Rationale For The Solution

Nicholas Verrill, along with his GC group, have requested a Tiger Watch website that will overcome these difficulties and will allow the GC to gain enough funds to send to the national park for tiger conservation. The client is interested in a website that allows users (parents and other relatives of students at UWC) to easily buy products even if there is no fundraiser event at the time. This will allow enough profits to be gained to be sent for the cause. The client and the GC group were interviewed (refer to email transcript in Appendix 1) in order to highlight some of the main drawbacks of the previous website (Wix.com) they were using. As stated by Mr Verrill in our initial meeting, "*Wix.com has been hard to work and adjust to*". Below is a list that Mr Verrill outlined, including more problems with using Wix.com:

- Could not allow multiple GC members to access the website
- It was not easy to add new products to the website.
- Did not allow us to list the sizes of products available.
- Hard to design the website in a way that aligns with our Global Concern's mission

Rationale For The Software

JavaScript and HTML5's specialised functionality will help create a website with the tab pages and utilities required by the client. With the additional use of Java servlets and JavaServer Pages (JSP) the website can generated by the server programs, allowing users to enter the website and order their chosen items. JSPs are standard technologies that can be easily deployed or arranged on different web servers to allow for tailored access. This software can easily be scaled up to accommodate for more users.The use of a database (MySQL) will allow the categorisation and display of all the Tiger Watch products including their photos, colours and descriptions. This "full-stack" solution of technologies is particularly good as it will allow the creation of a fully functional website that accomplishes all the goals of the client and GC members.

407 Words

Success Criteria

The system must include:

1. A *Home* page with information about Ranthambore National Park and Dhonk.
2. An *About Us* page with information and photographs of all the GC members.
3. A *Contact Us* page with all the GC members' emails in order for users to contact them to know the status of their order.
4. A *Products* page that will showcase all the products with pictures and information about them.
5. Images displaying each product alongside its name on the *Products* page.
6. A form at the end of the purchasing process that confirms the user's order.
7. A function that emails the user about the products purchased.
8. A well organised database of all the products, their prices, availabilities and sizes if applicable.
   a. A database makes it much easier to add and delete new products.