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| **Document title** | **MATHMARKUP** |
| **Document reference number** | **UEL -** |
| **Project name** | **UNISA e-Content 20140363** |
| **Unisa Department** | **Department of Economics** |

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Document sign-off

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Revision history

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| --- | --- | --- | --- |
| Revision | Compiler | Purpose | Change Summary |
| <yyyymmdd> | Name Surname | Document Created,  Internal Review,  External Review,  etc | Initial release,  Updates based on internal review,  Updates to section xxx,  etc |
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# Description of component

This component uses FMath to implement both Latex and MathML functionality of the UNISA E-Content Solution project. FMath is a library that has support for Java, C++, JavaScript and Flash. The Java implementation of this library will be used for the creation of mathematical formulae on UNISA E-Content Solution project. The MathML or LaTeX mark-up is then persisted in to the database and later retrieved from the database as an actual formula with the help of MathJax API which provides CDN that automatically translate the mark-up to an actual formula.

# How to Implement Math-Markup Editor

The Java support of FMath will be used on the UNISA ESC project. Grab the JAR file from the FMath official website <http://www.fmath.info/> or the relevant maven repository. Include a maven dependency in your pom or include the JAR in your project class path to use the relevant provided to implement MathML or LaTeX.

# How to use Math-Markup Editor

The Java support of FMath will be used on the UNISA ESC project. Grab the JAR file from the MathMarkup repo or the on the relevant maven repository. Include a maven dependency in your pom or include the JAR in your project class path to use the relevant provided to implement MathML or LaTeX.

Appendix A

For Appendices use the style “UEL Appendix”