

Client Meeting #2

Background Research

ROCKTEST

- Done with X11 – extremely difficult to program/use for project
- Written in Python using the TkInker GUI library
- Allows contestants their choice of several programming languages (BASIC, C, C++, FORTRAN, Java, Pascal, and Python)
- Grading system- they used paper submission/grading slips
- Open source

Secure Programming Contest

- Online judge system
- Capable of arranging simultaneously a contest in a real-time environment
- NetJudge
- System works with C#, C, C++, Java and Pascal

DOMjudge

- Automated judge system
- Provide (web) interfaces for teams and judges
- Must download to use
- Open Source

PC2

- Allows teams to submit programs over a network
- Judges are able to see the source code
- System automatically time stamps
- Maintains and displays current contest standings, and retrieves archived runs
- Internal scoring database

Project Details and Issues

For communication:

- Darren Lim would like to be able to broadcast a message to all teams as well as one-on-one
- Database could be used

Possible project

- Web-based?
- If so-learn jquery
- W3schools.com – tutorials
- Applet for now
- Include database
 - To have contest history(including scoreboards) as well as information about current and past teams

For General Project:

- make sure that our project accepts AT LEAST java
- make sure that whatever languages we choose to accept, we must think about what problems that might pose for multiple operating systems
- judges must be able to bring up teams' code to look at
- avoiding crashes and taking safety measures for fault tolerance

-at least handle local contest with at least 30-40 teams with each team submitting one answer from one computer

Expectations of Software Plan

Include annotated bibliography/appendix within software plan and how it's applicable

Why use our software? Including any way that our project is better

GET all hardware and software specs

Once we have a good idea in terms of software and hardware, we can start creating model of our development environment (UML deployment diagram)

JOLT- java online learning toolkit – system made 2 years ago-look it up. (this also had an excellent version of UML diagram in their requirement specification document)