

We can help you

- Improve your product image
- Increase your software quality and reliability
- Increase your competitive capabilities
- Obtain more information for making decisions.

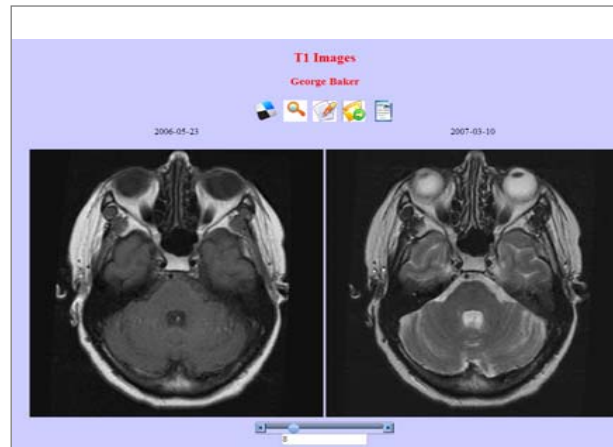
We provide

- General programming
- Web application design
- Technical programming
- Database consulting

Technical Tools

Java, AJAX, Dojo, JSON, JSPs, Derby , Access, MySQL, DB2, PHP, Eclipse, Apache, Tomcat, LAMP.

James W. Cooper has an A.B. degree from Oberlin College and M.S. and Ph.D. degrees in chemistry from Ohio State University. He has been on the Editorial Board of the Journal of Magnetic Resonance, and a Contributing Editor to JavaPro magazine. He gave lectures on Design Patterns at the JavaOne and OOPSLA conferences and spoke frequently to student groups as part of IBM's Java Train lecture series. He also developed the Computers in Chemistry program at Tufts University, and managed a multinational software development effort at Bruker Instruments (Billerica, MA).



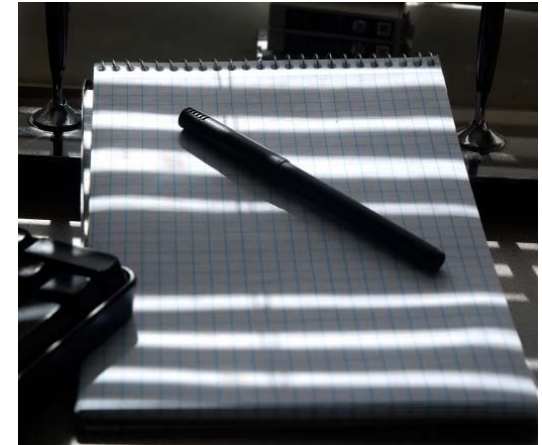
Lab Software Associates provides software architecture design and consulting services. We provide expertise in graphical web clients and Java and PHP servers, utilizing any of a number of well-known databases.

To get started, call for a free initial consultation.

James W. Cooper, Ph.D.
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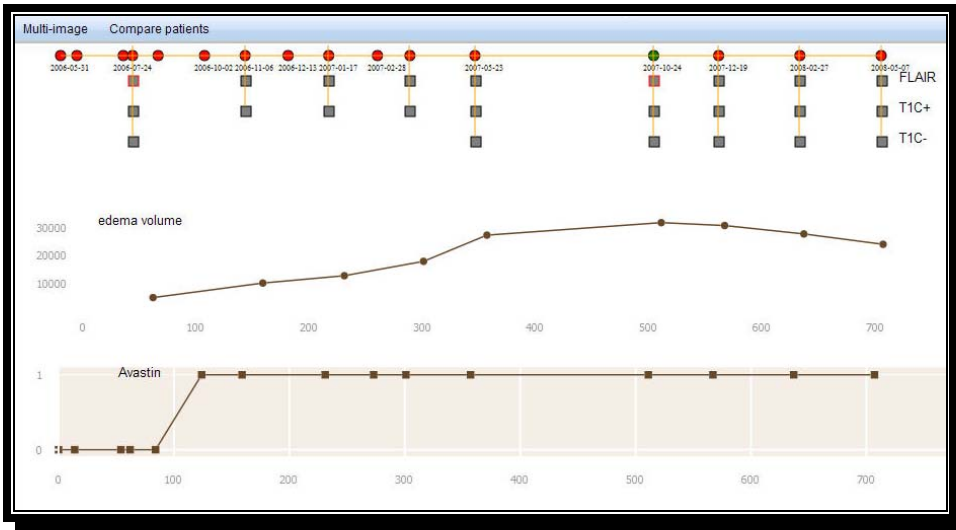
Lab Software Associates

Software Architecture



Lab Software Associates provides expertise in Medical and Text Analytics. We specialize in finding unique web-based visual solutions for representing data in your business or technical systems.

www.labsoftware.com



A lightweight browser-independent web client developed for a medical informatics project.

We have extensive experience in Medical and Text Analytics, and can construct systems for analysis of technical text documents, such as clinical reports, lab reports or customer logs. The document to the right shows our ability to find diagnoses, sites and drug dosage information as well as terms from ontologies, such as Radlex.

Chief Complaint/Reason for Visit
[Glioma.](#)

History of Present Illness Mr. BrainTumor2 is a 44-year-old gentleman who developed a **right thalamic glioma** in early 2002. He was treated with radiation and chemotherapy. He had a decrease in function after this which was felt to be secondary to radiation **necrosis**. He was treated supportively with steroids and improved. He remains off of steroids at the present time.

Since he has last been here, he has started working. He is working as a cashier at McDonald's 2-1/2 hours per day three days per week.

Clinical Diagnosis and History:

Current Medications
[Lipitor 80 mg per day.](#) [Atorvastatin](#)
[Aspirin 81 mg per day.](#)
[Vicodin approximately one per day.](#)

Lab Software Associates helps you find novel visual solutions to your web-based systems. We work with you beginning by determining a well-defined vision, goals and requirements.

- Active stakeholder participation is required to assure a successful project.
- Joint development, testing and continual feedback to assure success.

Our successful project with you will include:

- Training your staff in the techniques we employ.
- Thorough user and technical documentation.

We are specialists in object-oriented programming solutions using Java servlets, JavaScript clients and Ajax.

We excel in building custom web applications based on Java frameworks and open source tools, including Eclipse, Derby, MySQL, PHP and Dojo.

James W Cooper advises chief information officers (CIOs) and small businesses on medical analytics and related web architecture and design. He holds 8 software patents and is the author of 15 books on technical software issues. In addition, he is well known as a lecturer and author on software Design Patterns and was a columnist for *JavaPro* magazine for 5 years. He spent 20 years doing research at the IBM T J Watson Research Center in Yorktown Heights, NY.

In a recent project in Medical Analytics he was a member of a cross-institutional team with faculty from Columbia University and Columbia-Presbyterian Hospital to develop a prototype client server system for the analysis of the temporal evolution of symptoms in brain tumor patients. The resulting system was used as a central part of an NIH grant application.

Dr. Cooper combines his corporate and academic background with entrepreneurial experience, founding Lab Software Associates, a software development and web consulting firm, in 1985.

