

xLength: unsigned int vLength: unsigned int internalArray : std::vector<templateClass> Array2D() + Array2D(dimensions : unsigned int) + Array2D(xLength : unsigned int, yLength : unsigned int) + Array2D(other : const Array2D<templateClass>&) + Array2D(other : Array2D<templateClass>&&) + Array2D& operator= (other : const Array2D<templateClass>&) + Array2D& operator= (other: Array2D<templateClass>&&) + ~Array2D() + operator() (x : unsigned int, y : unsigned int) : templateClass& + operator[] (x : unsigned int) : templateClass* + at(x : unsigned int, y: unsigned int) : templateClass& + at(unsigned int x) : templateClass* + getArraySizeX() : unsigned int + getArraySizeY() : unsigned int + initAllValues(templateClass value) : void + isInArray(unsigned int x, unsigned int y) : bool - flatten2dCoordinate(x : unsigned int, y : unsigned int) : unsigned int

<<template>>

Array2D

<<Template>> Array3D xLength: unsigned int yLength: unsigned int zLength: unsigned int internalArray: unsigned int + Array3D() + Array3D(dimensions : unsigned int) + Array3D(xLenght : unsigned int, yLength : unsigned int, zLength : unsigned int) + Array3D(other : const Array3D<templateClass>&) + Array3D(other : Array3D<templateClass>&&) + Array3D& operator= (other : const Array3D<templateClass>&) + Array3D& operator= (other: Array3D<templateClass>&&) + ~Array3D() + setValueAt(x unsigned int, y unsigned int, z unsigned int, value : templateClass) : void + getValueAt(x : unsigned int, y : unsigned int, z : unsigned int) : templateClass + getValueAt(coordinate : sf::Vector3i) : templateClass + initAllValues(value : templateClass) : void · Flatten3dCoordinate(x : unsigned int, y : unsigned int, z : unsigned int) : unsigned int

FileReader + FileReader() + FileReader(reader : const FileReader&) + FileReader(reader : FileReader&&) + FileReader& operator= (reader : const FileReader&) + FileReader& operator= (reader : FileReader&&) + ~FileReader() + createArray2D(inString : std::string, totalRows : unsigned int, totalColumns : unsigned int, delimiter : char) : Array2D<std::string> + readFile(filePath : std::string) : std::string 1..1 1..1 FileManager reader : FileReader* + FileManager() + ~FileManager() + encryptDecryptString(stringToEncrypt : const std::string&, key : const std::string&) : std::string + getFileSize(filename : const std::string&) : size_t + getFileHash(filename : const std::string&) : size t + getHash(toHash : const std::string&) : size t

