Defect Log - Matthew A. Crist

Date	Phase	Fix Time	Description
Jan 18, 2013	Networking	60	IP resolution cannot occur in ACL2 unless a network drive is mapped, after which you can call it by its network path. Networking drives may be our resolution to this issue.
Jan 29, 2013	Conception	150	ACL2 cannot work with a GUI and IO at the same time. Had to reevaluate how to salvage what we had regarding design. Instead of real time chat, we would be sending email. Instead of ACL2 interfaces, we would program them in C or C++.
Jan 31, 2013	Application Support	90	Unable to get Proofpad to work correctly on any of my computers. Windows 8 and Ubuntu both show NullPointerExceptions when trying to implement ACL2 and Proofpad will not correctly identify with ACL2. Opted to use Dracula instead.
Feb 3, 2013	Conception	150	Determined that the size of the executables generated by ACL2 would not be a practical application for our program. Opted to use input redirection into ACL2 prompt and shell script invocation. Ubuntu would be the server platform and the two Macs would be used as clients to send and recieve information.
Feb 5, 2013	Personnel	15	With the loss of Isaac from the team, modules had to be prioritized for completion and new due dates had to be set. Determined that I would need to finish the XML Parser as quickly as possible to begin development in order to maintain deadlines.
			Made the decision to allow shell scripts to take care of much of the IO on the read side as possible and file operations would need to be done by the OS in order to keep correct RWE privs on the file for security purposes.

Feb 15, 2013	Coding	10	CHMOD properties will need to be determined at a different date, since access to store files has not been completely determined. Best guess is that server will be the only one that needs read/write access to these files and no user group will need execution access.
Feb 19, 2013	Coding	20	Issue arose when parsing XML tokens that the whitespace in the document was being identified by
March 4, 2013	Personnel	45	Has to reconsider a new "plan of action" with regards to completion of the project. Current methods seemed to archaic for the current situation as we were unable to adapt due to the relaince on people. Opted for a RAD development solution where SCRUM and Extreme Programming were the foundations for development. Will need to explicitly sit down and speak with team to describe the course of action. Developed a visual aid to describe where we are and what is completed. There seems to be more questions on this as opposed to the completion of the project.
March 13, 2013	Coding	20	Was not able to get email to write to the server. Determine that it was an issue that the directories did not exist, thus the information was not being written properly by the ACL2 script, which was a difficult thing to determine since acquiring error information from the runtime environment would only be possible if we wrote the error to an output log. Determined that I would need to finish the registration process by adding directory creation to the shell script in order to make this function correctly. Until then, we can manually create the directories.
March 23, 2013	Coding	35	Type checking for string-listp on XML conversion in the server actions was incorrect. Was using endp and stringp tests, when combined I could use string-listp, which ended up being the

			required fix and not having to turn off guard checking.