DESCRIPTION
VMMLib is a small open source vector and matrix library for OS X, Linux and Windows, written in C++ using templates. It is hosted on sourceforge.net and is licensed under the BSD license.

The goal of this project is to add new functionality to the library, to write unit tests for the whole library and to add and improve comments for Doxygen. Additionally, one or a few example programs should be developed to allow new users to quickly get a grip on VMMLib.

New Functionality
- Quaternions and n-dimensional Vectors and Matrices
- Advanced functionality: Gram-Schmidt Orthogonalization, Gaussian Elimination, LU Decomposition, Jacobi, SVD, PCA...
- Usage Examples

Unit Tests
- Write Unit Tests using CPPUnit (an open source project similar to JUnit).

Documentation
Doxygen is a open source framework to automatically generate API docs from source code. Existing comments should be ‘doxygenised’, and previously uncommented methods should be commented. Additionally, a basic user guide should be written, based on the usage examples.

WORK LOAD
40% Theory, 60% Implementation

CONTACT
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