



GUI and result handler for embedded test framework - Lund

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Test & Verification Services is a division of Cybercom, which offers services in development and testing. We're working for example with embedded systems, both in development and testing, communications, test applications and test management. We are known for excellence and we like the technical challenges that we face daily. Right now we are looking for you who want to write your thesis on Test and Verification Services in Lund during the summer or autumn 2011!

Description of assignment: The main task is to continue and finish an existing program by applying programming and skills within embedded systems, communication systems and usability. The existing program is a user interface for execution and presentation of tests done in Python. The tests are executed in a framework for embedded products.

The program should implement user management towards an existing database. The interface is supposed to execute test script and present log prints etc. The system should also be able to handle documentation and the results generated by the test scripts. The results are stored in XML format to enable further processing.

There are existing programs on the market which are implementing similar solutions. An introductory study of these programs will be used to see how similar solutions are implemented.

Requirements: Handling of requirements is an important aspect in order to satisfy the existing test processes and demands. There will be a continuous analysis and evaluation of the program from a user point of view throughout the development phase. The choice of design is free but must satisfy the demands. The thesis worker should find a scalable solution which enables an expected expansion of the system. Solid documentation of the work process and program will be necessary due to the future development.

Scope: 1-2 people depending on the number of features.

Keywords: *Python, Java, XML, GUI, multithreading, cross platform compatibility (Windows / Linux)*

Level: *Thesis worker*

Department: Test & Verifications Services

Position: Student

Skills

Methodology : System design, software testing

Techniques: Good programming skills, Python, XML, Java, Linux

Education: Master of Science in: Computer Science and Engineering, Engineering: Electrical Engineering, Systems, Engineering: Infocom

Experience: You have very good ability to analyze and identify the need for an existing system and being able to understand existing code. You are passionate about programming and have a good understanding of XML. Experience of programming in Python and Java is desirable.

Personal qualities: As a person you are committed and thorough in your work. You're challenged and grow when you have great personal responsibility in a work environment where communication and lack of prestige are central concepts.

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Please submit your application on the link below! For questions, contact Helen Eriksson via email helene.eriksson@cybercom.com. Looking forward to hear from you!

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