

Work Report

(29/07/02 – 04/08/02)

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During this period, I continued my work of last week and make some progress. The achievements of my work were detailed as following:

1. For the application part, I added some new functions to the application. When opened a recording file, the application would mark the bones through different color. This function may help user to distinguish the bones recorded from the bones that don't have recording information. I designed two different colors for the bones. After the user add a record to a bone, the bone's color will automatically change in the 3D representation of the whole skeleton. At the same time, I began to test the functions of the application and mended some bugs of these functions.
2. For the website part, I met the problem of the security restriction of the Applet. Following the instruction of my superior – Dr. Steve Maddock, I began to look around the tutorial about the Applet technology in the Sun Company's website. The security restriction of the Applet includes two areas: reading other files and writing other files. Through reading the tutorial, I found the method to work around the first area. I made use of the java.net package of the JSDK and create the link for each file that I want to read in the Applet. The Applet may read a URL file when it cannot directly read a file on the host that is executing it.
3. For the second area of the security restriction, I found three ways to work around it in the tutorial. The first way depend on the SOCKET communication. The second way need to write some SERVLET programs and make these programs to write files and return result to the Applet. The third way is similar to the second and the difference is to write some JSP pages instead of to write some SERVLET programs. But the idiographic manipulating progress of each way is not clear for me. Therefore, I will continue to check the tutorial about this in the internet and then decide which method is better for this project.