

FactDev

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Contents

1	FactDev documentation	1
2	README	3
3	QTestRunner	5
4	Namespace Index	7
4.1	Namespace List	7
5	Hierarchical Index	9
5.1	Class Hierarchy	9
6	Class Index	13
6.1	Class List	13
7	Namespace Documentation	17
7.1	Databases Namespace Reference	17
7.1.1	Detailed Description	17
7.2	Gui Namespace Reference	17
7.2.1	Detailed Description	18
7.3	Gui::Widgets Namespace Reference	18
7.3.1	Detailed Description	18
7.4	Models Namespace Reference	18
7.4.1	Detailed Description	19
8	Class Documentation	21
8.1	Gui::Dialogs::AddProjectDialog Class Reference	21
8.1.1	Detailed Description	21
8.1.2	Constructor & Destructor Documentation	22
8.1.2.1	AddProjectDialog	22
8.2	Gui::Dialogs::AddQuoteDialog Class Reference	22
8.2.1	Detailed Description	23
8.2.2	Constructor & Destructor Documentation	23
8.2.2.1	AddQuoteDialog	23

8.2.3	Member Function Documentation	23
8.2.3.1	getNumber	23
8.3	Models::Billing Class Reference	23
8.3.1	Detailed Description	25
8.3.2	Constructor & Destructor Documentation	25
8.3.2.1	Billing	25
8.3.3	Member Function Documentation	25
8.3.3.1	addContributory	25
8.3.3.2	getContributories	25
8.3.3.3	getDataMap	25
8.3.3.4	getDate	25
8.3.3.5	getDescription	26
8.3.3.6	getNumber	26
8.3.3.7	getTitle	26
8.3.3.8	hydrat	26
8.3.3.9	isBilling	26
8.3.3.10	isPaid	26
8.3.3.11	operator!=	26
8.3.3.12	operator<	27
8.3.3.13	operator==	27
8.3.3.14	setDate	27
8.3.3.15	setDescription	27
8.3.3.16	setIsBilling	27
8.3.3.17	setIsPaid	28
8.3.3.18	setNumber	28
8.3.3.19	setTitle	28
8.4	Databases::BillingDatabase Class Reference	28
8.4.1	Detailed Description	29
8.4.2	Member Function Documentation	29
8.4.2.1	addBilling	29
8.4.2.2	addBillingProject	30
8.4.2.3	getAllBillingsOfProject	30
8.4.2.4	getBilling	30
8.4.2.5	getBilling	30
8.4.2.6	getBillingsTable	30
8.4.2.7	getMaxBillingNumber	31
8.4.2.8	getMaxBillingNumberOfCustomer	31
8.4.2.9	getMaxQuoteNumber	31
8.4.2.10	getMaxQuoteNumberOfCustomer	31
8.4.2.11	instance	31

8.4.2.12	isBillingPaid	32
8.4.2.13	removeBilling	32
8.4.2.14	removeBillingProject	32
8.5	BillingDatabaseTest Class Reference	32
8.6	BillingModelTest Class Reference	33
8.7	Gui::Widgets::WdgModels::BillingsTableModel Class Reference	33
8.7.1	Detailed Description	34
8.7.2	Constructor & Destructor Documentation	34
8.7.2.1	BillingsTableModel	34
8.7.3	Member Function Documentation	34
8.7.3.1	append	34
8.7.3.2	columnCount	34
8.7.3.3	count	34
8.7.3.4	data	35
8.7.3.5	flags	36
8.7.3.6	getBillings	36
8.7.3.7	headerData	36
8.7.3.8	remove	36
8.7.3.9	rowCount	37
8.7.3.10	setData	37
8.8	Gui::Widgets::CheckFields::CheckCity Class Reference	37
8.8.1	Detailed Description	38
8.8.2	Constructor & Destructor Documentation	38
8.8.2.1	CheckCity	38
8.9	Gui::Widgets::CheckFields::CheckCountry Class Reference	38
8.9.1	Detailed Description	38
8.9.2	Constructor & Destructor Documentation	39
8.9.2.1	CheckCountry	39
8.10	Gui::Widgets::CheckFields::CheckEmail Class Reference	40
8.10.1	Detailed Description	40
8.10.2	Constructor & Destructor Documentation	40
8.10.2.1	CheckEmail	40
8.10.3	Member Function Documentation	40
8.10.3.1	check	41
8.11	Gui::Widgets::CheckFields::CheckFieldsLetters Class Reference	41
8.11.1	Detailed Description	41
8.11.2	Constructor & Destructor Documentation	42
8.11.2.1	CheckFieldsLetters	42
8.11.3	Member Function Documentation	42
8.11.3.1	check	42

8.12	Gui::Widgets::CheckFields::CheckName Class Reference	42
8.12.1	Detailed Description	43
8.12.2	Constructor & Destructor Documentation	43
8.12.2.1	CheckName	43
8.13	Gui::Widgets::CheckFields::CheckPhone Class Reference	43
8.13.1	Detailed Description	44
8.13.2	Constructor & Destructor Documentation	44
8.13.2.1	CheckPhone	44
8.13.3	Member Function Documentation	44
8.13.3.1	check	44
8.13.3.2	getCountry	44
8.13.3.3	setCountry	44
8.14	Gui::Widgets::CheckFields::CheckPostalCode Class Reference	45
8.14.1	Detailed Description	45
8.14.2	Constructor & Destructor Documentation	45
8.14.2.1	CheckPostalCode	45
8.14.3	Member Function Documentation	45
8.14.3.1	check	45
8.14.3.2	getCountry	46
8.14.3.3	setCountry	46
8.15	Gui::Widgets::CheckFields::CheckQLineEdit Class Reference	46
8.15.1	Detailed Description	47
8.15.2	Constructor & Destructor Documentation	47
8.15.2.1	CheckQLineEdit	47
8.15.3	Member Function Documentation	47
8.15.3.1	getBtnValid	47
8.15.3.2	isValid	47
8.15.3.3	setBtnValid	47
8.16	Gui::Widgets::CheckFields::CheckSiretNumber Class Reference	48
8.16.1	Detailed Description	48
8.16.2	Constructor & Destructor Documentation	48
8.16.2.1	CheckSiretNumber	48
8.16.3	Member Function Documentation	48
8.16.3.1	check	49
8.17	Gui::Widgets::CheckFields::CheckUntilField Class Reference	50
8.17.1	Detailed Description	50
8.17.2	Constructor & Destructor Documentation	50
8.17.2.1	CheckUntilField	50
8.17.3	Member Function Documentation	51
8.17.3.1	check	51

8.18	Gui::Widgets::CheckFields::CheckValidField Class Reference	51
8.18.1	Detailed Description	51
8.18.2	Constructor & Destructor Documentation	52
8.18.2.1	CheckValidField	52
8.18.3	Member Function Documentation	53
8.18.3.1	check	53
8.19	Gui::Widgets::Delegates::ComboBoxDelegate Class Reference	53
8.20	Gui::Widgets::ComboBoxModelWidget Class Reference	54
8.20.1	Detailed Description	54
8.21	Mustache::Context Class Reference	54
8.21.1	Detailed Description	55
8.21.2	Constructor & Destructor Documentation	55
8.21.2.1	Context	55
8.21.3	Member Function Documentation	55
8.21.3.1	canEval	55
8.21.3.2	eval	55
8.21.3.3	isFalse	55
8.21.3.4	listCount	55
8.21.3.5	partialResolver	55
8.21.3.6	partialValue	55
8.21.3.7	pop	56
8.21.3.8	push	56
8.21.3.9	stringValue	56
8.22	ContributoriesDatabaseTest Class Reference	56
8.23	Models::ContributoriesList Class Reference	56
8.23.1	Member Function Documentation	57
8.23.1.1	setAllIdContributories	57
8.24	Gui::Widgets::WdgModels::ContributoriesTableModel Class Reference	57
8.24.1	Detailed Description	58
8.24.2	Constructor & Destructor Documentation	58
8.24.2.1	ContributoriesTableModel	58
8.24.3	Member Function Documentation	58
8.24.3.1	append	58
8.24.3.2	columnCount	59
8.24.3.3	count	59
8.24.3.4	data	59
8.24.3.5	flags	59
8.24.3.6	getContributories	59
8.24.3.7	headerData	59
8.24.3.8	remove	60

8.24.3.9	rowCount	60
8.24.3.10	setData	60
8.25	Gui::Widgets::ContributoriesWidget Class Reference	60
8.25.1	Member Function Documentation	61
8.25.1.1	add	61
8.25.1.2	getContributories	61
8.26	Models::Contributory Class Reference	62
8.26.1	Detailed Description	63
8.26.2	Constructor & Destructor Documentation	63
8.26.2.1	Contributory	63
8.26.3	Member Function Documentation	63
8.26.3.1	getDataMap	63
8.26.3.2	getDescription	63
8.26.3.3	getNbHours	63
8.26.3.4	getProject	63
8.26.3.5	hydrat	64
8.26.3.6	operator!=	65
8.26.3.7	operator==	65
8.26.3.8	setDescription	65
8.26.3.9	setNbHours	65
8.26.3.10	setProject	65
8.27	Databases::ContributoryDatabase Class Reference	66
8.27.1	Detailed Description	66
8.27.2	Member Function Documentation	67
8.27.2.1	addContributory	67
8.27.2.2	getContributory	67
8.27.2.3	getContributory	67
8.27.2.4	instance	67
8.27.2.5	removeContributory	67
8.28	ContributoryListTest Class Reference	68
8.29	ContributoryModelTest Class Reference	68
8.30	CounterContext Class Reference	68
8.30.1	Member Function Documentation	69
8.30.1.1	canEval	69
8.30.1.2	canEval	69
8.30.1.3	eval	69
8.30.1.4	eval	69
8.30.1.5	stringValue	69
8.30.1.6	stringValue	70
8.31	Models::Customer Class Reference	70

8.31.1 Detailed Description	71
8.31.2 Constructor & Destructor Documentation	72
8.31.2.1 Customer	72
8.31.3 Member Function Documentation	72
8.31.3.1 getAddress	72
8.31.3.2 getCity	72
8.31.3.3 getCompany	72
8.31.3.4 getCountry	72
8.31.3.5 getDataMap	72
8.31.3.6 getEmail	73
8.31.3.7 getFax	73
8.31.3.8 getFirstnameReferent	73
8.31.3.9 getLastnameReferent	73
8.31.3.10 getMobilePhone	73
8.31.3.11 getNameFolder	73
8.31.3.12 getPath	73
8.31.3.13 getPhone	74
8.31.3.14 getPostalCode	74
8.31.3.15 hydrat	74
8.31.3.16 operator!=	74
8.31.3.17 operator==	74
8.31.3.18 setAddress	74
8.31.3.19 setCity	75
8.31.3.20 setCompany	75
8.31.3.21 setCountry	75
8.31.3.22 setEmail	75
8.31.3.23 setFax	75
8.31.3.24 setFirstnameReferent	75
8.31.3.25 setLastnameReferent	76
8.31.3.26 setMobilePhone	77
8.31.3.27 setPhone	77
8.31.3.28 setPostalCode	77
8.32 Gui::Widgets::CustomerContextualMenu Class Reference	77
8.32.1 Detailed Description	78
8.32.2 Constructor & Destructor Documentation	78
8.32.2.1 CustomerContextualMenu	78
8.33 Databases::CustomerDatabase Class Reference	78
8.33.1 Detailed Description	79
8.33.2 Member Function Documentation	79
8.33.2.1 addCustomer	79

8.33.2.2	getCustomer	79
8.33.2.3	getCustomer	80
8.33.2.4	getCustomersTable	80
8.33.2.5	getItemBillQuote	80
8.33.2.6	getItemCustomer	80
8.33.2.7	getItemProject	81
8.33.2.8	getItemRoot	81
8.33.2.9	getNbCustomers	81
8.33.2.10	getTree	81
8.33.2.11	instance	82
8.33.2.12	removeCustomer	82
8.33.2.13	updateCustomer	82
8.34	CustomerDatabaseTest Class Reference	82
8.35	Gui::Widgets::CustomerDataWidget Class Reference	82
8.35.1	Detailed Description	83
8.35.2	Member Function Documentation	83
8.35.2.1	printInformations	83
8.36	CustomerModelTest Class Reference	83
8.37	Gui::Widgets::WdgModels::CustomersTableModel Class Reference	84
8.37.1	Detailed Description	84
8.37.2	Constructor & Destructor Documentation	85
8.37.2.1	CustomersTableModel	85
8.37.3	Member Function Documentation	86
8.37.3.1	append	86
8.37.3.2	columnCount	86
8.37.3.3	count	86
8.37.3.4	data	86
8.37.3.5	flags	86
8.37.3.6	getCustomers	87
8.37.3.7	headerData	87
8.37.3.8	remove	87
8.37.3.9	rowCount	87
8.37.3.10	setData	87
8.38	Databases::Database Class Reference	88
8.38.1	Detailed Description	89
8.38.2	Member Function Documentation	89
8.38.2.1	executeFile	89
8.38.2.2	instance	89
8.38.2.3	lastError	89
8.38.2.4	setDatabase	90

8.38.2.5	value	90
8.39	Exceptions::DbException Class Reference	90
8.39.1	Detailed Description	90
8.39.2	Constructor & Destructor Documentation	91
8.39.2.1	DbException	91
8.39.3	Member Function Documentation	91
8.39.3.1	popupMessage	91
8.40	Gui::Dialogs::DialogAddCustomer Class Reference	91
8.40.1	Detailed Description	92
8.40.2	Constructor & Destructor Documentation	92
8.40.2.1	DialogAddCustomer	92
8.41	Utils::Directories Class Reference	92
8.41.1	Member Function Documentation	92
8.41.1.1	makeDirectory	92
8.42	Gui::Widgets::Delegates::DoubleSpinBoxDelegate Class Reference	93
8.43	Exceptions::FileException Class Reference	93
8.43.1	Detailed Description	93
8.43.2	Constructor & Destructor Documentation	93
8.43.2.1	FileException	93
8.43.3	Member Function Documentation	94
8.43.3.1	popupMessage	94
8.44	Generation Class Reference	94
8.45	Generator Class Reference	94
8.46	Utils::HierarchicalSystem Class Reference	94
8.46.1	Detailed Description	95
8.46.2	Member Function Documentation	95
8.46.2.1	addBillingToProject	95
8.46.2.2	addProjectToCustomer	95
8.46.2.3	getCustomers	96
8.46.2.4	getProjects	96
8.47	Gui::Widgets::CheckFields::!CheckField Class Reference	96
8.47.1	Detailed Description	96
8.47.2	Member Function Documentation	96
8.47.2.1	check	96
8.48	Models::!Model Class Reference	97
8.48.1	Detailed Description	98
8.48.2	Member Function Documentation	98
8.48.2.1	getDataMap	98
8.48.2.2	getId	98
8.48.2.3	hydrat	98

8.48.2.4	isToRemoved	98
8.48.2.5	setId	98
8.48.2.6	setToRemoved	98
8.49	Utils::ItemType Class Reference	99
8.49.1	Detailed Description	99
8.49.2	Constructor & Destructor Documentation	99
8.49.2.1	ItemType	99
8.49.3	Member Function Documentation	100
8.49.3.1	getModel	100
8.49.3.2	getName	100
8.49.3.3	getType	100
8.49.3.4	setName	100
8.49.3.5	setType	100
8.50	ItemTypeTest Class Reference	101
8.51	Utils::Log Class Reference	101
8.51.1	Detailed Description	101
8.51.2	Member Function Documentation	101
8.51.2.1	instance	101
8.51.2.2	write	102
8.51.3	Friends And Related Function Documentation	102
8.51.3.1	operator<<	102
8.52	Gui::MainWindow Class Reference	102
8.52.1	Detailed Description	104
8.52.2	Constructor & Destructor Documentation	104
8.52.2.1	MainWindow	104
8.52.3	Member Function Documentation	104
8.52.3.1	addBill	104
8.52.3.2	addDoc	104
8.52.3.3	addProject	104
8.52.3.4	addQuote	105
8.52.3.5	editUser	105
8.52.3.6	getCurrentCustomerId	105
8.52.3.7	getCurrentCustomerName	105
8.52.3.8	getCurrentProjectId	105
8.52.3.9	getCurrentProjectName	105
8.52.3.10	getCurrentQuoteId	105
8.52.3.11	rootTree	106
8.52.3.12	search	106
8.52.3.13	treeLevel	106
8.53	Gui::Dialogs::MessageBox Class Reference	106

8.53.1 Detailed Description	107
8.53.2 Constructor & Destructor Documentation	107
8.53.2.1 MessageBox	107
8.53.3 Member Function Documentation	107
8.53.3.1 setImage	107
8.53.3.2 setText	107
8.54 Parameters Class Reference	108
8.54.1 Detailed Description	108
8.54.2 Member Data Documentation	108
8.54.2.1 DB_FILENAME	108
8.54.2.2 VERSION	108
8.55 Mustache::PartialFileLoader Class Reference	108
8.55.1 Detailed Description	109
8.55.2 Member Function Documentation	109
8.55.2.1 getPartial	109
8.56 Mustache::PartialMap Class Reference	109
8.56.1 Detailed Description	109
8.56.2 Member Function Documentation	109
8.56.2.1 getPartial	109
8.57 Mustache::PartialResolver Class Reference	110
8.57.1 Detailed Description	110
8.57.2 Member Function Documentation	110
8.57.2.1 getPartial	110
8.58 Utils::pointers Class Reference	110
8.59 Gui::Widgets::Popup Class Reference	110
8.59.1 Detailed Description	111
8.60 Models::Project Class Reference	111
8.60.1 Detailed Description	112
8.60.2 Constructor & Destructor Documentation	112
8.60.2.1 Project	112
8.60.3 Member Function Documentation	113
8.60.3.1 getBeginDate	113
8.60.3.2 getCustomer	113
8.60.3.3 getDailyRate	113
8.60.3.4 getDataMap	113
8.60.3.5 getDescription	113
8.60.3.6 getEndDate	113
8.60.3.7 getName	114
8.60.3.8 hydrat	114
8.60.3.9 operator!=	114

8.60.3.10 operator<	114
8.60.3.11 operator==	114
8.60.3.12 setBeginDate	114
8.60.3.13 setCustomer	115
8.60.3.14 setDailyRate	115
8.60.3.15 setDescription	115
8.60.3.16 setEndDate	115
8.60.3.17 setName	115
8.61 Gui::Widgets::Delegates::ProjectComboDelegate Class Reference	115
8.62 Gui::Widgets::WdgModels::ProjectContributoriesTableModel Class Reference	116
8.62.1 Constructor & Destructor Documentation	117
8.62.1.1 ProjectContributoriesTableModel	117
8.62.2 Member Function Documentation	117
8.62.2.1 columnCount	117
8.62.2.2 data	117
8.62.2.3 flags	117
8.62.2.4 headerData	118
8.62.2.5 rowCount	119
8.62.2.6 setData	119
8.63 Databases::ProjectDatabase Class Reference	119
8.63.1 Detailed Description	120
8.63.2 Member Function Documentation	120
8.63.2.1 addProject	120
8.63.2.2 getAllProjects	121
8.63.2.3 getNbProjects	121
8.63.2.4 getNbProjectsForACustomer	121
8.63.2.5 getProject	121
8.63.2.6 getProject	121
8.63.2.7 getProjectsOfCustomer	121
8.63.2.8 getProjectsTable	122
8.63.2.9 instance	122
8.63.2.10 removeProject	122
8.63.2.11 updateProject	122
8.64 ProjectDatabaseTest Class Reference	123
8.65 ProjectModelTest Class Reference	123
8.66 Gui::Widgets::WdgModels::ProjectsTableModel Class Reference	123
8.66.1 Detailed Description	124
8.66.2 Constructor & Destructor Documentation	124
8.66.2.1 ProjectsTableModel	124
8.66.3 Member Function Documentation	124

8.66.3.1	append	124
8.66.3.2	columnCount	125
8.66.3.3	count	125
8.66.3.4	data	125
8.66.3.5	flags	125
8.66.3.6	getProjects	125
8.66.3.7	headerData	125
8.66.3.8	remove	126
8.66.3.9	rowCount	126
8.66.3.10	setData	126
8.67	Gui::Widgets::ProjectsWidget Class Reference	126
8.67.1	Detailed Description	127
8.67.2	Constructor & Destructor Documentation	127
8.67.2.1	ProjectsWidget	127
8.67.3	Member Function Documentation	128
8.67.3.1	updateBtn	128
8.68	Mustache::QtVariantContext Class Reference	129
8.68.1	Detailed Description	129
8.68.2	Member Typedef Documentation	129
8.68.2.1	fn_t	129
8.68.3	Member Function Documentation	130
8.68.3.1	canEval	130
8.68.3.2	eval	130
8.68.3.3	isFalse	130
8.68.3.4	listCount	130
8.68.3.5	pop	130
8.68.3.6	push	130
8.68.3.7	stringValue	130
8.69	Models::Rate Class Reference	131
8.70	Databases::RateDatabase Class Reference	131
8.70.1	Member Function Documentation	132
8.70.1.1	instance	132
8.71	RateModelTest Class Reference	132
8.72	Gui::Widgets::RateWidget Class Reference	132
8.72.1	Detailed Description	133
8.72.2	Constructor & Destructor Documentation	133
8.72.2.1	RateWidget	133
8.72.3	Member Function Documentation	133
8.72.3.1	getDailyRate	133
8.72.3.2	getHourlyRate	133

8.72.3.3	setDailyRate	134
8.72.3.4	setHourlyRate	135
8.72.3.5	setWidgetDailyRateValue	135
8.72.3.6	setWidgetHourlyRateValue	135
8.73	Mustache::Renderer Class Reference	135
8.73.1	Detailed Description	135
8.73.2	Member Function Documentation	136
8.73.2.1	error	136
8.73.2.2	errorPartial	136
8.73.2.3	errorPos	136
8.73.2.4	render	136
8.73.2.5	setTagMarkers	136
8.74	Models::Search Class Reference	136
8.74.1	Detailed Description	137
8.74.2	Member Function Documentation	137
8.74.2.1	filterOnBillsOrQuotes	137
8.74.2.2	filterOnCompany	138
8.74.2.3	filterOnContributories	138
8.74.2.4	filterOnCustomersWithoutProject	138
8.74.2.5	filterOnNumberElements	138
8.74.2.6	filterOnProjects	138
8.74.2.7	filterOnReferentLastname	138
8.74.2.8	filterOnVarcharElements	139
8.74.2.9	getFilter	139
8.74.2.10	getGroupFilter	139
8.74.2.11	getSearchInBillsQuotes	139
8.74.2.12	getSearchInCompanies	139
8.74.2.13	getSearchInProjects	139
8.74.2.14	getSearchInReferentLastname	140
8.74.2.15	getText	140
8.74.2.16	searchInContributories	140
8.74.2.17	setGroupFilter	140
8.74.2.18	setSearchInBillsQuotes	140
8.74.2.19	setSearchInCompanies	140
8.74.2.20	setSearchInContributories	140
8.74.2.21	setSearchInProjects	141
8.74.2.22	setSearchInReferentLastname	141
8.74.2.23	setText	141
8.75	Gui::Docks::SearchDock Class Reference	141
8.76	searchTest Class Reference	142

8.77	Gui::Widgets::searchWidget Class Reference	142
8.77.1	Detailed Description	143
8.77.2	Constructor & Destructor Documentation	143
8.77.2.1	searchWidget	143
8.77.3	Member Function Documentation	143
8.77.3.1	getCurrentCustomerId	143
8.77.3.2	isCustomerSelected	143
8.77.3.3	search	143
8.78	Utils::String Class Reference	144
8.78.1	Detailed Description	144
8.78.2	Member Function Documentation	144
8.78.2.1	firstLetterToUpper	144
8.79	StringTest Class Reference	144
8.80	Mustache::Tag Struct Reference	145
8.80.1	Detailed Description	145
8.80.2	Member Enumeration Documentation	145
8.80.2.1	Type	145
8.81	TestAdder< T > Class Template Reference	145
8.82	testadder Class Reference	146
8.83	TestMustache Class Reference	146
8.84	TestRunner Class Reference	146
8.85	Gui::Widgets::Delegates::UnitComboDelegate Class Reference	146
8.86	Models::User Class Reference	147
8.86.1	Detailed Description	149
8.86.2	Constructor & Destructor Documentation	149
8.86.2.1	User	149
8.86.3	Member Function Documentation	149
8.86.3.1	getAddress	149
8.86.3.2	getCity	149
8.86.3.3	getCompany	149
8.86.3.4	getDataMap	150
8.86.3.5	getEmail	150
8.86.3.6	getFirstname	150
8.86.3.7	getLastname	150
8.86.3.8	getMobilePhone	150
8.86.3.9	getNoSiret	150
8.86.3.10	getPhone	151
8.86.3.11	getPostalCode	151
8.86.3.12	getTitle	151
8.86.3.13	getWorkspaceName	151

8.86.3.14	getWorkspacePath	151
8.86.3.15	hydrat	151
8.86.3.16	operator!=	151
8.86.3.17	operator==	152
8.86.3.18	setAddress	152
8.86.3.19	setCity	152
8.86.3.20	setCompany	152
8.86.3.21	setEmail	152
8.86.3.22	setFirstname	152
8.86.3.23	setLastname	153
8.86.3.24	setMobilePhone	153
8.86.3.25	setNoSiret	153
8.86.3.26	setPhone	153
8.86.3.27	setPostalCode	153
8.86.3.28	setTitle	153
8.86.3.29	setWorkspaceName	154
8.86.3.30	setWorkspacePath	155
8.86.3.31	updateFolders	155
8.87	Databases::UserDatabase Class Reference	155
8.87.1	Detailed Description	156
8.87.2	Member Function Documentation	156
8.87.2.1	getUser	156
8.87.2.2	instance	156
8.88	UserDatabaseTest Class Reference	156
8.89	Gui::Dialogs::UserDataDialog Class Reference	157
8.89.1	Detailed Description	157
8.89.2	Constructor & Destructor Documentation	157
8.89.2.1	UserDataDialog	157
8.90	UserModelTest Class Reference	158
Index		159

Chapter 1

FactDev documentation

This website contains the documentation of FactDev, a billings and quotes software.

Team

FACT team is a team for University Project. Members of this team are :

- Florent Berbie ([KraTuX31](#))
- Antoine de Roquemaurel ([aroquemaurel](#))
- Cédric Rohaut ([Oxynos](#))
- Manantsoa Andriamihary Razanajatovo ([manantsoa](#))

For more informations, you can go to <http://fact-team.github.io>.

What is FactDev ?

FactDev is a software for quotes and billings developped by FACT team for university project in Toulouse III University – Paul Sabatier.

This software is developed with C++ and Qt framework, and there is differents features :

- Customers database
- Differents projects for customers
- Quotes
- Billings

Documentation

You can access to the documentation generated by Doxygen here :

- [HTML Documentation](#)
- [PDF Documentation](#)

Installation and using

- [User Manual](#)

Chapter 2

README

! [Build Status] (<https://travis-ci.org/robertknight/qt-mustache.svg?branch=master>)

Qt Mustache

qt-mustache is a simple library for rendering **Mustache templates**.

Example Usage

```
““cpp #include "mustache.h"
```

```
QVariantHash contact; contact["name"] = "John Smith"; contact["email"] = "john.smith@gmail.com";
```

```
QString contactTemplate = "<b>{{name}}</b> <a href='mailto:{{email}}'>{{email}}";
```

```
Mustache::Renderer renderer; Mustache::QtVariantContext context(contact);
```

```
QTextStream output(stdout); output << renderer.render(contactTemplate, &context); ““
```

Outputs: John Smith john.smith@gmail.com

For further examples, see the tests in `test_mustache.cpp`

Building

- To build the tests, run `qmake` followed by `make`
- To use qt-mustache in your project, just add the `mustache.h` and `mustache.cpp` files to your project.

License

qt-mustache is licensed under the BSD license.

Dependencies

qt-mustache depends on the QtCore library. It is compatible with Qt 4 and Qt 5.

Usage

Syntax

qt-mustache uses the standard Mustache syntax. See the [Mustache manual](#) for details.

Data Sources

qt-mustache expands Mustache tags using values from a [Mustache::Context](#). [Mustache::QtVariantContext](#) is a simple context implementation which wraps a `QVariantHash` or `QVariantMap`. If you want to render a template using a custom data source, you can either create a `QVariantHash` which mirrors the data source or you can re-implement [Mustache::Context](#).

Partials

When a `{{>partial}}` Mustache tag is encountered, qt-mustache will attempt to load the partial using a [Mustache::PartialResolver](#) provided by the context. [Mustache::PartialMap](#) is a simple resolver which takes a `QHash<QString,QString>` map of partial names to values and looks up partials in that map. [Mustache::PartialFileLoader](#) is another simple resolver which fetches partials from `<partial name>.mustache` files in a specified directory.

You can re-implement the [Mustache::PartialResolver](#) interface if you want to load partials from a custom source (eg. a database).

Error Handling

If an error occurs when rendering a template, [Mustache::Renderer::errorPosition\(\)](#) is set to non-negative value and template rendering stops. If the error occurs whilst rendering a partial template, [errorPartial\(\)](#) contains the name of the partial.

Lambdas

The [Mustache manual](#) provides a mechanism to customize rendering of template sections by setting the value for a tag to a callable object (eg. a lambda in Ruby or Javascript), which takes the unrendered block of text for a template section and renders it itself. qt-mustache supports this via the [Context::canEval\(\)](#) and [Context::eval\(\)](#) methods.

Chapter 3

QTestRunner

A repo for Increase QTest productivity

Thanks to <https://marcoarena.wordpress.com/2012/06/23/increase-your-qtest-productivity/>!

The QTestLib framework is a tool for unit testing Qt based applications and libraries. I find it precious and simple to use, though it lacks some important features, supported, for example, by GTest. I'm not talking about mocking – for this you generally need an out-and-out framework (like GMock) – instead, I'm referring to simple things like fast deploying. Suppose you have written a test class like this:

This repo contains only the code in this article.

Chapter 4

Namespace Index

4.1 Namespace List

Here is a list of all documented namespaces with brief descriptions:

Databases		
	Class for Database , contains queries	??
Gui	??
Gui::Widgets		
	Contains Widgets classes	??
Models		
	Models classes	??

Chapter 5

Hierarchical Index

5.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

Mustache::Context	??
Mustache::QtVariantContext	??
CounterContext	??
CounterContext	??
ContributoryListTest	??
Databases::Database	??
Databases::BillingDatabase	??
Databases::ContributoryDatabase	??
Databases::CustomerDatabase	??
Databases::ProjectDatabase	??
Databases::RateDatabase	??
Databases::UserDatabase	??
Utils::Directories	??
exception	
Exceptions::DbException	??
Exceptions::FileException	??
Generator	??
Utils::HierarchicalSystem	??
Gui::Widgets::CheckFields::ICheckField	??
Gui::Widgets::CheckFields::CheckQLineEdit	??
Gui::Widgets::CheckFields::CheckEmail	??
Gui::Widgets::CheckFields::CheckSiretNumber	??
Gui::Widgets::CheckFields::CheckUntilField	??
Gui::Widgets::CheckFields::CheckFieldsLetters	??
Gui::Widgets::CheckFields::CheckCity	??
Gui::Widgets::CheckFields::CheckCountry	??
Gui::Widgets::CheckFields::CheckName	??
Gui::Widgets::CheckFields::CheckPhone	??
Gui::Widgets::CheckFields::CheckPostalCode	??
Gui::Widgets::CheckFields::CheckValidField	??
Models::IModel	??
Models::Billing	??
Models::Contributory	??
Models::Customer	??
Models::Project	??
Models::User	??

Utils::ItemType	??
Utils::Log	??
Parameters	??
Mustache::PartialResolver	??
Mustache::PartialFileLoader	??
Mustache::PartialMap	??
Utils::pointers	??
Gui::Widgets::Popup	??
QAbstractTableModel	
Gui::Widgets::WdgModels::BillingsTableModel	??
Gui::Widgets::WdgModels::ContributoriesTableModel	??
Gui::Widgets::WdgModels::CustomersTableModel	??
Gui::Widgets::WdgModels::ProjectContributoriesTableModel	??
Gui::Widgets::WdgModels::ProjectsTableModel	??
QDialog	
Gui::Dialogs::AddProjectDialog	??
Gui::Dialogs::AddQuoteDialog	??
Gui::Dialogs::DialogAddCustomer	??
Gui::Dialogs::MessageBox	??
Gui::Dialogs::UserDataDialog	??
QDockWidget	
Gui::Docks::SearchDock	??
QItemDelegate	
Gui::Widgets::Delegates::ComboBoxDelegate	??
Gui::Widgets::Delegates::ProjectComboDelegate	??
Gui::Widgets::Delegates::UnitComboDelegate	??
Gui::Widgets::Delegates::DoubleSpinBoxDelegate	??
QLineEdit	
Gui::Widgets::CheckFields::CheckQLineEdit	??
QMainWindow	
Gui::MainWindow	??
QMap	
Models::ContributoriesList	??
QMenu	
Gui::Widgets::CustomerContextualMenu	??
QObject	
BillingDatabaseTest	??
BillingModelTest	??
ContributoriesDatabaseTest	??
ContributoryModelTest	??
CustomerDatabaseTest	??
CustomerModelTest	??
Generation	??
ItemTypeTest	??
ProjectDatabaseTest	??
ProjectModelTest	??
RateModelTest	??
searchTest	??
StringTest	??
TestMustache	??
TestMustache	??
UserDatabaseTest	??
UserModelTest	??
QWidget	
Gui::Widgets::ComboBoxModelWidget	??
Gui::Widgets::ContributoriesWidget	??
Gui::Widgets::CustomerDataWidget	??
Gui::Widgets::ProjectsWidget	??

Gui::Widgets::RateWidget	??
Gui::Widgets::searchWidget	??
Models::Rate	??
Mustache::Renderer	??
Models::Search	??
Utils::String	??
Mustache::Tag	??
TestAdder< T >	??
testadder	??
TestRunner	??

Chapter 6

Class Index

6.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

Gui::Dialogs::AddProjectDialog	
Windows to add a new Project	??
Gui::Dialogs::AddQuoteDialog	
Window to add or modify a Quote	??
Models::Billing	
: Billing or Quote of a Customer	??
Databases::BillingDatabase	
The BillingDatabase class Billing (or Quote) table database	??
BillingDatabaseTest	??
BillingModelTest	??
Gui::Widgets::WdgModels::BillingsTableModel	
For a Billing table	??
Gui::Widgets::CheckFields::CheckCity	
Line Edit of City with a check icon	??
Gui::Widgets::CheckFields::CheckCountry	
CheckCountry::CheckCountry Line Edit of country with a check icon	??
Gui::Widgets::CheckFields::CheckEmail	
Line Edit of email with a check icon	??
Gui::Widgets::CheckFields::CheckFieldsLetters	
Field with only letters (no numbers)	??
Gui::Widgets::CheckFields::CheckName	
Line edit of name with a check icon	??
Gui::Widgets::CheckFields::CheckPhone	
Line Edit of Phone number with a check icon	??
Gui::Widgets::CheckFields::CheckPostalCode	
Line Edit of postal code with a check icon	??
Gui::Widgets::CheckFields::CheckQLineEdit	
LineEdit custom with a check of text inputed	??
Gui::Widgets::CheckFields::CheckSiretNumber	
Line Edit with a check icon	??
Gui::Widgets::CheckFields::CheckUntilField	
The CheckUntilField class	??
Gui::Widgets::CheckFields::CheckValidField	
Check field not required	??
Gui::Widgets::Delegates::ComboBoxDelegate	
Gui::Widgets::ComboBoxModelWidget	
The ComboBoxModelWidget class	??
Mustache::Context	??

ContributoriesDatabaseTest	??
Models::ContributoriesList	??
Gui::Widgets::WdgModels::ContributoriesTableModel	
For a custom table for contributories widget	??
Gui::Widgets::ContributoriesWidget	??
Models::Contributory	
The Contributory class	??
Databases::ContributoryDatabase	
The ContributoryDatabase class Contributory (or Quote) table database	??
ContributoryListTest	??
ContributoryModelTest	??
CounterContext	??
Models::Customer	
Customer	??
Gui::Widgets::CustomerContextualMenu	
Display contextual menu on a customer	??
Databases::CustomerDatabase	
The CustomerDatabase class Customer table database	??
CustomerDatabaseTest	??
Gui::Widgets::CustomerDataWidget	
Class for display info of a customer	??
CustomerModelTest	??
Gui::Widgets::WdgModels::CustomersTableModel	
For a customer table	??
Databases::Database	
The Database class Master class for all database access	??
Exceptions::DbException	
For database exception : queries, db file, ...	??
Gui::Dialogs::DialogAddCustomer	
Window to add or modify a Customer	??
Utils::Directories	??
Gui::Widgets::Delegates::DoubleSpinBoxDelegate	??
Exceptions::FileException	
For file/access file exception	??
Generation	??
Generator	??
Utils::HierarchicalSystem	
Create class which contains hierarchical system of FactDev	??
Gui::Widgets::CheckFields::ICheckField	
Interface to check fields validity	??
Models::IModel	
The IModel class	??
Utils::ItemType	
Item type model	??
ItemTypeTest	??
Utils::Log	
For Simple management of log	??
Gui::MainWindow	
Main Window of the software	??
Gui::Dialogs::MessageBox	
Information window with message	??
Parameters	
Class for simple user parameters	??
Mustache::PartialFileLoader	??
Mustache::PartialMap	??
Mustache::PartialResolver	??
Utils::pointers	??

Gui::Widgets::Popup	
Class for display popup quickly	??
Models::Project	
: Project linked to a Customer	??
Gui::Widgets::Delegates::ProjectComboDelegate	??
Gui::Widgets::WdgModels::ProjectContributoriesTableModel	??
Databases::ProjectDatabase	
Project table database	??
ProjectDatabaseTest	??
ProjectModelTest	??
Gui::Widgets::WdgModels::ProjectsTableModel	
For a Project table	??
Gui::Widgets::ProjectsWidget	
Actions on Project	??
Mustache::QtVariantContext	??
Models::Rate	??
Databases::RateDatabase	??
RateModelTest	??
Gui::Widgets::RateWidget	
Class for display Rate	??
Mustache::Renderer	??
Models::Search	
The Search class	??
Gui::Docks::SearchDock	??
searchTest	??
Gui::Widgets::searchWidget	
Class for search in database	??
Utils::String	
The Utils class	??
StringTest	??
Mustache::Tag	??
TestAdder< T >	??
testadder	??
TestMustache	??
TestRunner	??
Gui::Widgets::Delegates::UnitComboDelegate	??
Models::User	
User of it application	??
Databases::UserDatabase	
Access to User data in the the table User of the Database	??
UserDatabaseTest	??
Gui::Dialogs::UserDataDialog	
Window to fill user data	??
UserModelTest	??

Chapter 7

Namespace Documentation

7.1 Databases Namespace Reference

Class for [Database](#), contains queries.

Classes

- class [BillingDatabase](#)
*The **BillingDatabase** class Billing (or Quote) table database.*
- class [ContributoryDatabase](#)
*The **ContributoryDatabase** class Contributory (or Quote) table database.*
- class [CustomerDatabase](#)
*The **CustomerDatabase** class Customer table database.*
- class [Database](#)
*The **Database** class Master class for all database access.*
- class [ProjectDatabase](#)
*The **ProjectDatabase** class Project table database.*
- class [RateDatabase](#)
- class [UserDatabase](#)
*The **UserDatabase** class Access to User data in the the table User of the **Database***

7.1.1 Detailed Description

Class for [Database](#), contains queries.

7.2 Gui Namespace Reference

Namespaces

- [Widgets](#)
*Contains **Widgets** classes.*

Classes

- class [MainWindow](#)
*The **MainWindow** class Main Window of the software.*

7.2.1 Detailed Description

Classes for Graphical User Interface

7.3 Gui::Widgets Namespace Reference

Contains [Widgets](#) classes.

Classes

- class [ComboBoxModelWidget](#)
The [ComboBoxModelWidget](#) class.
- class [ContributoriesWidget](#)
- class [CustomerContextualMenu](#)
Display contextual menu on a customer.
- class [CustomerDataWidget](#)
Class for display info of a customer.
- class [Popup](#)
Class for display popup quickly.
- class [ProjectsWidget](#)
The [ProjectsWidget](#) class Actions on Project.
- class [RateWidget](#)
Class for display Rate.
- class [searchWidget](#)
Class for search in database.

7.3.1 Detailed Description

Contains [Widgets](#) classes.

7.4 Models Namespace Reference

[Models](#) classes.

Classes

- class [Billing](#)
The [Billing](#) class : [Billing](#) or Quote of a [Customer](#).
- class [ContributoriesList](#)
- class [Contributory](#)
The [Contributory](#) class.
- class [Customer](#)
The [Customer](#) class [Customer](#).
- class [IModel](#)
The [IModel](#) class.
- class [Project](#)
The [Project](#) class : [Project](#) linked to a [Customer](#).
- class [Rate](#)

- class [Search](#)
The [Search](#) class.
- class [User](#)
The [User](#) class [User](#) of it application.

7.4.1 Detailed Description

[Models](#) classes.

Chapter 8

Class Documentation

8.1 Gui::Dialogs::AddProjectDialog Class Reference

The [AddProjectDialog](#) class Windows to add a new Project.

```
#include <addprojectdialog.h>
```

Inheritance diagram for Gui::Dialogs::AddProjectDialog:



Public Slots

- void [checkFields](#) ()
[AddProjectDialog::checkFields](#) Check if fields are valid.

Public Member Functions

- [AddProjectDialog](#) (int idProject=0, int noRowCustomer=0, QWidget *parent=0)
[AddProjectDialogAddProjectDialog](#) Construct a windows according an idCustomer and, optionnaly, an idProject
- void [accept](#) ()
[AddProjectDialog::accept](#) Valid data inputed by user and add these data in Database.
- void [reject](#) ()
[AddProjectDialog::reject](#) Cancel the operation and close the windows.
- void [fillFields](#) ()
[AddProjectDialog::fillFields](#) Fill the differents fields of the current windows according the Project data existing As a project requires to be linked to a Customer, the Customer selection part may be disable.

8.1.1 Detailed Description

The [AddProjectDialog](#) class Windows to add a new Project.

Author

Florent Berbie

See Also

Project

8.1.2 Constructor & Destructor Documentation

8.1.2.1 Gui::Dialogs::AddProjectDialog::AddProjectDialog (int *idProject* = 0, int *noRowCustomer* = 0, QWidget * *parent* = 0)
[explicit]AddProjectDialogAddProjectDialog Construct a windows according an *idCustomer* and, optionnaly, an *idProject*

Parameters

<i>noRowCustomer</i>	Row number of the Customer
<i>idProject</i>	Project identify
<i>parent</i>	QWidget of the current windows

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/gui/dialogs/addprojectdialog.h
- /home/travis/build/FACT-Team/FactDev/src/gui/dialogs/addprojectdialog.cpp

8.2 Gui::Dialogs::AddQuoteDialog Class Reference

The [AddQuoteDialog](#) class Window to add or modify a Quote.

#include <addquotedialog.h>

Inheritance diagram for Gui::Dialogs::AddQuoteDialog:



Public Slots

- void **updateBtn** (void)

Public Member Functions

- [AddQuoteDialog](#) (bool isBilling, int idCustomer=0, int id=0, bool edit=true, QWidget *parent=0)
AddQuoteDialog::AddQuoteDialog Construct a windows [AddQuoteDialog](#).
- void [fillFields](#) ()
AddQuoteDialog::fillFields Fill line edits with the data of the quote.
- int [getNumber](#) ()
AddQuoteDialog::getNumber return the number of bill or quote.
- void [accept](#) ()
AddQuoteDialog::accept Valid data inputed by user and add these data in Database.
- void [reject](#) ()
AddQuoteDialog::reject Cancel the operation and close the windows.

8.2.1 Detailed Description

The [AddQuoteDialog](#) class Window to add or modify a Quote.

Author

Cédric Rohaut

8.2.2 Constructor & Destructor Documentation

8.2.2.1 `Gui::Dialogs::AddQuoteDialog::AddQuoteDialog (bool isBilling, int idCustomer = 0, int id = 0, bool edit = true, QWidget * parent = 0) [explicit]`

[AddQuoteDialog::AddQuoteDialog](#) Construct a windows [AddQuoteDialog](#).

Parameters

<i>isBilling</i>	displaying of a quote or a Billing
<i>idCustomer</i>	the id of the Customer
<i>id</i>	the id of the quote or the billing of the Customer's Project
<i>edit</i>	if it's an edition or a copy of a quote/Billing
<i>parent</i>	QWidget of the current windows

8.2.3 Member Function Documentation

8.2.3.1 `int Gui::Dialogs::AddQuoteDialog::getNumber ()`

[AddQuoteDialog::getNumber](#) return the number of bill or quote.

Returns

int

The documentation for this class was generated from the following files:

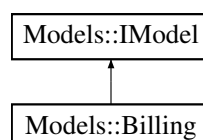
- /home/travis/build/FACT-Team/FactDev/src/gui/dialogs/addquotedialog.h
- /home/travis/build/FACT-Team/FactDev/src/gui/dialogs/addquotedialog.cpp

8.3 Models::Billing Class Reference

The [Billing](#) class : [Billing](#) or Quote of a [Customer](#).

```
#include <billing.h>
```

Inheritance diagram for Models::Billing:



Public Member Functions

- [Billing](#) ()

- *Billing::Billing*. Construct a *Billing*.
- **Billing** (int id)
 - Billing::Billing*. Construct a *Billing* or quote.
- **~Billing** ()
 - destruct a billing object
- void **commit** ()
 - Billing::commit*. Insert a modification in *Billing* table on the database.
- void **hydrat** (int getId)
 - Billing::hydrat*. Update of the *Billing* which is specified by getId
- void **remove** ()
 - Billing::remove*. Remove a *Billing*.
- QVariantHash **getDataMap** ()
 - getDataMap* Get all data of model with a HashMap key/value
- void **generateTex** ()
 - generateTex* Generate a .tex file for the billing
- **ContributoriesList** & **getContributories** ()
 - Billing::getContributories*. Return a map of *Contributory* for each *Project* of the *Billing*
- void **addContributory** (*Contributory* &c)
 - addContributories* Add a new contributory for project p
- double **getSumRate** ()
- double **getSumQuantity** ()
- QString **getTitle** () const
 - Billing::getTitle*. return title of *Billing*
- void **setTitle** (const QString &getTitle)
 - Billing::setTitle*. Modify the title of *Billing*
- QString **getDescription** () const
 - Billing::getDescription*. return description of *Billing*
- void **setDescription** (const QString &getDescription)
 - Billing::setDescription*. Modify the description of *Billing*
- int **getNumber** () const
 - Billing::getNumber*. Return number of the *Billing*.
- void **setNumber** (int getNumber)
 - Billing::setNumber*. Modify _number of *Billing*.
- bool **isBilling** () const
 - Billing::isBilling*. Return if it's a billing or a quote.
- void **setIsBilling** (bool isBilling)
 - Billing::setIsBilling*. Modify isBilling of *Billing*.
- QDate **getDate** () const
 - Billing::getDate*. return date of the *Billing*
- void **setDate** (const QDate &getDate)
 - Billing::setDate*. Modify date of the *Billing*
- bool **isPaid** () const
 - Billing::isPaid* Return TRUE if thee current billing is paid else return FALSE.
- void **setIsPaid** (bool isPaid)
 - Billing::setIsPaid* Define the current billing according the argument isPaid
- bool **operator==** (const *Billing* &b)
 - Billing::operator ==* define the operator "==" to compare two billings and to see if they are the same.
- bool **operator!=** (const *Billing* &b)
 - Billing::operator !=* defines the operator "!=" to compare two *Billing* and to see if they are different.
- void **setContributories** (const *ContributoriesList* &contributories)
- bool **operator<** (const *Billing* &b) const
 - Billing::operator <* defines the operator "<" to compare two *Billing* and to see if the first is anterior to the second.

Additional Inherited Members

8.3.1 Detailed Description

The [Billing](#) class : [Billing](#) or Quote of a [Customer](#).

Author

Cédric Rohaut for the quote part

8.3.2 Constructor & Destructor Documentation

8.3.2.1 Models::Billing::Billing (int *id*)

[Billing::Billing](#). Construct a [Billing](#) or quote.

Parameters

<i>int</i>	id
------------	----

8.3.3 Member Function Documentation

8.3.3.1 void Models::Billing::addContributory (Contributory & *c*)

addContributories Add a new contributory for project p

Parameters

<i>p</i>	The Project who contain Contributory
<i>c</i>	The new Contributory

8.3.3.2 ContributoriesList & Models::Billing::getContributories ()

[Billing::getContributories](#). Return a map of [Contributory](#) for each [Project](#) of the [Billing](#)

Returns

QMap<[Project](#), QList<Contributory>>

8.3.3.3 QVariantHash Models::Billing::getDataMap () [virtual]

getDataMap Get all data of model with a HashMap key/value

Returns

Model's data

Implements [Models::IModel](#).

8.3.3.4 QDate Models::Billing::getDate () const

[Billing::getDate](#). return date of the [Billing](#)

Returns

date of [Billing](#)

8.3.3.5 QString Models::Billing::getDescription () const

[Billing::getDescription](#). return description of [Billing](#)

Returns

description of [Billing](#)

8.3.3.6 int Models::Billing::getNumber () const

[Billing::getNumber](#). Return number of the [Billing](#).

Returns

_number of [Billing](#)

8.3.3.7 QString Models::Billing::getTitle () const

[Billing::getTitle](#). return title of [Billing](#)

Returns

title of [Billing](#)

8.3.3.8 void Models::Billing::hydrat (int *getId*) [virtual]

[Billing::hydrat](#). Update of the [Billing](#) which is specified by *getId*

Parameters

<i>getId</i>	
--------------	--

Implements [Models::IModel](#).

8.3.3.9 bool Models::Billing::isBilling () const

[Billing::isBilling](#). Return if it's a billing or a quote.

Returns

if it's billing or a quote

8.3.3.10 bool Models::Billing::isPaid () const

[Billing::isPaid](#) Return TRUE if thee current billing is paid else return FALSE.

Returns

Boolean

8.3.3.11 bool Models::Billing::operator!= (const [Billing](#) & *b*)

[Billing::operator !=](#) defines the operator "!=" to compare two [Billing](#) and to see if they are different.

Parameters

<i>b</i>	the Billing to compare with the current Billing
----------	---

Returns

true if the **Billing** are different else false

8.3.3.12 bool Models::Billing::operator< (const **Billing** & *b*) const

Billing::operator < defines the operator "<" to compare two **Billing** and to see if the first is anterior to the second.

Parameters

<i>b</i>	the Billing to compare with the current Billing
----------	---

Returns

true if the **Billing** are different else false

8.3.3.13 bool Models::Billing::operator== (const **Billing** & *b*)

Billing::operator == define the operator "==" to compare two billings and to see if they are the same.

Parameters

<i>b</i>	the Billing to compare with the current Billing
----------	---

Returns

true if they are the same billings else false

8.3.3.14 void Models::Billing::setDate (const **QDate** & *getDate*)

Billing::setDate. Modify *date* of the **Billing**

Parameters

<i>getDate</i>	the new date of the Billing
----------------	------------------------------------

8.3.3.15 void Models::Billing::setDescription (const **QString** & *getDescription*)

Billing::setDescription. Modify the description of **Billing**

Parameters

<i>getDescription</i>	Modify the description with <i>getDescription</i>
-----------------------	---

8.3.3.16 void Models::Billing::setIsBilling (bool *isBilling*)

Billing::setIsBilling. Modify *isBilling* of **Billing**.

Parameters

<i>isBilling</i>	
------------------	--

8.3.3.17 void Models::Billing::setIsPaid (bool *isPaid*)

[Billing::setIsPaid](#) Define the current billing according the argument *isPaid*

Parameters

<i>isPaid</i>	Boolean
---------------	---------

8.3.3.18 void Models::Billing::setNumber (int *getNumber*)

[Billing::setNumber](#). Modify *_number* of [Billing](#).

Parameters

<i>getNumber</i>	the new number of the Billing
------------------	---

8.3.3.19 void Models::Billing::setTitle (const QString & *getTitle*)

[Billing::setTitle](#). Modify the title of [Billing](#)

Parameters

<i>getTitle</i>	Modify the title with <i>getTitle</i>
-----------------	---------------------------------------

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/models/billing.h
- /home/travis/build/FACT-Team/FactDev/src/models/billing.cpp

8.4 Databases::BillingDatabase Class Reference

The [BillingDatabase](#) class Billing (or Quote) table database.

```
#include <billingdatabase.h>
```

Inheritance diagram for Databases::BillingDatabase:



Public Member Functions

- [Models::Billing](#) * [getBilling](#) (const int pId)
BillingDatabase::getCustomer get informations about the billing identified by pId
- [WdgModels::BillingsTableModel](#) * [getBillingsTable](#) (const int idProject) throw (DbException*)
BillingDatabase::getBillingsTable Return an item model of billings for QTableView.
- int [addBilling](#) (const [Models::Billing](#) &)

- BillingDatabase::addBilling* Add the billing *pBilling* to the database.
- void [updateBilling](#) (const [Models::Billing](#) &)
BillingDatabase::updateCustomer Update informations about the billing *pCustomer*
- void [removeBilling](#) (const int *pId*)
BillingDatabase::removeCustomer Remove the billing with the id *pId*
- void [addBillingProject](#) (const int *idProject*, const int *idBilling*, const int *idContributory*)
BillingDatabase::addBillingProject Link a project, a billing and a contributory in the table *BillingProject*.
- bool [isBillingPaid](#) (const int *pId*)
BillingDatabase::isBillingPaid Return TRUE if the id *pId* correspond to a Billing and not quote (*isBilling* = 1) and if this billing is paid (*isPaid* = 1) else return FALSE.
- void [removeBillingProject](#) (const int *idProject*, const int *idBilling*, const int *idContributory*)
BillingDatabase::removeBillingProject remove a link between a project, a billing and a contributory in the table *BillingProject*.
- int [getMaxBillingNumber](#) ()
getMaxBillingNumber Get the last number of a billing
- int [getMaxQuoteNumber](#) ()
getMaxQuoteNumber Get the last number of a quote
- int [getMaxBillingNumberOfCustomer](#) (const int *idCustomer*)
BillingDatabase::getMaxBillingNumberOfCustomer Get the last number of a **Customer's** Billing.
- int [getMaxQuoteNumberOfCustomer](#) (const int *idCustomer*)
BillingDatabase::getMaxQuoteNumberOfCustomer Get the last number of a **Customer's** quote.
- QSharedPointer< [Models::Billing](#) > [getBilling](#) (QStringQuery &q)
BillingDatabase::getBilling Add the element of the q request and return their.
- QMap< [Project](#) *, [Billing](#) * > [getAllBillingsOfProject](#) ()
BillingDatabase::getAllBillingsOfProject Return a map with the project id as key linked to the billing.

Static Public Member Functions

- static [BillingDatabase](#) * [instance](#) () throw (DbException*)
BillingDatabase::getInstance Return an instance of [BillingDatabase](#)

Additional Inherited Members

8.4.1 Detailed Description

The [BillingDatabase](#) class Billing (or Quote) table database.

Author

Cédric Rohaut

See Also

[Database](#)
[Billing/Quote](#)

8.4.2 Member Function Documentation

8.4.2.1 int Databases::BillingDatabase::addBilling (const [Models::Billing](#) & *pBilling*)

[BillingDatabase::addBilling](#) Add the billing *pBilling* to the database.

Returns

billing id

8.4.2.2 void Databases::BillingDatabase::addBillingProject (const int *idProject*, const int *idBilling*, const int *idContributory*)

[BillingDatabase::addBillingProject](#) Link a project, a billing and a contributory in the table BillingProject.

Parameters

<i>idProject</i>	Project id
<i>idBilling</i>	Billing id
<i>idContributory</i>	Contributory id

8.4.2.3 QMap< Project *, Billing * > Databases::BillingDatabase::getAllBillingsOfProject ()

[BillingDatabase::getAllBillingsOfProject](#) Return a map with the project id as key linked to the billing.

Returns

Map with projects and Billing

8.4.2.4 Models::Billing * Databases::BillingDatabase::getBilling (const int *pld*)

BillingDatabase::getCustomer get informations about the billing identified by *pld*

Parameters

<i>pld</i>	billing id
------------	------------

Returns

the Billing

8.4.2.5 QSharedPointer< Billing > Databases::BillingDatabase::getBilling (QSqlQuery & *q*)

[BillingDatabase::getBilling](#) Add the element of the *q* request and return their.

Parameters

<i>q</i>	SQL request
----------	-------------

Returns

a billing formed according to QSharedPointer

8.4.2.6 WdgModels::BillingsTableModel * Databases::BillingDatabase::getBillingsTable (const int *idProject*) throw DbException *)

[BillingDatabase::getBillingsTable](#) Return an item model of billings for QTableView.

Parameters

<i>pld</i>	the project id of the billings returned
------------	---

Exceptions

<i>DbException</i>	
--------------------	--

Returns

QStandardItemModel an item model for QTableView

8.4.2.7 int Databases::BillingDatabase::getMaxBillingNumber ()

getMaxBillingNumber Get the last number of a billing

Returns

The max number

8.4.2.8 int Databases::BillingDatabase::getMaxBillingNumberOfCustomer (const int *idCustomer*)

[BillingDatabase::getMaxBillingNumberOfCustomer](#) Get the last number of a **Customer's** Billing.

Parameters

<i>idCustomer</i>	Customer id
-------------------	-------------

Returns

the last number of the **Customer's** Billing

8.4.2.9 int Databases::BillingDatabase::getMaxQuoteNumber ()

getMaxQuoteNumber Get the last number of a quote

Returns

The last number

8.4.2.10 int Databases::BillingDatabase::getMaxQuoteNumberOfCustomer (const int *idCustomer*)

[BillingDatabase::getMaxQuoteNumberOfCustomer](#) Get the last number of a **Customer's** quote.

Parameters

<i>idCustomer</i>	Customer id
-------------------	-------------

Returns

the last number of the **Customer's** quote

8.4.2.11 BillingDatabase * Databases::BillingDatabase::instance () throw DbException * [static]

[BillingDatabase::getInstance](#) Return an instance of [BillingDatabase](#)

See Also

DbException

Returns

Instance of [BillingDatabase](#)

8.4.2.12 bool Databases::BillingDatabase::isBillingPaid (const int *pld*)

[BillingDatabase::isBillingPaid](#) Return TRUE if the id *pld* correspond to a Billing and not quote (isBilling = 1) and if this billing is paid (isPaid = 1) else return FALSE.

Parameters

<i>pld</i>	Billing id
------------	------------

Returns

TRUE if billing is paid

8.4.2.13 void Databases::BillingDatabase::removeBilling (const int *pld*)

[BillingDatabase::removeCustomer](#) Remove the billing with the id *pld*

Parameters

<i>pld</i>	billing id
------------	------------

8.4.2.14 void Databases::BillingDatabase::removeBillingProject (const int *idProject*, const int *idBilling*, const int *idContributory*)

[BillingDatabase::removeBillingProject](#) remove a link between a project, a billing and a contributory in the table BillingProject.

Parameters

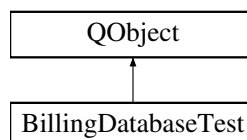
<i>idProject</i>	Project id
<i>idBilling</i>	Billing id
<i>idContributory</i>	Contributory id

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/database/billingdatabase.h
- /home/travis/build/FACT-Team/FactDev/src/database/billingdatabase.cpp

8.5 BillingDatabaseTest Class Reference

Inheritance diagram for BillingDatabaseTest:

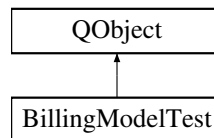


The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/tests/database/billingdatabasetest.h
- /home/travis/build/FACT-Team/FactDev/tests/database/billingdatabasetest.cpp

8.6 BillingModelTest Class Reference

Inheritance diagram for BillingModelTest:



The documentation for this class was generated from the following files:

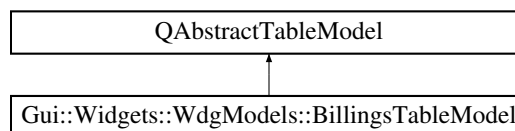
- /home/travis/build/FACT-Team/FactDev/tests/models/billingmodeltest.h
- /home/travis/build/FACT-Team/FactDev/tests/models/billingmodeltest.cpp

8.7 Gui::Widgets::WdgModels::BillingsTableModel Class Reference

The [BillingsTableModel](#) class for a Billing table.

```
#include <billingstablemodel.h>
```

Inheritance diagram for Gui::Widgets::WdgModels::BillingsTableModel:



Public Member Functions

- [BillingsTableModel](#) ()
BillingsTableModel::BillingsTableModel Construct a *BillingsTableModel*.
- int [rowCount](#) (const QModelIndex &) const
BillingsTableModel::rowCount Number of billings row.
- int [columnCount](#) (const QModelIndex &) const
BillingsTableModel::columnCount Number of column of a Billing.
- QVariant [data](#) (const QModelIndex &index, int role=Qt::DisplayRole) const
BillingsTableModel::data Obtains data of a specify cell.
- QVariant [headerData](#) (int section, Qt::Orientation orientation, int role=Qt::DisplayRole) const
BillingsTableModel::headerData Obtains header title of table.
- bool [setData](#) (const QModelIndex &index, const QVariant &value, int role=Qt::EditRole)
BillingsTableModel::setData Change data of a cell.
- void [append](#) (const [Billing](#) &billing)
BillingsTableModel::append Add a new line in table.
- void [remove](#) (const int i)

- [*BillingsTableModel::remove*](#) Remove a line.
- Qt::ItemFlags [flags](#) (const QModelIndex &index) const
[*BillingsTableModel::flags*](#) Differents table flags.
- int [count](#) ()
[*BillingsTableModel::count*](#) Number of billings in table.
- QList< [Billing](#) > [getBillings](#) () const
[*BillingsTableModel::getbillings*](#) Return the list of billings.

8.7.1 Detailed Description

The [BillingsTableModel](#) class for a Billing table.

Author

Florent Berbie

See Also

[Billing](#)

8.7.2 Constructor & Destructor Documentation

8.7.2.1 Gui::Widgets::WdgModels::BillingsTableModel::BillingsTableModel ()

[BillingsTableModel::BillingsTableModel](#) Construct a [BillingsTableModel](#).

Parameters

<i>parent</i>	Parent widget
---------------	---------------

8.7.3 Member Function Documentation

8.7.3.1 void Gui::Widgets::WdgModels::BillingsTableModel::append (const Billing & billing)

[BillingsTableModel::append](#) Add a new line in table.

Parameters

<i>Billing</i>	The new Billing
----------------	-----------------

8.7.3.2 int Gui::Widgets::WdgModels::BillingsTableModel::columnCount (const QModelIndex &) const

[BillingsTableModel::columnCount](#) Number of column of a Billing.

Returns

The number of column

8.7.3.3 int Gui::Widgets::WdgModels::BillingsTableModel::count ()

[BillingsTableModel::count](#) Number of billings in table.

Returns

The number of billings

8.7.3.4 `QVariant Gui::Widgets::WdgModels::BillingsTableModel::data (const QModelIndex & index, int role = Qt::DisplayRole) const`

[BillingsTableModel::data](#) Obtains data of a specify cell.

Parameters

<i>index</i>	The cell who we want data
<i>role</i>	The role of set

Returns

The data of cell

8.7.3.5 `Qt::ItemFlags Gui::Widgets::WdgModels::BillingsTableModel::flags (const QModelIndex & index) const`

[BillingsTableModel::flags](#) Differents table flags.

Parameters

<i>index</i>	The cell who we want to know flags
--------------	------------------------------------

Returns

Flags

8.7.3.6 `QList< Billing > Gui::Widgets::WdgModels::BillingsTableModel::getBillings () const`

[BillingsTableModel::getbillings](#) Return the list of billings.

Returns

list of billings

8.7.3.7 `QVariant Gui::Widgets::WdgModels::BillingsTableModel::headerData (int section, Qt::Orientation orientation, int role = Qt::DisplayRole) const`

[BillingsTableModel::headerData](#) Obtains header title of table.

Parameters

<i>section</i>	The number of column
<i>orientation</i>	The table orientation
<i>role</i>	

Returns

The Title header of column

8.7.3.8 `void Gui::Widgets::WdgModels::BillingsTableModel::remove (const int i)`

[BillingsTableModel::remove](#) Remove a line.

Parameters

<i>i</i>	The number of line to remove
----------	------------------------------

8.7.3.9 `int Gui::Widgets::WdgModels::BillingsTableModel::rowCount (const QModelIndex &) const`

[BillingsTableModel::rowCount](#) Number of billings row.

Returns

The number of billings

8.7.3.10 `bool Gui::Widgets::WdgModels::BillingsTableModel::setData (const QModelIndex & index, const QVariant & value, int role = Qt::EditRole)`

[BillingsTableModel::setData](#) Change data of a cell.

Parameters

<i>index</i>	The cell to change data
<i>value</i>	The new value
<i>role</i>	The role of cell

Returns

True if we could edit

The documentation for this class was generated from the following files:

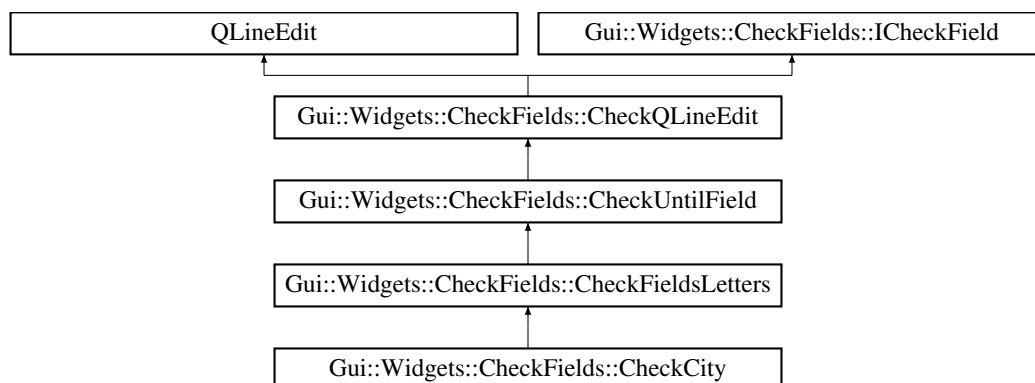
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/widgetmodels/billingstablemodel.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/widgetmodels/billingstablemodel.cpp

8.8 Gui::Widgets::CheckFields::CheckCity Class Reference

The [CheckCity](#) class Line Edit of City with a check icon.

```
#include <checkcity.h>
```

Inheritance diagram for Gui::Widgets::CheckFields::CheckCity:



Public Member Functions

- [CheckCity](#) (QWidget *w=0, QPushButton *btn=0)
CheckCity::CheckCity Construct a *CheckCity*.

Additional Inherited Members

8.8.1 Detailed Description

The [CheckCity](#) class Line Edit of City with a check icon.

8.8.2 Constructor & Destructor Documentation

8.8.2.1 Gui::Widgets::CheckFields::CheckCity::CheckCity (QWidget * *w* = 0, QPushButton * *btn* = 0)

[CheckCity::CheckCity](#) Construct a [CheckCity](#).

Parameters

<i>w</i>	QWidget linked to CheckCity
----------	---

The documentation for this class was generated from the following files:

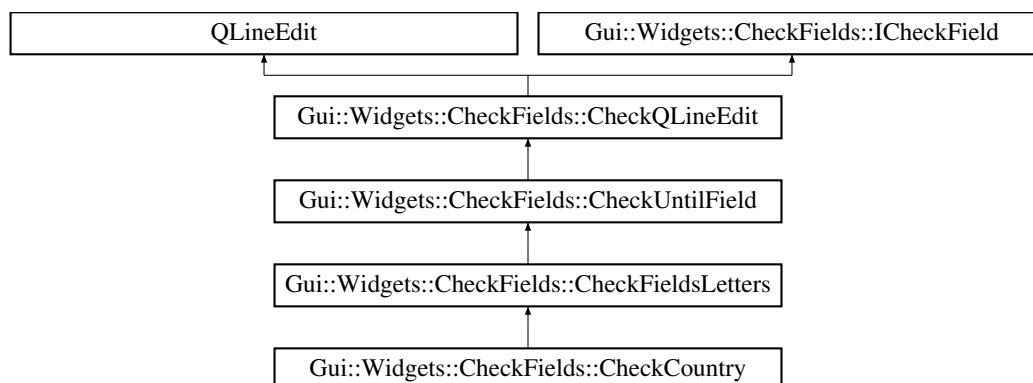
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkcity.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkcity.cpp

8.9 Gui::Widgets::CheckFields::CheckCountry Class Reference

[CheckCountry::CheckCountry](#) Line Edit of country with a check icon.

```
#include <checkcountry.h>
```

Inheritance diagram for Gui::Widgets::CheckFields::CheckCountry:



Public Member Functions

- [CheckCountry](#) (QWidget **w*=0, QPushButton **btn*=0)
CheckEmail::CheckCountry Construct a [CheckCountry](#).

Additional Inherited Members

8.9.1 Detailed Description

[CheckCountry::CheckCountry](#) Line Edit of country with a check icon.

8.9.2 Constructor & Destructor Documentation

8.9.2.1 Gui::Widgets::CheckFields::CheckCountry::CheckCountry (QWidget * *w* = 0, QPushButton * *btn* = 0)

CheckEmail::CheckCountry Construct a [CheckCountry](#).

Parameters

<i>w</i>	QWidget linked to CheckCountry
----------	--

The documentation for this class was generated from the following files:

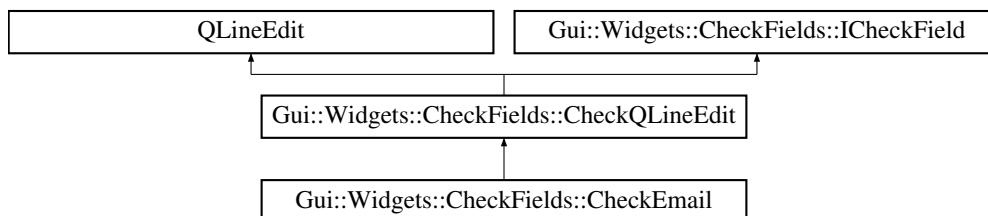
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkcountry.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkcountry.cpp

8.10 Gui::Widgets::CheckFields::CheckEmail Class Reference

The [CheckEmail](#) class Line Edit of email with a check icon.

```
#include <checkemail.h>
```

Inheritance diagram for Gui::Widgets::CheckFields::CheckEmail:



Public Member Functions

- [CheckEmail](#) (QWidget *w=0, QPushButton *btn=0)
[CheckEmail::CheckEmail](#) Construct a CheckMail.
- bool [check](#) (const QString text)
[CheckEmail::check](#) Check if the field email is valid. To be valid, an email address should be under this form: *me@me.-*
xx An email address need:

Additional Inherited Members

8.10.1 Detailed Description

The [CheckEmail](#) class Line Edit of email with a check icon.

8.10.2 Constructor & Destructor Documentation

8.10.2.1 Gui::Widgets::CheckFields::CheckEmail::CheckEmail (QWidget * w = 0, QPushButton * btn = 0)

[CheckEmail::CheckEmail](#) Construct a CheckMail.

Parameters

<i>w</i>	QWidget linked to CheckEmail
----------	--

8.10.3 Member Function Documentation

8.10.3.1 `bool Gui::Widgets::CheckFields::CheckEmail::check (const QString text) [virtual]`

`CheckEmail::check` Check if the field email is valid. To be valid, an email address should be under this form: `me@me.xx` An email address need:

- 1 character [A-Z] or [a-z] minimum before the character `</i>`
- the character `'@'`
- 1 character [A-Z] or [a-z] after the character `</i>` minimum and before the character `.`
- 1 character [A-Z] or [a-z] minimum after the character `.` Return TRUE if email address is valid, else FALSE

Parameters

text	
------	--

Returns

boolean

Implements [Gui::Widgets::CheckFields::ICheckField](#).

The documentation for this class was generated from the following files:

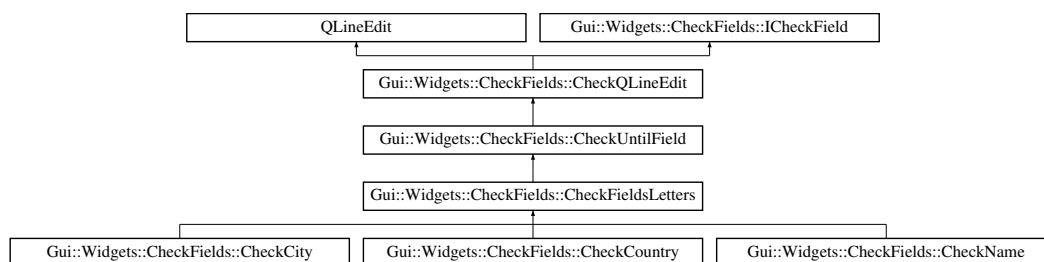
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkemail.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkemail.cpp

8.11 Gui::Widgets::CheckFields::CheckFieldsLetters Class Reference

The [CheckFieldsLetters](#) class Field with only letters (no numbers)

```
#include <checkfieldsletters.h>
```

Inheritance diagram for `Gui::Widgets::CheckFields::CheckFieldsLetters`:



Public Member Functions

- [CheckFieldsLetters](#) (QWidget *w=0, QPushButton *btn=0)
CheckFieldsLetters::CheckFieldsLetters Construct a [CheckFieldsLetters](#).
- bool [check](#) (QString text)
CheckName::check Check if the field contains only letters.

Additional Inherited Members

8.11.1 Detailed Description

The [CheckFieldsLetters](#) class Field with only letters (no numbers)

8.11.2 Constructor & Destructor Documentation

8.11.2.1 Gui::Widgets::CheckFields::CheckFieldsLetters::CheckFieldsLetters (QWidget * *w* = 0, QPushButton * *btn* = 0)

[CheckFieldsLetters::CheckFieldsLetters](#) Construct a [CheckFieldsLetters](#).

Parameters

<i>w</i>	QWidget linked to CheckFieldsLetters
----------	--

8.11.3 Member Function Documentation

8.11.3.1 bool Gui::Widgets::CheckFields::CheckFieldsLetters::check (QString *text*) [virtual]

[CheckName::check](#) Check if the field contains only letters.

Parameters

<i>text</i>	
-------------	--

Returns

boolean

Implements [Gui::Widgets::CheckFields::ICheckField](#).

The documentation for this class was generated from the following files:

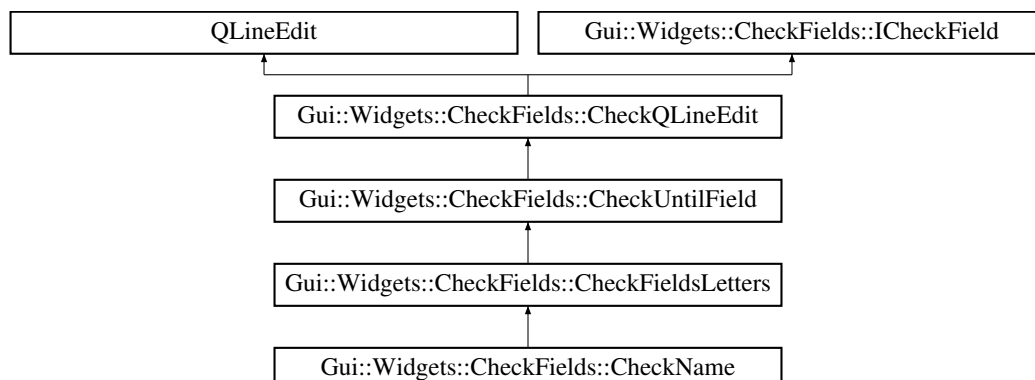
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkfieldsletters.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkfieldsletters.cpp

8.12 Gui::Widgets::CheckFields::CheckName Class Reference

The [CheckName](#) class Line edit of name with a check icon.

```
#include <checkname.h>
```

Inheritance diagram for Gui::Widgets::CheckFields::CheckName:



Public Member Functions

- [CheckName](#) (QWidget **w*=0, QPushButton **btn*=0)
[CheckName::CheckName](#) Construct a [CheckName](#).

Additional Inherited Members

8.12.1 Detailed Description

The [CheckName](#) class Line edit of name with a check icon.

8.12.2 Constructor & Destructor Documentation

8.12.2.1 Gui::Widgets::CheckFields::CheckName::CheckName (QWidget * *w* = 0, QPushButton * *btn* = 0)

[CheckName::CheckName](#) Construct a [CheckName](#).

Parameters

<i>w</i>	QWidget linked to CheckName
----------	---

The documentation for this class was generated from the following files:

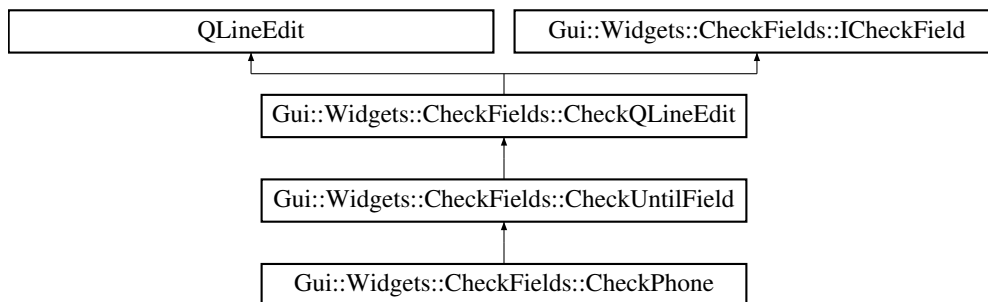
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkname.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkname.cpp

8.13 Gui::Widgets::CheckFields::CheckPhone Class Reference

The [CheckPhone](#) class Line Edit of Phone number with a check icon.

```
#include <checkphone.h>
```

Inheritance diagram for Gui::Widgets::CheckFields::CheckPhone:



Public Member Functions

- [CheckPhone](#) (QWidget **w*=0, QPushButton **btn*=0)
CheckPhone::CheckPhone Construct a [CheckPhone](#).
- bool [check](#) (QString text)
CheckPhone::check Check if the field is valid. To be valid, a name should be composed of a character.
- QString [getCountry](#) () const
CheckPhone::getCountry Return the country linked to current field.
- void [setCountry](#) (const QString &country)
CheckPhone::setCountry Modify the country linked to field.

Additional Inherited Members

8.13.1 Detailed Description

The [CheckPhone](#) class Line Edit of Phone number with a check icon.

8.13.2 Constructor & Destructor Documentation

8.13.2.1 `Gui::Widgets::CheckFields::CheckPhone::CheckPhone (QWidget * w = 0, QPushButton * btn = 0)`

[CheckPhone::CheckPhone](#) Construct a [CheckPhone](#).

Parameters

<i>w</i>	QWidget linked to CheckPhone
----------	--

8.13.3 Member Function Documentation

8.13.3.1 `bool Gui::Widgets::CheckFields::CheckPhone::check (QString text) [virtual]`

[CheckPhone::check](#) Check if the field is valid. To be valid, a name should be composed of a character.

Parameters

<i>text</i>	
-------------	--

Returns

boolean

Implements [Gui::Widgets::CheckFields::ICheckField](#).

8.13.3.2 `QString Gui::Widgets::CheckFields::CheckPhone::getCountry () const`

[CheckPhone::getCountry](#) Return the country linked to current field.

Returns

8.13.3.3 `void Gui::Widgets::CheckFields::CheckPhone::setCountry (const QString & country)`

[CheckPhone::setCountry](#) Modify the *country* linked to field.

Parameters

<i>country</i>	New country
----------------	-------------

The documentation for this class was generated from the following files:

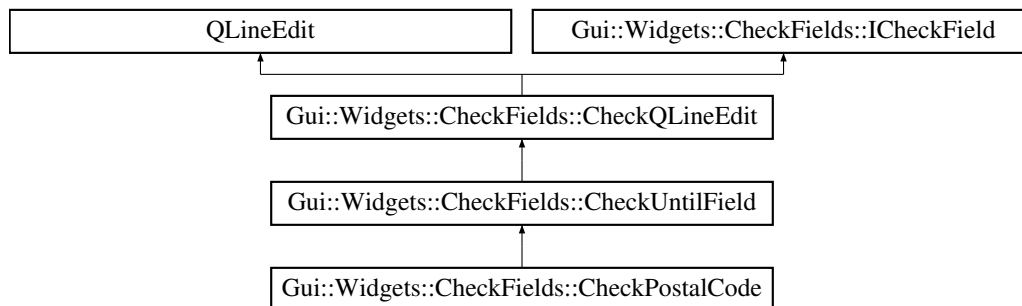
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkphone.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkphone.cpp

8.14 Gui::Widgets::CheckFields::CheckPostalCode Class Reference

The [CheckPostalCode](#) class Line Edit of postal code with a check icon.

```
#include <checkpostalcode.h>
```

Inheritance diagram for Gui::Widgets::CheckFields::CheckPostalCode:



Public Member Functions

- [CheckPostalCode](#) (QWidget *w=0, QPushButton *btn=0)
CheckPostalCode::CheckPostalCode Construct a [CheckPostalCode](#).
- bool [check](#) (QString text)
CheckPostalCode::check Check if the field is valid. To be valid, a name should be composed of a character.
- QString [getCountry](#) () const
CheckPostalCode::getCountry Return the country linked to current field.
- void [setCountry](#) (const QString &country)
CheckPostalCode::setCountry Modify the country linked to field.

Additional Inherited Members

8.14.1 Detailed Description

The [CheckPostalCode](#) class Line Edit of postal code with a check icon.

8.14.2 Constructor & Destructor Documentation

8.14.2.1 [Gui::Widgets::CheckFields::CheckPostalCode::CheckPostalCode \(QWidget * w = 0, QPushButton * btn = 0 \)](#)

[CheckPostalCode::CheckPostalCode](#) Construct a [CheckPostalCode](#).

Parameters

<i>w</i>	QWidget linked to CheckPostalCode
----------	---

8.14.3 Member Function Documentation

8.14.3.1 bool [Gui::Widgets::CheckFields::CheckPostalCode::check \(QString text \)](#) [virtual]

[CheckPostalCode::check](#) Check if the field is valid. To be valid, a name should be composed of a character.

Parameters

<i>text</i>	
-------------	--

Returns

boolean

Implements [Gui::Widgets::CheckFields::ICheckField](#).

8.14.3.2 QString Gui::Widgets::CheckFields::CheckPostalCode::getCountry () const

[CheckPostalCode::getCountry](#) Return the country linked to current field.

Returns

country

8.14.3.3 void Gui::Widgets::CheckFields::CheckPostalCode::setCountry (const QString & country)

[CheckPostalCode::setCountry](#) Modify the *country* linked to field.

Parameters

<i>country</i>	New country
----------------	-------------

The documentation for this class was generated from the following files:

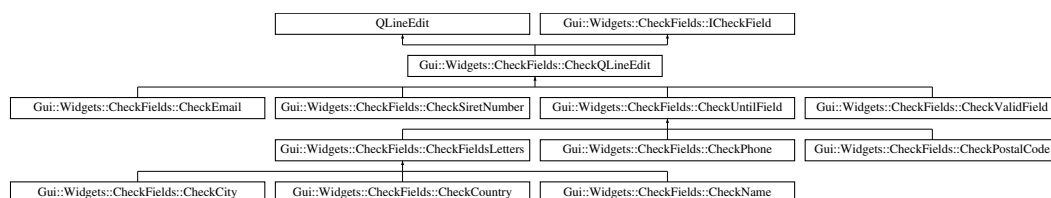
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkpostalcode.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkpostalcode.cpp

8.15 Gui::Widgets::CheckFields::CheckQLineEdit Class Reference

The [CheckQLineEdit](#) class QLineEdit custom with a check of text inputed.

```
#include <checkqlineedit.h>
```

Inheritance diagram for Gui::Widgets::CheckFields::CheckQLineEdit:



Public Slots

- void [fieldTextChanged](#) (const QString &text)

[CheckQLineEdit::fieldTextChanged](#) For each new characater inputed or removed, displays an icon to show if the field is valid or not.

Public Member Functions

- [CheckQLineEdit](#) (QWidget *parent=0, QPushButton *btn=0)
CheckQLineEdit::CheckQLineEdit Construct a [CheckQLineEdit](#).
- void [displayCheckValidFieldIcon](#) ()
CheckQLineEdit::displayCheckValidFieldIcon Display a valid icon into the field.
- void [displayCheckNoValidFieldIcon](#) ()
CheckQLineEdit::displayCheckNoValidFieldIcon Display a "no valid" icon into the field.
- QPushButton * [getBtnValid](#) () const
CheckQLineEdit::getBtnValid.
- void [setBtnValid](#) (QPushButton *[getBtnValid](#))
CheckQLineEdit::setBtnValid.
- bool [isValid](#) ()
isValid Return true if the current field if valid

8.15.1 Detailed Description

The [CheckQLineEdit](#) class QLineEdit custom with a check of text inputed.

8.15.2 Constructor & Destructor Documentation

- 8.15.2.1 `Gui::Widgets::CheckFields::CheckQLineEdit::CheckQLineEdit (QWidget * parent = 0, QPushButton * btn = 0)`
[explicit]

[CheckQLineEdit::CheckQLineEdit](#) Construct a [CheckQLineEdit](#).

Parameters

<i>parent</i>	
---------------	--

8.15.3 Member Function Documentation

- 8.15.3.1 `QPushButton * Gui::Widgets::CheckFields::CheckQLineEdit::getBtnValid ()` const

[CheckQLineEdit::getBtnValid](#).

Returns

a

- 8.15.3.2 `bool Gui::Widgets::CheckFields::CheckQLineEdit::isValid ()`

isValid Return true if the current field if valid

Returns

boolean

- 8.15.3.3 `void Gui::Widgets::CheckFields::CheckQLineEdit::setBtnValid (QPushButton * getBtnValid)`

[CheckQLineEdit::setBtnValid](#).

Parameters

<code>getBtnValid</code>	
--------------------------	--

The documentation for this class was generated from the following files:

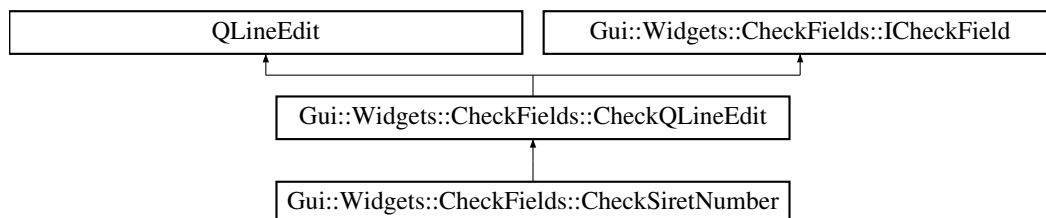
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkqlineedit.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkqlineedit.cpp

8.16 Gui::Widgets::CheckFields::CheckSiretNumber Class Reference

The [CheckSiretNumber](#) class Line Edit with a check icon.

```
#include <checksiretnumber.h>
```

Inheritance diagram for Gui::Widgets::CheckFields::CheckSiretNumber:



Public Member Functions

- [CheckSiretNumber](#) (QWidget *w=0, QPushButton *btn=0)
[CheckSiretNumber::CheckSiretNumber](#) Construct a [CheckSiretNumber](#).
- bool [check](#) (QString text)
[CheckSiretNumber::check](#) Check if the field noSiret is valid. To be valid, a SIRET number should be composed of numbers.

Additional Inherited Members

8.16.1 Detailed Description

The [CheckSiretNumber](#) class Line Edit with a check icon.

8.16.2 Constructor & Destructor Documentation

8.16.2.1 [Gui::Widgets::CheckFields::CheckSiretNumber::CheckSiretNumber](#) ([QWidget](#) * *w* = 0, [QPushButton](#) * *btn* = 0)

[CheckSiretNumber::CheckSiretNumber](#) Construct a [CheckSiretNumber](#).

Parameters

<i>w</i>	QWidget linked to CheckSiretNumber
----------	--

8.16.3 Member Function Documentation

8.16.3.1 `bool Gui::Widgets::CheckFields::CheckSiretNumber::check (QString text)` [virtual]

[CheckSiretNumber::check](#) Check if the field noSiret is valid. To be valid, a SIRET number should be composed of numbers.

Parameters

<i>text</i>	
-------------	--

Returns

boolean

Implements [Gui::Widgets::CheckFields::ICheckField](#).

The documentation for this class was generated from the following files:

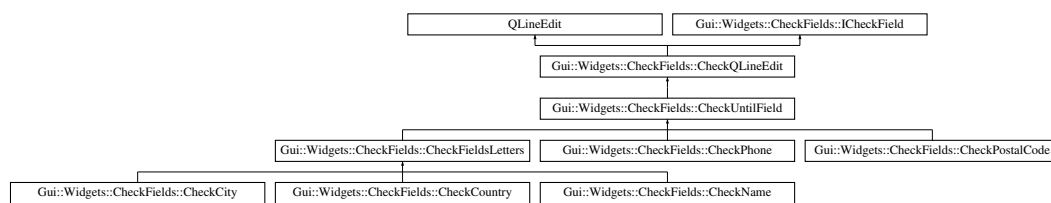
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checksiretnumber.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checksiretnumber.cpp

8.17 Gui::Widgets::CheckFields::CheckUntilField Class Reference

The [CheckUntilField](#) class.

```
#include <checkuntilfield.h>
```

Inheritance diagram for Gui::Widgets::CheckFields::CheckUntilField:



Public Member Functions

- [CheckUntilField](#) (QWidget *w=0, QPushButton *btn=0)
CheckUntilField::CheckUntilField Construct a [CheckUntilField](#).
- bool [check](#) (QString text)
CheckUntilField::check Check if the field is valid. To be valid, a name should be composed of a character.

Additional Inherited Members

8.17.1 Detailed Description

The [CheckUntilField](#) class.

8.17.2 Constructor & Destructor Documentation

8.17.2.1 Gui::Widgets::CheckFields::CheckUntilField::CheckUntilField (QWidget * w = 0, QPushButton * btn = 0)

[CheckUntilField::CheckUntilField](#) Construct a [CheckUntilField](#).

Parameters

<i>w</i>	QWidget linked to CheckUntilField
----------	---

8.17.3 Member Function Documentation

8.17.3.1 `bool Gui::Widgets::CheckFields::CheckUntilField::check (QString text)` `[virtual]`

[CheckUntilField::check](#) Check if the field is valid. To be valid, a name should be composed of a character.

Parameters

<i>text</i>	
-------------	--

Returns

boolean

Implements [Gui::Widgets::CheckFields::ICheckField](#).

The documentation for this class was generated from the following files:

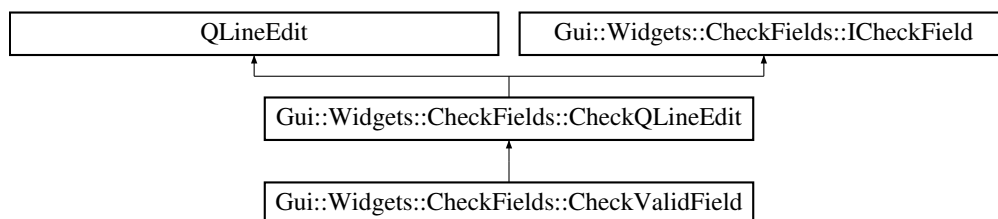
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkuntilfield.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkuntilfield.cpp

8.18 Gui::Widgets::CheckFields::CheckValidField Class Reference

The [CheckValidField](#) class Check field not required.

```
#include <checkvalidfield.h>
```

Inheritance diagram for Gui::Widgets::CheckFields::CheckValidField:



Public Member Functions

- [CheckValidField](#) (QWidget *w=0, QPushButton *btn=0)
[CheckValidField::CheckValidField](#).
- bool [check](#) (QString text)
[CheckValidField::check](#) Return TRUE : the field is not required.

Additional Inherited Members

8.18.1 Detailed Description

The [CheckValidField](#) class Check field not required.

8.18.2 Constructor & Destructor Documentation

8.18.2.1 `Gui::Widgets::CheckFields::CheckValidField::CheckValidField (QWidget * w = 0, QPushButton * btn = 0)`

[CheckValidField::CheckValidField.](#)

Parameters

<i>w</i>	QWidget linked to CheckValidField
----------	---

8.18.3 Member Function Documentation

8.18.3.1 bool Gui::Widgets::CheckFields::CheckValidField::check (QString *text*) [virtual]

[CheckValidField::check](#) Return TRUE : the field is not required.

Parameters

<i>text</i>	
-------------	--

Returns

boolean

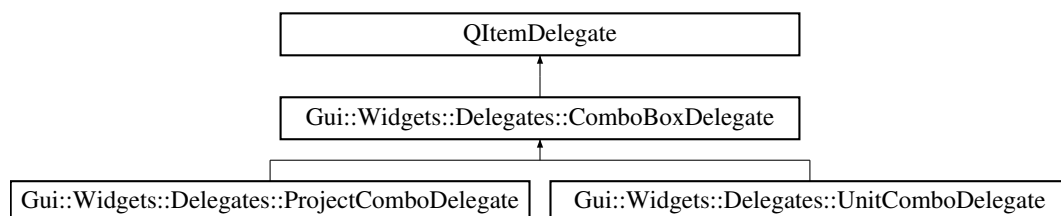
Implements [Gui::Widgets::CheckFields::ICheckField](#).

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkvalidfield.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkvalidfield.cpp

8.19 Gui::Widgets::Delegates::ComboBoxDelegate Class Reference

Inheritance diagram for Gui::Widgets::Delegates::ComboBoxDelegate:



Public Member Functions

- **ComboBoxDelegate** (QObject *parent=0)
- virtual QWidget * **createEditor** (QWidget *parent, const QStyleOptionViewItem &option, const QModelIndex &index) const =0
- void **paint** (QPainter *painter, const QStyleOptionViewItem &option, const QModelIndex &index) const =0
- void **setEditorData** (QWidget *editor, const QModelIndex &index) const
- void **setModelData** (QWidget *editor, QAbstractItemModel *model, const QModelIndex &index) const
- void **updateEditorGeometry** (QWidget *editor, const QStyleOptionViewItem &option, const QModelIndex &index) const

The documentation for this class was generated from the following files:

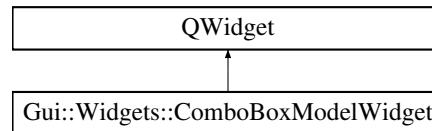
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/delegates/comboboxdelegate.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/delegates/comboboxdelegate.cpp

8.20 Gui::Widgets::ComboBoxModelWidget Class Reference

The [ComboBoxModelWidget](#) class.

```
#include <comboboxmodelwidget.h>
```

Inheritance diagram for Gui::Widgets::ComboBoxModelWidget:



Public Member Functions

- **ComboBoxModelWidget** (QWidget *parent=0)

8.20.1 Detailed Description

The [ComboBoxModelWidget](#) class.

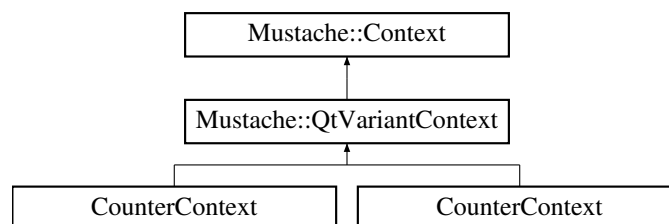
The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/comboboxmodelwidget.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/comboboxmodelwidget.cpp

8.21 Mustache::Context Class Reference

```
#include <mustache.h>
```

Inheritance diagram for Mustache::Context:



Public Member Functions

- [Context](#) ([PartialResolver](#) *resolver=0)
- virtual QString [stringValue](#) (const QString &key) const =0
- virtual bool [isFalse](#) (const QString &key) const =0
- virtual int [listCount](#) (const QString &key) const =0
- virtual void [push](#) (const QString &key, int index=-1)=0
- virtual void [pop](#) ()=0
- QString [partialValue](#) (const QString &key) const
- [PartialResolver](#) * [partialResolver](#) () const
- virtual bool [canEval](#) (const QString &key) const
- virtual QString [eval](#) (const QString &key, const QString &_template, [Renderer](#) *renderer)

8.21.1 Detailed Description

[Context](#) is an interface that [Mustache::Renderer::render\(\)](#) uses to fetch substitutions for template tags.

8.21.2 Constructor & Destructor Documentation

8.21.2.1 `Context::Context (PartialResolver * resolver = 0)` `[explicit]`

Create a context. *resolver* is used to fetch the expansions for any `{{>partial}}` tags which appear in a template.

8.21.3 Member Function Documentation

8.21.3.1 `bool Context::canEval (const QString & key) const` `[virtual]`

Returns true if [eval\(\)](#) should be used to render section tags using *key*. If [canEval\(\)](#) returns true for a key, the renderer will pass the literal, unrendered block of text for the section to [eval\(\)](#) and replace the section with the result.

[canEval\(\)](#) and [eval\(\)](#) are equivalents for callable objects (eg. lambdas) in other Mustache implementations.

The default implementation always returns false.

Reimplemented in [CounterContext](#), [CounterContext](#), and [Mustache::QtVariantContext](#).

8.21.3.2 `QString Context::eval (const QString & key, const QString & _template, Renderer * renderer)` `[virtual]`

Callback used to render a template section with the given *key*. *renderer* will substitute the original section tag with the result of [eval\(\)](#).

The default implementation returns an empty string.

Reimplemented in [CounterContext](#), [CounterContext](#), and [Mustache::QtVariantContext](#).

8.21.3.3 `virtual bool Mustache::Context::isFalse (const QString & key) const` `[pure virtual]`

Returns true if the value for *key* is 'false' or an empty list. 'False' values typically include empty strings, the boolean value false etc.

When processing a section Mustache tag, the section is not rendered if the key is false, or for an inverted section tag, the section is only rendered if the key is false.

Implemented in [Mustache::QtVariantContext](#).

8.21.3.4 `virtual int Mustache::Context::listCount (const QString & key) const` `[pure virtual]`

Returns the number of items in the list value for *key* or 0 if the value for *key* is not a list.

Implemented in [Mustache::QtVariantContext](#).

8.21.3.5 `PartialResolver * Context::partialResolver () const`

Returns the partial resolver passed to the constructor.

8.21.3.6 `QString Context::partialValue (const QString & key) const`

Returns the partial template for a given *key*.

8.21.3.7 virtual void Mustache::Context::pop () [pure virtual]

Exit the current context.

Implemented in [Mustache::QtVariantContext](#).

8.21.3.8 virtual void Mustache::Context::push (const QString & key, int index = -1) [pure virtual]

Set the current context to the value for `key`. If `index` is ≥ 0 , set the current context to the `index`'th value in the list value for `key`.

Implemented in [Mustache::QtVariantContext](#).

8.21.3.9 virtual QString Mustache::Context::stringValue (const QString & key) const [pure virtual]

Returns a string representation of the value for `key` in the current context. This is used to replace a Mustache value tag.

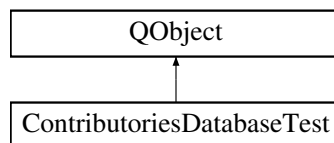
Implemented in [CounterContext](#), [CounterContext](#), and [Mustache::QtVariantContext](#).

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/libs/qt-mustache/src/mustache.h
- /home/travis/build/FACT-Team/FactDev/src/libs/qt-mustache/src/mustache.cpp

8.22 ContributoriesDatabaseTest Class Reference

Inheritance diagram for ContributoriesDatabaseTest:

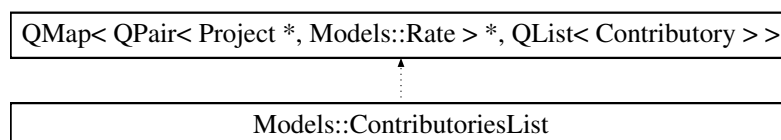


The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/tests/database/contributoriesdatabasetest.h
- /home/travis/build/FACT-Team/FactDev/tests/database/contributoriesdatabasetest.cpp

8.23 Models::ContributoriesList Class Reference

Inheritance diagram for Models::ContributoriesList:



Public Member Functions

- virtual void **commit** ()
commit Update or insert data into the database
- void **addContributory** ([Models::Contributory](#) &contributory)
- void **addProject** ([Project](#) *p, [Models::Rate](#) rate)
- [QList](#)< [Contributory](#) > & **getContributories** ([Project](#) *p)
- int **getIldBilling** () const
- void **setIldBilling** (int getIldBilling)
- void **setAllIldContributories** (int idContributory)
[ContributoriesList::setAllIldContributories](#) Change all [Contributory](#) id with the same id.
- bool **getInsert** () const
- void **setInsert** (bool getInsert)
- int **getNbProjects** ()
- double **getSumRate** ()
- double **getSumQuantity** ()
- [QSharedPointer](#)< [Customer](#) > **getCustomer** ()
- [QList](#)< [Project](#) * > **getProjects** ()
- [QList](#)< [Contributory](#) > * **getAllContributories** ()
- [Models::Rate](#) **getRate** ([Models::Project](#) *project)
- [QVariantList](#) **getDataMap** ()

8.23.1 Member Function Documentation

8.23.1.1 void Models::ContributoriesList::setAllIldContributories (int idContributory)

[ContributoriesList::setAllIldContributories](#) Change all [Contributory](#) id with the same id.

Parameters

<i>idContributory</i>	the new Contributory id
-----------------------	---

The documentation for this class was generated from the following files:

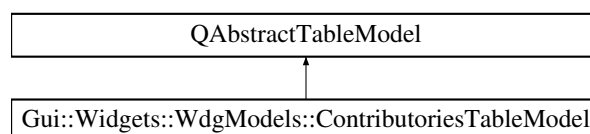
- /home/travis/build/FACT-Team/FactDev/src/models/contributorieslist.h
- /home/travis/build/FACT-Team/FactDev/src/models/contributorieslist.cpp

8.24 Gui::Widgets::WdgModels::ContributoriesTableModel Class Reference

The [ContributoriesTableModel](#) class for a custom table for contributories widget.

```
#include <contributoriesstablemodel.h>
```

Inheritance diagram for Gui::Widgets::WdgModels::ContributoriesTableModel:



Public Member Functions

- [ContributoriesTableModel](#) (QObject *parent=0)
ContributoriesTableModel Construct a ContributoriesTableModel.
- int [rowCount](#) (const QModelIndex &) const
rowCount Number of contributories row
- int [columnCount](#) (const QModelIndex &) const
columnCount Number of column of a contributory
- QVariant [data](#) (const QModelIndex &index, int role) const
data Obtains data of a specify cell
- QVariant [headerData](#) (int section, Qt::Orientation orientation, int role) const
headerData Obtains header title of table
- bool [setData](#) (const QModelIndex &index, const QVariant &value, int role=Qt::EditRole)
setData Change data of a cell
- void [append](#) (const [Contributory](#) &contributory)
append Add a new line in table
- void [remove](#) (const int i)
remove Remove a line
- Qt::ItemFlags [flags](#) (const QModelIndex &index) const
flags Differents table flags
- QList< [Contributory](#) > [getContributories](#) ()
getContributories Get all contributories of table
- int [count](#) ()
count Number of contributories in table
- double [getSumQuantity](#) () const
- void [clear](#) ()

8.24.1 Detailed Description

The [ContributoriesTableModel](#) class for a custom table for contributories widget.

Author

Antoine de Roquemaurel

See Also

[Contributory](#)

8.24.2 Constructor & Destructor Documentation

8.24.2.1 `Gui::Widgets::WdgModels::ContributoriesTableModel::ContributoriesTableModel (QObject * parent = 0)`

[ContributoriesTableModel](#) Construct a [ContributoriesTableModel](#).

Parameters

<i>parent</i>	Parent widget
---------------	---------------

8.24.3 Member Function Documentation

8.24.3.1 `void Gui::Widgets::WdgModels::ContributoriesTableModel::append (const Contributor & contributory)`

[append](#) Add a new line in table

Parameters

<i>contributory</i>	The new contributory
---------------------	----------------------

8.24.3.2 `int Gui::Widgets::WdgModels::ContributoriesTableModel::columnCount (const QModelIndex &) const`

columnCount Number of column of a contributory

Returns

The number of column

8.24.3.3 `int Gui::Widgets::WdgModels::ContributoriesTableModel::count ()`

count Number of contributories in table

Returns

The number of contributories

8.24.3.4 `QVariant Gui::Widgets::WdgModels::ContributoriesTableModel::data (const QModelIndex & index, int role) const`

data Obtains data of a specify cell

Parameters

<i>index</i>	The cell who we want data
<i>role</i>	The role of set

Returns

The data of cell

8.24.3.5 `Qt::ItemFlags Gui::Widgets::WdgModels::ContributoriesTableModel::flags (const QModelIndex & index) const`

flags Differents table flags

Parameters

<i>index</i>	The cell who we want to know flags
--------------	------------------------------------

Returns

Flags

8.24.3.6 `QList< Contributory > Gui::Widgets::WdgModels::ContributoriesTableModel::getContributories ()`

getContributories Get all contributories of table

Returns

The contributory list

8.24.3.7 `QVariant Gui::Widgets::WdgModels::ContributoriesTableModel::headerData (int section, Qt::Orientation orientation, int role) const`

headerData Obtains header title of table

Parameters

<i>section</i>	The number of column
<i>orientation</i>	The table orientation
<i>role</i>	

Returns

The Title header of column

8.24.3.8 void Gui::Widgets::WdgModels::ContributoriesTableModel::remove (const int *i*)

remove Remove a line

Parameters

<i>i</i>	The number of line to remove
----------	------------------------------

8.24.3.9 int Gui::Widgets::WdgModels::ContributoriesTableModel::rowCount (const QModelIndex &) const

rowCount Number of contributories row

Returns

The number of contributories

8.24.3.10 bool Gui::Widgets::WdgModels::ContributoriesTableModel::setData (const QModelIndex & *index*, const QVariant & *value*, int *role* = Qt::EditRole)

setData Change data of a cell

Parameters

<i>index</i>	The cell to change data
<i>value</i>	The new value
<i>role</i>	THE role of cell

Returns

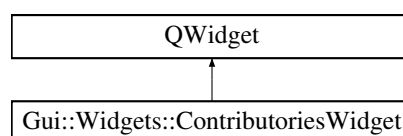
True if we could edit

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/widgetsmodels/contributoriesstablemodel.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/widgetsmodels/contributoriesstablemodel.cpp

8.25 Gui::Widgets::ContributoriesWidget Class Reference

Inheritance diagram for Gui::Widgets::ContributoriesWidget:



Public Slots

- void **add** (void)
add Add a new empty contributory
- void **remove** (void)
remove Remove the current contributory
- void **addProject** (QPair< **Project** *, **Rate** > *p=0)
- void **removeProject** (void)
- void **changeProject** (void)
- void **editing** (void)
- void **updateUi** (void)
- void **updatePrice** (void)

Signals

- void **contributoryChanged** ()

Public Member Functions

- **ContributoriesWidget** (QSharedPointer< **Customer** > c, QWidget *parent=0)
- **ContributoriesList** * **getContributories** () const
getContributories Get contributories List
- int **count** ()
- void **add** (**ContributoriesList** &list)
add Add the Contributory c in the model

8.25.1 Member Function Documentation

8.25.1.1 void Gui::Widgets::ContributoriesWidget::add (**ContributoriesList** & *list*)

add Add the Contributory *c* in the model

Parameters

<i>c</i>	the Contributory
----------	-------------------------

8.25.1.2 **ContributoriesList** * Gui::Widgets::ContributoriesWidget::getContributories () const

getContributories Get contributories List

Returns

The documentation for this class was generated from the following files:

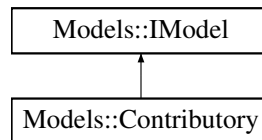
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/contributorieswidget.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/contributorieswidget.cpp

8.26 Models::Contributory Class Reference

The [Contributory](#) class.

```
#include <contributory.h>
```

Inheritance diagram for Models::Contributory:



Public Member Functions

- [Contributory](#) ()
Contributory::Contributory Construct a [Contributory](#).
- [Contributory](#) (int id)
Contributory::Contributory Construct a [Contributory](#) and get data in database.
- [~Contributory](#) ()
Destroy an contributory object.
- void [commit](#) ()
Contributory::commit Update or insert a contributory to the database.
- void [hydrat](#) (int id)
Contributory::hydrat Get data about the [Contributory](#) which is specified by the identify id
- void [remove](#) ()
Contributory::remove Remove the current [Contributory](#).
- QVariantHash [getDataMap](#) ()
getDataMap Get all data of model with a HashMap key/value
- [Project](#) * [getProject](#) () const
Contributory::getProject Return the project linked to this [Contributory](#).
- void [setProject](#) ([Project](#) *id)
Contributory::setProject Modify the identify id of the [Project](#) linked to this [Contributory](#).
- double [getNbHours](#) () const
getNbHours Number of work hour of a contributory
- void [setNbHours](#) (double value)
setNbHours Change nbHours
- QString [getDescription](#) () const
getDescription Description of a contributory
- void [setDescription](#) (const QString &[getDescription](#))
setDescription Change the contributory description
- bool [operator==](#) (const [Contributory](#) &c)
operator == define the operator "==" to compare two [Contributory](#)
- bool [operator!=](#) (const [Contributory](#) &c)
operator != define the operator "!=" to compare two [Contributory](#)

Additional Inherited Members

8.26.1 Detailed Description

The [Contributory](#) class.

Author

8.26.2 Constructor & Destructor Documentation

8.26.2.1 Models::Contributory::Contributory (int *id*)

[Contributory::Contributory](#) Construct a [Contributory](#) and get data in database.

Parameters

<i>id</i>	Contributory 's id
-----------	------------------------------------

8.26.3 Member Function Documentation

8.26.3.1 QVariantHash Models::Contributory::getDataMap () [virtual]

getDataMap Get all data of model with a HashMap key/value

Returns

Model's data

Implements [Models::IModel](#).

8.26.3.2 QString Models::Contributory::getDescription () const

getDescription Description of a contributory

Returns

The description

8.26.3.3 double Models::Contributory::getNbHours () const

getNbHours Number of work hour of a contributory

Returns

Then number of hours

8.26.3.4 Project * Models::Contributory::getProject () const

[Contributory::getProject](#) Return the project linked to this [Contributory](#).

Returns

[Project](#) linked to this [Contributory](#)

8.26.3.5 void Models::Contributory::hydrat (int *id*) [virtual]

[Contributory::hydrat](#) Get data about the [Contributory](#) which is specified by the identify *id*

Parameters

<i>id</i>	Contributory identify
-----------	---------------------------------------

Implements [Models::IModel](#).

8.26.3.6 `bool Models::Contributory::operator!=(const Contributory & c)`

operator != define the operator "!=" to compare two [Contributory](#)

Parameters

<i>c</i>	the Contributory to compare with the current Contributory
----------	---

Returns

true if the [Contributory](#) are different else false

8.26.3.7 `bool Models::Contributory::operator==(const Contributory & c)`

operator == define the operator "==" to compare two [Contributory](#)

Parameters

<i>c</i>	the Contributory to compare with the current Contributory
----------	---

Returns

true if the [Contributory](#) are equals else false

8.26.3.8 `void Models::Contributory::setDescription (const QString & getDescription)`

setDescription Change the contributory description

Parameters

<i>getDescription</i>	The new description
-----------------------	---------------------

8.26.3.9 `void Models::Contributory::setNbHours (double value)`

setNbHours Change nbHours

Parameters

<i>value</i>	The new value of nbHours
--------------	--------------------------

8.26.3.10 `void Models::Contributory::setProject (Project * id)`

[Contributory::setProject](#) Modify the identify *id* of the [Project](#) linked to this [Contributory](#).

Parameters

<i>id</i>	Project Identify
-----------	----------------------------------

The documentation for this class was generated from the following files:

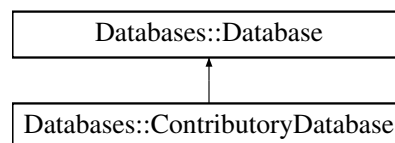
- /home/travis/build/FACT-Team/FactDev/src/models/contributory.h
- /home/travis/build/FACT-Team/FactDev/src/models/contributory.cpp

8.27 Databases::ContributoryDatabase Class Reference

The [ContributoryDatabase](#) class Contributory (or Quote) table database.

```
#include <contributorydatabase.h>
```

Inheritance diagram for Databases::ContributoryDatabase:



Public Member Functions

- [Models::Contributory](#) * [getContributory](#) (const int idContributory)
ContributoryDatabase::getCustomer get informations about the Contributory identified by pld
- [Models::ContributoriesList](#) [getContributoriesByBilling](#) (const int idBilling)
- int [addContributory](#) (const [Models::Contributory](#) &)
ContributoryDatabase::addContributory Add the Contributory pContributory to the database.
- void [updateContributory](#) (const [Models::Contributory](#) &)
ContributoryDatabase::updateCustomer Update informations about the Contributory pCustomer
- void [removeContributory](#) (const int pld)
ContributoryDatabase::removeCustomer Remove the Contributory with the id pld
- [Models::Contributory](#) * [getContributory](#) (QString &q)
getContributory Obtain a contributory without new query

Static Public Member Functions

- static [ContributoryDatabase](#) * [instance](#) () throw (DbException*)
ContributoryDatabase::getInstance Return an instance of [ContributoryDatabase](#)

Additional Inherited Members

8.27.1 Detailed Description

The [ContributoryDatabase](#) class Contributory (or Quote) table database.

Author

Cédric Rohaut

See Also

[Database](#)
Contributory/Quote

8.27.2 Member Function Documentation

8.27.2.1 `int Databases::ContributoryDatabase::addContributory (const Models::Contributory & pContributory)`

[ContributoryDatabase::addContributory](#) Add the Contributory *pContributory* to the database.

Returns

Contributory id

8.27.2.2 `Models::Contributory * Databases::ContributoryDatabase::getContributory (const int idContributory)`

`ContributoryDatabase::getCustomer` get informations about the Contributory identified by *pld*

Parameters

<i>idContributory</i>	Contributory id
-----------------------	-----------------

Returns

the Contributory

8.27.2.3 `Models::Contributory * Databases::ContributoryDatabase::getContributory (QSqlQuery & q)`

`getContributory` Obtain a contributory without new query

Parameters

<i>q</i>	The query to use
----------	------------------

Returns

The contributory linked to q

8.27.2.4 `ContributoryDatabase * Databases::ContributoryDatabase::instance () throw DbException *` `[static]`

`ContributoryDatabase::getInstance` Return an instance of [ContributoryDatabase](#)

See Also

`DbException`

Returns

Instance of [ContributoryDatabase](#)

8.27.2.5 `void Databases::ContributoryDatabase::removeContributory (const int pld)`

`ContributoryDatabase::removeCustomer` Remove the Contributory with the id *pld*

Parameters

<i>pld</i>	Contributory id
------------	-----------------

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/database/contributorydatabase.h
- /home/travis/build/FACT-Team/FactDev/src/database/contributorydatabase.cpp

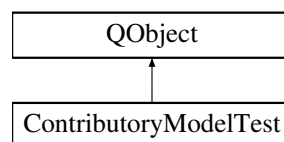
8.28 ContributoryListTest Class Reference

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/tests/models/contributorylisttest.h
- /home/travis/build/FACT-Team/FactDev/tests/models/contributorylisttest.cpp

8.29 ContributoryModelTest Class Reference

Inheritance diagram for ContributoryModelTest:

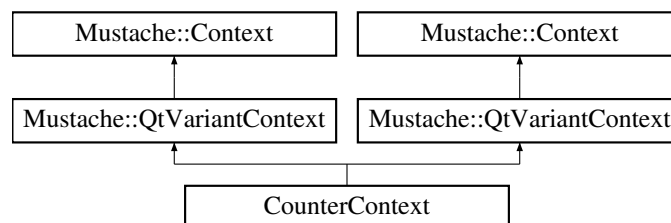


The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/tests/models/contributorymodeltest.h
- /home/travis/build/FACT-Team/FactDev/tests/models/contributorymodeltest.cpp

8.30 CounterContext Class Reference

Inheritance diagram for CounterContext:



Public Member Functions

- **CounterContext** (const QVariantHash &map)
- virtual bool [canEval](#) (const QString &key) const
- virtual QString [eval](#) (const QString &key, const QString &_template, [Mustache::Renderer](#) *renderer)
- virtual QString [stringValue](#) (const QString &key) const
- **CounterContext** (const QVariantHash &map)

- virtual bool [canEval](#) (const QString &key) const
- virtual QString [eval](#) (const QString &key, const QString &_template, [Mustache::Renderer](#) *renderer)
- virtual QString [stringValue](#) (const QString &key) const

Public Attributes

- int **counter**

Additional Inherited Members

8.30.1 Member Function Documentation

8.30.1.1 virtual bool CounterContext::canEval (const QString &key) const [inline],[virtual]

Returns true if [eval\(\)](#) should be used to render section tags using *key*. If [canEval\(\)](#) returns true for a key, the renderer will pass the literal, unrendered block of text for the section to [eval\(\)](#) and replace the section with the result.

[canEval\(\)](#) and [eval\(\)](#) are equivalents for callable objects (eg. lambdas) in other Mustache implementations.

The default implementation always returns false.

Reimplemented from [Mustache::QtVariantContext](#).

8.30.1.2 virtual bool CounterContext::canEval (const QString &key) const [inline],[virtual]

Returns true if [eval\(\)](#) should be used to render section tags using *key*. If [canEval\(\)](#) returns true for a key, the renderer will pass the literal, unrendered block of text for the section to [eval\(\)](#) and replace the section with the result.

[canEval\(\)](#) and [eval\(\)](#) are equivalents for callable objects (eg. lambdas) in other Mustache implementations.

The default implementation always returns false.

Reimplemented from [Mustache::QtVariantContext](#).

8.30.1.3 virtual QString CounterContext::eval (const QString &key, const QString &_template, [Mustache::Renderer](#) *renderer) [inline],[virtual]

Callback used to render a template section with the given *key*. *renderer* will substitute the original section tag with the result of [eval\(\)](#).

The default implementation returns an empty string.

Reimplemented from [Mustache::QtVariantContext](#).

8.30.1.4 virtual QString CounterContext::eval (const QString &key, const QString &_template, [Mustache::Renderer](#) *renderer) [inline],[virtual]

Callback used to render a template section with the given *key*. *renderer* will substitute the original section tag with the result of [eval\(\)](#).

The default implementation returns an empty string.

Reimplemented from [Mustache::QtVariantContext](#).

8.30.1.5 virtual QString CounterContext::stringValue (const QString &key) const [inline],[virtual]

Returns a string representation of the value for *key* in the current context. This is used to replace a Mustache value tag.

Reimplemented from [Mustache::QtVariantContext](#).

8.30.1.6 virtual QString CounterContext::stringValue (const QString &key) const [inline],[virtual]

Returns a string representation of the value for `key` in the current context. This is used to replace a Mustache value tag.

Reimplemented from [Mustache::QtVariantContext](#).

The documentation for this class was generated from the following file:

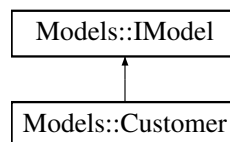
- /home/travis/build/FACT-Team/FactDev/src/libs/qt-mustache/tests/test_mustache.cpp

8.31 Models::Customer Class Reference

The [Customer](#) class [Customer](#).

```
#include <customer.h>
```

Inheritance diagram for Models::Customer:



Public Member Functions

- [Customer](#) ()
Customer::Customer Construct a [Customer](#).
- [Customer](#) (int id)
Customer::Customer Construct a [Customer](#) who is specified by id
- void [commit](#) ()
Customer::commit Update customer data on the database.
- void [hydrat](#) (int id)
Customer::hydrat Insert into database informations related to the [Customer](#) who is specified by id
- void [remove](#) ()
Customer::remove Remove the current customer.
- QVariantHash [getDataMap](#) ()
getDataMap Get all data of model with a HashMap key/value
- QString [getFirstnameReferent](#) () const
Customer::getFirstnameReferent Return the firstname of the referent [Customer](#).
- void [setFirstnameReferent](#) (const QString &firstnameReferent)
Customer::setFirstnameReferent Replace the referent firstname of the customer by firstnameReferent
- QString [getLastnameReferent](#) () const
Customer::getLastnameReferent Return the lastname of the referent [Customer](#).
- void [setLastnameReferent](#) (const QString &lastnameReferent)
Customer::setLastnameReferent Replace the referent lastname of the customer by lastnameReferent
- QString [getCompany](#) () const
Customer::getCompany Return the name of the company customer.
- void [setCompany](#) (const QString &company)
Customer::setCompany Replace the company name by company

- QString [getAddress](#) () const
Customer::getAddress Return the address (name and street number) of the customer company.
- void [setAddress](#) (const QString &address)
Customer::setAddress Replace the current company address by the new address
- QString [getPostalCode](#) () const
Customer::getPostalCode Return the postal code of the customer company.
- void [setPostalCode](#) (const QString &postalCode)
Customer::setPostalCode Replace the current postal code of the customer company by the new postalCode
- QString [getCity](#) () const
Customer::getCity Return the city of the customer company.
- void [setCity](#) (const QString &city)
Customer::setCity Replace the current city of the customer company by the new city
- QString [getCountry](#) () const
Customer::getCountry Return the country of the customer company.
- void [setCountry](#) (const QString &country)
Customer::setCountry Replace the country of the [Customer](#) company by country
- QString [getEmail](#) () const
Customer::getEmail Return the email of the customer company.
- void [setEmail](#) (const QString &email)
Customer::setEmail Replace the email of the [Customer](#) company by email
- QString [getMobilePhone](#) () const
Customer::getMobilePhone Return the number of the mobile phone of the customer company.
- void [setMobilePhone](#) (const QString &mobilePhone)
Customer::setMobilePhone Replace the current mobile phone of the customer company by mobilePhone
- QString [getPhone](#) () const
Customer::getPhone Return the number of desktop phone.
- void [setPhone](#) (const QString &phone)
Customer::setPhone Replace the current number of desktop phone by phone
- QString [getFax](#) () const
Customer::getFax Return the fax number.
- void [setFax](#) (const QString &fax)
Customer::setFax Replace the current fax number by fax
- QString [getPath](#) () const
Customer::getPath Return the path of the workspace for the current [Customer](#).
- QString [getNameFolder](#) () const
Customer::getNameFolder Return the name of the current [Customer](#)'s folder in the workspace.
- bool [operator==](#) (const [Customer](#) &c)
Customer::operator == Re-define the operator "==" to compare if the current customer is the same to the other [Customer](#) c Return TRUE if both customers are the same, else FALSE.
- bool [operator!=](#) (const [Customer](#) &c)
Customer::operator != Re-define the operator "!=" to compare if the current customer is different to the other [Customer](#) c Return TRUE if both customers are different, else FALSE.

Additional Inherited Members

8.31.1 Detailed Description

The [Customer](#) class [Customer](#).

Author

Antoine de Roquemaurel
Florent Berbie

8.31.2 Constructor & Destructor Documentation

8.31.2.1 Models::Customer::Customer (int *id*)

[Customer::Customer](#) Construct a [Customer](#) who is specified by *id*

Parameters

<i>id</i>	Customer identify
-----------	-----------------------------------

8.31.3 Member Function Documentation

8.31.3.1 QString Models::Customer::getAddress () const

[Customer::getAddress](#) Return the address (name and street number) of the customer company.

Returns

company address

8.31.3.2 QString Models::Customer::getCity () const

[Customer::getCity](#) Return the city of the customer company.

Returns

city of the customer company

8.31.3.3 QString Models::Customer::getCompany () const

[Customer::getCompany](#) Return the name of the company customer.

Returns

name of the company customer

8.31.3.4 QString Models::Customer::getCountry () const

[Customer::getCountry](#) Return the country of the customer company.

Returns

country of the customer company

8.31.3.5 QVariantHash Models::Customer::getDataMap () [virtual]

[getDataMap](#) Get all data of model with a HashMap key/value

Returns

Model's data

Implements [Models::IModel](#).

8.31.3.6 QString Models::Customer::getEmail () const

[Customer::getEmail](#) Return the email of the customer company.

Returns

email of the customer company

8.31.3.7 QString Models::Customer::getFax () const

[Customer::getFax](#) Return the fax number.

Returns

fax number

8.31.3.8 QString Models::Customer::getFirstnameReferent () const

[Customer::getFirstnameReferent](#) Return the firstname of the referent [Customer](#).

Returns

Referent firstname of the customer

8.31.3.9 QString Models::Customer::getLastnameReferent () const

[Customer::getLastnameReferent](#) Return the lastname of the referent [Customer](#).

Returns

Referent lastname of the customer

8.31.3.10 QString Models::Customer::getMobilePhone () const

[Customer::getMobilePhone](#) Return the number of the mobile phone of the customer company.

Returns

number of mobile phone

8.31.3.11 QString Models::Customer::getNameFolder () const

[Customer::getNameFolder](#) Return the name of the current [Customer](#)'s folder in the workspace.

Returns

name of the [Customer](#)'s folder

8.31.3.12 QString Models::Customer::getPath () const

[Customer::getPath](#) Return the path of the workspace for the current [Customer](#).

Returns

workspace path

8.31.3.13 QString Models::Customer::getPhone () const

[Customer::getPhone](#) Return the number of desktop phone.

Returns

number of desktop phone

8.31.3.14 QString Models::Customer::getPostalCode () const

[Customer::getPostalCode](#) Return the postal code of the customer company.

Returns

postal code of the customer company

8.31.3.15 void Models::Customer::hydrat (int *id*) [virtual]

[Customer::hydrat](#) Insert into database informations related to the [Customer](#) who is specified by *id*

Parameters

<i>id</i>	Customer identify
-----------	-----------------------------------

Implements [Models::IModel](#).

8.31.3.16 bool Models::Customer::operator!= (const Customer & *c*)

[Customer::operator ==](#) Re-define the operator "!=" to compare if the current customer is differnt to the other [Customer](#) *c* Return TRUE if both customers are different, else FALSE.

Parameters

<i>c</i>	Customer to compare
----------	-------------------------------------

Returns

boolean

8.31.3.17 bool Models::Customer::operator== (const Customer & *c*)

[Customer::operator ==](#) Re-define the operator "==" to compare if the current customer is the same to the other [Customer](#) *c* Return TRUE if both customers are the same, else FALSE.

Parameters

<i>c</i>	Customer to compare
----------	-------------------------------------

Returns

boolean

8.31.3.18 void Models::Customer::setAddress (const QString & *address*)

[Customer::setAddress](#) Replace the current company address by the new *address*

Parameters

<i>address</i>	New company address
----------------	---------------------

8.31.3.19 void Models::Customer::setCity (const QString & *city*)

[Customer::setCity](#) Replace the current city of the customer company by the new *city*

Parameters

<i>city</i>	New city of the customer company
-------------	----------------------------------

8.31.3.20 void Models::Customer::setCompany (const QString & *company*)

[Customer::setCompany](#) Replace the company name by *company*

Parameters

<i>company</i>	New company name
----------------	------------------

8.31.3.21 void Models::Customer::setCountry (const QString & *country*)

[Customer::setCountry](#) Replace the country of the [Customer](#) company by *country*

Parameters

<i>country</i>	New country of the customer company
----------------	-------------------------------------

8.31.3.22 void Models::Customer::setEmail (const QString & *email*)

[Customer::setEmail](#) Replace the email of the [Customer](#) company by *email*

Parameters

<i>email</i>	New email of the customer company
--------------	-----------------------------------

8.31.3.23 void Models::Customer::setFax (const QString & *fax*)

[Customer::setFax](#) Replace the current fax number by *fax*

Parameters

<i>fax</i>	new fax number
------------	----------------

8.31.3.24 void Models::Customer::setFirstnameReferent (const QString & *firstnameReferent*)

[Customer::setFirstnameReferent](#) Replace the referent firstname of the customer by *firstnameReferent*

Parameters

<i>firstname-Referent</i>	New referent firstname of the Customer
---------------------------	--

8.31.3.25 void Models::Customer::setLastnameReferent (const QString & *lastnameReferent*)

Customer::setLarstnameReferent Replace the referent lastname of the customer by *lastnameReferent*

Parameters

<i>lastname-Referent</i>	New referent lastname of the Customer
--------------------------	---

8.31.3.26 void Models::Customer::setMobilePhone (const QString & *mobilePhone*)

[Customer::setMobilePhone](#) Replace the current mobile phone of the customer company by *mobilePhone*

Parameters

<i>mobilePhone</i>	New number of mobile phone
--------------------	----------------------------

8.31.3.27 void Models::Customer::setPhone (const QString & *phone*)

[Customer::setPhone](#) Replace the current number of desktop phone by *phone*

Parameters

<i>phone</i>	New number of desktop phone
--------------	-----------------------------

8.31.3.28 void Models::Customer::setPostalCode (const QString & *postalCode*)

[Customer::setPostalCode](#) Replace the current postal code of the customer company by the new *postalCode*

Parameters

<i>postalCode</i>	New postal code of the customer company
-------------------	---

The documentation for this class was generated from the following files:

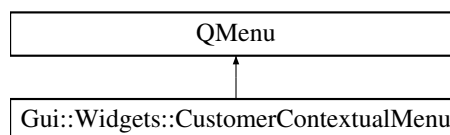
- /home/travis/build/FACT-Team/FactDev/src/models/customer.h
- /home/travis/build/FACT-Team/FactDev/src/models/customer.cpp

8.32 Gui::Widgets::CustomerContextualMenu Class Reference

Display contextual menu on a customer.

```
#include <customercontextualmenu.h>
```

Inheritance diagram for Gui::Widgets::CustomerContextualMenu:



Public Member Functions

- [CustomerContextualMenu](#) (QWidget *w=0)
[CustomerContextualMenu](#) Construct a new contextual menu.
- [~CustomerContextualMenu](#) ()
Destruct the contextual menu.

8.32.1 Detailed Description

Display contextual menu on a customer.

Author

Antoine de Roquemaurel

8.32.2 Constructor & Destructor Documentation

8.32.2.1 Gui::Widgets::CustomerContextualMenu::CustomerContextualMenu (QWidget * w = 0)

[CustomerContextualMenu](#) Construct a new contextual menu.

Parameters

<i>w</i>	Parent
----------	--------

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/customercontextualmenu.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/customercontextualmenu.cpp

8.33 Databases::CustomerDatabase Class Reference

The [CustomerDatabase](#) class Customer table database.

```
#include <customerdatabase.h>
```

Inheritance diagram for Databases::CustomerDatabase:



Public Member Functions

- [WdgModels::CustomersTableModel * getCustomersTable](#) (QString filter="") throw (DbException*)
[CustomerDatabase::getCustomersTable](#) Return an item model of customers for QTableView.
- [QStandardItemModel * getTree](#) (QString filter="") throw (DbException*)
[CustomerDatabase::getTree](#) Return an item model of customers for QTree.
- [QSharedPointer< Models::Customer > getCustomer](#) (const int pld)
[CustomerDatabase::getCustomer](#) get informations about the customer identified by pld
- [int addCustomer](#) (const [Models::Customer](#) &)
[CustomerDatabase::addCustomer](#) Add the customer pCustomer to the database.
- [void updateCustomer](#) (const [Models::Customer](#) &)
[CustomerDatabase::updateCustomer](#) Update informations about the customer pCustomer
- [void removeCustomer](#) (const int pld)
[CustomerDatabase::removeCustomer](#) Remove the customer with the id pld
- [int getNbCustomers](#) ()
[CustomerDatabase::getNbCustomers](#) Return the number of customers existing.
- [QStandardItem * getItemRoot](#) ()

- [*CustomerDatabase::getItemRoot*](#) Return the first item for the *QStandardItemModel*.
- *QStandardItem* * [*getItemCustomer*](#) (*QSqlQuery* q1)
[*CustomerDatabase::getItemCustomer*](#) Return the customer item for the *QStandardItemModel*.
- *QStandardItem* * [*getItemProject*](#) (*QSqlQuery* q2)
[*CustomerDatabase::getItemProject*](#) Return the project item for the *QStandardItemModel*.
- *QStandardItem* * [*getItemBillQuote*](#) (*QSqlQuery* q3)
[*CustomerDatabase::getItemCustomer*](#) Return the bill/quote item for the *QStandardItemModel*.
- *QSharedPointer*< [*Models::Customer*](#) > [*getCustomer*](#) (*QSqlQuery* &q)
[*CustomerDatabase::getCustomer*](#) Add the element of the q request and return their.
- void [*updateCustomer*](#) (*QSqlQuery* &q, [*Customer*](#) &pCustomer)
[*CustomerDatabase::updateCustomer*](#) Update customer data according to the request q

Static Public Member Functions

- static [*CustomerDatabase*](#) * [*instance*](#) () throw (*DbException**)
[*CustomerDatabase::instance*](#) Return an instance of [*CustomerDatabase*](#)

Additional Inherited Members

8.33.1 Detailed Description

The [*CustomerDatabase*](#) class Customer table database.

Author

Antoine de Roquemaurel
Manantsoa Razanajatovo
Florent Berbie
Cédric Rohaut

See Also

[Database](#)
[Customer](#)

8.33.2 Member Function Documentation

8.33.2.1 `int Databases::CustomerDatabase::addCustomer (const Models::Customer & pCustomer)`

[*CustomerDatabase::addCustomer*](#) Add the customer *pCustomer* to the database.

Returns

customer id

8.33.2.2 `QSharedPointer< Models::Customer > Databases::CustomerDatabase::getCustomer (const int pId)`

[*CustomerDatabase::getCustomer*](#) get informations about the customer identified by *pId*

Parameters

<i>pId</i>	customer id
------------	-------------

Returns

the Customer

8.33.2.3 QSharedPointer< Models::Customer > Databases::CustomerDatabase::getCustomer (QSqlQuery & *q*)

[CustomerDatabase::getCustomer](#) Add the element of the *q* request and return their.

Parameters

<i>q</i>	SQL request
----------	-------------

Returns

a customer formed according to QSharedPointer

8.33.2.4 WdgModels::CustomersTableModel * Databases::CustomerDatabase::getCustomersTable (QString *filter* = " ") throw DbException *)

[CustomerDatabase::getCustomersTable](#) Return an item model of customers for QTableView.

Parameters

<i>filter</i>	Select only customers who are specified by <i>filter</i>
---------------	--

Exceptions

<i>DbException</i>	
--------------------	--

Returns

QStandardItemModel an item model for QTableView

8.33.2.5 QStandardItem * Databases::CustomerDatabase::getItemBillQuote (QSqlQuery *q3*)

[CustomerDatabase::getItemCustomer](#) Return the bill/quote item for the QStandardItemModel.

Parameters

<i>q3</i>	the first row of the sql query for bills/quotes
-----------	---

Returns

QStandardItem an item for QTree (level/depth 3)

8.33.2.6 QStandardItem * Databases::CustomerDatabase::getItemCustomer (QSqlQuery *q1*)

[CustomerDatabase::getItemCustomer](#) Return the customer item for the QStandardItemModel.

Parameters

<i>q1</i>	the row of the sql query for customers
-----------	--

Returns

QStandardItem an item for QTree (level/depth 1)

8.33.2.7 QStandardItem * Databases::CustomerDatabase::getItemProject (QSqlQuery *q2*)

[CustomerDatabase::getItemProject](#) Return the project item for the QStandardItemModel.

Parameters

<i>q2</i>	the row of the sql query for projects
-----------	---------------------------------------

Returns

QStandardItem an item for QTree (level/depth 2)

8.33.2.8 QStandardItem * Databases::CustomerDatabase::getItemRoot ()

[CustomerDatabase::getItemRoot](#) Return the first item for the QStandardItemModel.

Returns

QStandardItem an item for QTree (level/depth 0)

8.33.2.9 int Databases::CustomerDatabase::getNbCustomers ()

[CustomerDatabase::getNbCustomers](#) Return the number of customers existing.

Returns

number of customers

8.33.2.10 QStandardItemModel * Databases::CustomerDatabase::getTree (QString *filter* = " ") throw DbException *

[CustomerDatabase::getTree](#) Return an item model of customers for QTree.

Parameters

<i>filter</i>	Select only customers who are specified by <i>filter</i>
---------------	--

Exceptions

<i>DbException</i>	
--------------------	--

Returns

QStandardItemModel an item model for QTreeView

8.33.2.11 `CustomerDatabase * Databases::CustomerDatabase::instance () throw DbException *` `[static]`

[CustomerDatabase::instance](#) Return an instance of [CustomerDatabase](#)

See Also

[DbException](#)

Returns

Instance of [CustomerDatabase](#)

8.33.2.12 `void Databases::CustomerDatabase::removeCustomer (const int pId)`

[CustomerDatabase::removeCustomer](#) Remove the customer with the id *pId*

Parameters

<i>pId</i>	customer id
------------	-------------

8.33.2.13 `void Databases::CustomerDatabase::updateCustomer (QSqlQuery & q, Customer & pCustomer)`

[CustomerDatabase::updateCustomer](#) Update customer data according to the request *q*

Parameters

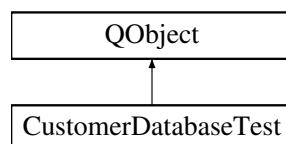
<i>q</i>	SQL request
----------	-------------

The documentation for this class was generated from the following files:

- `/home/travis/build/FACT-Team/FactDev/src/database/customerdatabase.h`
- `/home/travis/build/FACT-Team/FactDev/src/database/customerdatabase.cpp`

8.34 CustomerDatabaseTest Class Reference

Inheritance diagram for CustomerDatabaseTest:



The documentation for this class was generated from the following files:

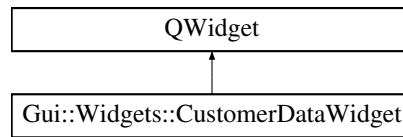
- `/home/travis/build/FACT-Team/FactDev/tests/database/customerdatabasetest.h`
- `/home/travis/build/FACT-Team/FactDev/tests/database/customerdatabasetest.cpp`

8.35 Gui::Widgets::CustomerDataWidget Class Reference

Class for display info of a customer.

```
#include <customerdatawidget.h>
```

Inheritance diagram for Gui::Widgets::CustomerDataWidget:



Public Member Functions

- **CustomerDataWidget** (QWidget *parent=0)
- void [printUserData](#) ()
printUserData Print Data of current user
- void [printInformations](#) (int id)
printInformations Print Data of customer id

8.35.1 Detailed Description

Class for display info of a customer.

Author

Cédric Rohaut

8.35.2 Member Function Documentation

8.35.2.1 void Gui::Widgets::CustomerDataWidget::printInformations (int id)

printInformations Print Data of customer id

Parameters

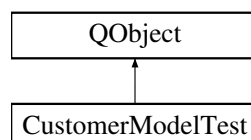
<i>id</i>	of customer to print
-----------	----------------------

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/customerdatawidget.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/customerdatawidget.cpp

8.36 CustomerModelTest Class Reference

Inheritance diagram for CustomerModelTest:



The documentation for this class was generated from the following files:

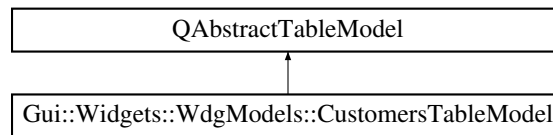
- /home/travis/build/FACT-Team/FactDev/tests/models/customermodeltest.h
- /home/travis/build/FACT-Team/FactDev/tests/models/customermodeltest.cpp

8.37 Gui::Widgets::WdgModels::CustomersTableModel Class Reference

The [CustomersTableModel](#) class for a customer table.

```
#include <customerstablemodel.h>
```

Inheritance diagram for Gui::Widgets::WdgModels::CustomersTableModel:



Public Member Functions

- [CustomersTableModel](#) (QObject *parent=0)
CustomersTableModel::CustomersTableModel Construct a [CustomersTableModel](#).
- int [rowCount](#) (const QModelIndex &) const
CustomersTableModel::rowCount Number of customers row.
- int [columnCount](#) (const QModelIndex &) const
CustomersTableModel::columnCount Number of column of a customer.
- QVariant [data](#) (const QModelIndex &index, int role=Qt::DisplayRole) const
CustomersTableModel::data Obtains data of a specify cell.
- QVariant [headerData](#) (int section, Qt::Orientation orientation, int role=Qt::DisplayRole) const
CustomersTableModel::headerData Obtains header title of table.
- bool [setData](#) (const QModelIndex &index, const QVariant &value, int role=Qt::EditRole)
CustomersTableModel::setData Change data of a cell.
- void [append](#) (const [Customer](#) &customer)
CustomersTableModel::append Add a new line in table.
- void [remove](#) (const int i)
CustomersTableModel::remove Remove a line.
- Qt::ItemFlags [flags](#) (const QModelIndex &index) const
CustomersTableModel::flags Differents table flags.
- int [count](#) ()
CustomersTableModel::count Number of customers in table.
- QList< [Customer](#) > [getCustomers](#) () const
CustomersTableModel::getCustomers Return the list of customers.

8.37.1 Detailed Description

The [CustomersTableModel](#) class for a customer table.

Author

Florent Berbie

See Also

[Customer](#)

8.37.2 Constructor & Destructor Documentation

8.37.2.1 Gui::Widgets::WdgModels::CustomersTableModel::CustomersTableModel (QObject * *parent* = 0)

[CustomersTableModel::CustomersTableModel](#) Construct a [CustomersTableModel](#).

Parameters

<i>parent</i>	Parent widget
---------------	---------------

8.37.3 Member Function Documentation

8.37.3.1 void Gui::Widgets::WdgModels::CustomersTableModel::append (const Customer & *customer*)

[CustomersTableModel::append](#) Add a new line in table.

Parameters

<i>Customer</i>	The new customer
-----------------	------------------

8.37.3.2 int Gui::Widgets::WdgModels::CustomersTableModel::columnCount (const QModelIndex &) const

[CustomersTableModel::columnCount](#) Number of column of a customer.

Returns

The number of column

8.37.3.3 int Gui::Widgets::WdgModels::CustomersTableModel::count ()

[CustomersTableModel::count](#) Number of customers in table.

Returns

The number of customers

8.37.3.4 QVariant Gui::Widgets::WdgModels::CustomersTableModel::data (const QModelIndex & *index*, int *role* = Qt::DisplayRole) const

[CustomersTableModel::data](#) Obtains data of a specify cell.

Parameters

<i>index</i>	The cell who we want data
<i>role</i>	The role of set

Returns

The data of cell

8.37.3.5 Qt::ItemFlags Gui::Widgets::WdgModels::CustomersTableModel::flags (const QModelIndex & *index*) const

[CustomersTableModel::flags](#) Differents table flags.

Parameters

<i>index</i>	The cell who we want to know flags
--------------	------------------------------------

Returns

Flags

8.37.3.6 `QList< Customer > Gui::Widgets::WdgModels::CustomersTableModel::getCustomers () const`

[CustomersTableModel::getCustomers](#) Return the list of customers.

Returns

list of Customers

8.37.3.7 `QVariant Gui::Widgets::WdgModels::CustomersTableModel::headerData (int section, Qt::Orientation orientation, int role = Qt::DisplayRole) const`

[CustomersTableModel::headerData](#) Obtains header title of table.

Parameters

<i>section</i>	The number of column
<i>orientation</i>	The table orientation
<i>role</i>	

Returns

The Title header of column

8.37.3.8 `void Gui::Widgets::WdgModels::CustomersTableModel::remove (const int i)`

[CustomersTableModel::remove](#) Remove a line.

Parameters

<i>i</i>	The number of line to remove
----------	------------------------------

8.37.3.9 `int Gui::Widgets::WdgModels::CustomersTableModel::rowCount (const QModelIndex &) const`

[CustomersTableModel::rowCount](#) Number of customers row.

Returns

The number of customers

8.37.3.10 `bool Gui::Widgets::WdgModels::CustomersTableModel::setData (const QModelIndex & index, const QVariant & value, int role = Qt::EditRole)`

[CustomersTableModel::setData](#) Change data of a cell.

Parameters

<i>index</i>	The cell to change data
<i>value</i>	The new value
<i>role</i>	The role of cell

Returns

True if we could edit

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/widgetsmodels/customerstablemodel.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/widgetsmodels/customerstablemodel.cpp

8.38 Databases::Database Class Reference

The **Database** class Master class for all database access.

```
#include <database.h>
```

Inheritance diagram for Databases::Database:



Public Member Functions

- QString **lastError** (const QSqlQuery &q) const
Database::lastError Return an error message on the last error occurred during the SQL request q
- void **testCases** ()
Database::testCases Realise a test cases.
- void **cleanDatabase** ()
Database::viderDatabase Clear database.
- void **executeFile** (QString pName)
Database::executerFichier Exeute a specified file named pName
- void **openTransaction** ()
Database::openTransaction Open new transaction.
- void **closeTransaction** ()
Database::closeTransaction Close current transaction.
- void **close** ()
Database::close Close database access.
- void **open** ()
Database::open Open database.
- **~Database** ()
Database::~Database Suppression object, and close database access.
- void **setDatabase** (QSqlDatabase sql)
Database::setDatabase Set database.
- void **createDatabase** ()
Database::createDatabase Create a new database.
- void **updateBillingNumber** ()
Database::updateBillingNumber Update the billing number.

Static Public Member Functions

- static Database * **instance** () throw (DbException*)
Database::getInstance Return an instance of *Database*.

Protected Member Functions

- Database () throw (DbException*)
Database::Database Database is a singleton.
- QVariant **value** (const QSqlQuery &q, const QString &champ) const
Database::valeur Value of database field.

Protected Attributes

- QSettings * [_settings](#)
settings
- QSqlDatabase [mDatabase](#)
contains Database
- QList< [Database](#) * > [_instances](#)
List of instances.

Static Protected Attributes

- static [Database](#) * [_instance](#) = 0
Instance.
- static bool [_dbInstance](#) = 0
an instance of db is open
- static bool [isOpen](#) = false
[Database](#) is open.

8.38.1 Detailed Description

The [Database](#) class Master class for all database access.

Author

Antoine de Roquemaurel

8.38.2 Member Function Documentation

8.38.2.1 void Databases::Database::executeFile (QString *pName*)

Database::executerFichier Exeute a specified file named *pName*

Parameters

<i>pNom</i>	File name
-------------	-----------

8.38.2.2 Database * Databases::Database::instance () throw DbException *) [static]

Database::getInstance Return an instance of [Database](#).

Returns

Instance of [Database](#)

8.38.2.3 QString Databases::Database::lastError (const QSqlQuery & *q*) const [inline]

[Database::lastError](#) Return an error message on the last error occurred during the SQL request *q*

Parameters

<i>q</i>	SQL request
----------	-------------

Returns

an error message

8.38.2.4 void Databases::Database::setDatabase (QSqlDatabase *sql*)

[Database::setDatabase](#) Set database.

Parameters

<i>sql</i>	The new database
------------	------------------

8.38.2.5 QVariant Databases::Database::value (const QSqlQuery & *q*, const QString & *champ*) const [protected]

Database::valeur Value of database field.

Parameters

<i>q</i>	Query
<i>champ</i>	Field

Returns

The value

The documentation for this class was generated from the following files:

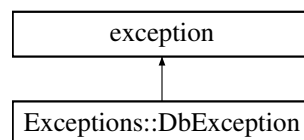
- /home/travis/build/FACT-Team/FactDev/src/database/database.h
- /home/travis/build/FACT-Team/FactDev/src/database/database.cpp

8.39 Exceptions::DbException Class Reference

The [DbException](#) class for database exception : queries, db file, ...

```
#include <dbexception.h>
```

Inheritance diagram for Exceptions::DbException:

**Public Member Functions**

- [DbException](#) (const QString *fct*, const QString *fctName*, const QString *logError*, float *errorCode*)
[DbException::DbException](#). Construct a [DbException](#).
- virtual [~DbException](#) () throw ()
[~DbException](#)
- void [popupMessage](#) (QWidget *parent)
[DbException::popupMessage](#). Display a popup message with the message error.

8.39.1 Detailed Description

The [DbException](#) class for database exception : queries, db file, ...

Author

Antoine de Roquemaurel

8.39.2 Constructor & Destructor Documentation

8.39.2.1 `Exceptions::DbException::DbException (const QString fct, const QString fctName, const QString logError, float errorCode)`

[DbException::DbException](#). Construct a [DbException](#).

Parameters

<i>userError</i>	ClassName of error
<i>fctName</i>	Function name
<i>logError</i>	Message error
<i>errorCode</i>	Code of error

8.39.3 Member Function Documentation

8.39.3.1 `void Exceptions::DbException::popupMessage (QWidget * parent)`

[DbException::popupMessage](#). Display a popup message with the message error.

Parameters

<i>parent</i>	
---------------	--

The documentation for this class was generated from the following files:

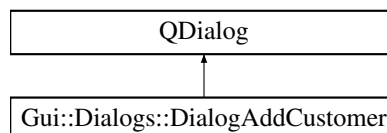
- /home/travis/build/FACT-Team/FactDev/src/exceptions/dbexception.h
- /home/travis/build/FACT-Team/FactDev/src/exceptions/dbexception.cpp

8.40 Gui::Dialogs::DialogAddCustomer Class Reference

The [DialogAddCustomer](#) class Window to add or modify a Customer.

```
#include <dialogaddcustomer.h>
```

Inheritance diagram for Gui::Dialogs::DialogAddCustomer:



Public Slots

- void [checkFields](#) ()
setFieldsComponents

Public Member Functions

- [DialogAddCustomer](#) (int id=0, QWidget *parent=0)
DialogAddCustomer Construct a window to add/modify a Customer.
- void [fillFields](#) ()
fillFields If the Customer exists, fill line edits with the data of the current Customer
- void [accept](#) ()
accept Valid data inputed by user and add these data in Database
- void [reject](#) ()
reject Cancel the operation and close the windows

8.40.1 Detailed Description

The [DialogAddCustomer](#) class Window to add or modify a Customer.

Author

Cédric Rohaut

8.40.2 Constructor & Destructor Documentation

8.40.2.1 [Gui::Dialogs::DialogAddCustomer::DialogAddCustomer \(int id = 0, QWidget * parent = 0 \)](#) [explicit]

[DialogAddCustomer](#) Construct a window to add/modify a Customer.

Parameters

<i>id</i>	Customer id
<i>parent</i>	QWidget parent

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/gui/dialogs/dialogaddcustomer.h
- /home/travis/build/FACT-Team/FactDev/src/gui/dialogs/dialogaddcustomer.cpp

8.41 Utils::Directories Class Reference

Static Public Member Functions

- static QString [makeDirectory](#) (QDir &directory, const QString path, const QString folder) throw (Exceptions::FileException*)
MainWindow::makeDirectory If not exists make a new directory folder

8.41.1 Member Function Documentation

8.41.1.1 [QString Utils::Directories::makeDirectory \(QDir & directory, const QString path, const QString folder \)](#) throw [Exceptions::FileException *](#) [static]

MainWindow::makeDirectory If not exists make a new directory folder

Parameters

<i>path</i>	Return the path of the folder just created
<i>folder</i>	Folder name to create

Returns

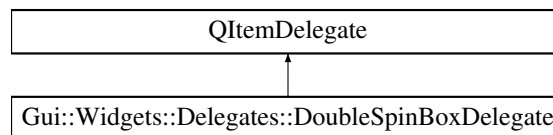
Path of the folder just created

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/utls/directories.h
- /home/travis/build/FACT-Team/FactDev/src/utls/directories.cpp

8.42 Gui::Widgets::Delegates::DoubleSpinBoxDelegate Class Reference

Inheritance diagram for Gui::Widgets::Delegates::DoubleSpinBoxDelegate:



Public Member Functions

- **DoubleSpinBoxDelegate** (QObject *parent=0)
- QWidget * **createEditor** (QWidget *parent, const QStyleOptionViewItem &option, const QModelIndex &index) const
- void **setEditorData** (QWidget *editor, const QModelIndex &index) const
- void **setModelData** (QWidget *editor, QAbstractItemModel *model, const QModelIndex &index) const
- void **updateEditorGeometry** (QWidget *editor, const QStyleOptionViewItem &option, const QModelIndex &index) const

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/delegates/doublespinboxdelegate.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/delegates/doublespinboxdelegate.cpp

8.43 Exceptions::FileException Class Reference

The [FileException](#) class for file/access file exception.

```
#include <fileexception.h>
```

Public Member Functions

- [FileException](#) (const QString userError, const QString fctName, const QString logError, float errorCode)
FileException::FileException. Construct a FileException.
- void [popupMessage](#) (QWidget *parent)
FileException::popupMessage. Display a popup message with the message error.

8.43.1 Detailed Description

The [FileException](#) class for file/access file exception.

Author

Florent Berbie

8.43.2 Constructor & Destructor Documentation

8.43.2.1 `Exceptions::FileException::FileException (const QString userError, const QString fctName, const QString logError, float errorCode)`

[FileException::FileException](#). Construct a [FileException](#).

Parameters

<i>userError</i>	ClassName of error
<i>fctName</i>	Function name
<i>logError</i>	Message error
<i>errorCode</i>	Code of error

8.43.3 Member Function Documentation

8.43.3.1 `void Exceptions::FileException::popupMessage (QWidget * parent)`

[FileException::popupMessage](#). Display a popup message with the message error.

Parameters

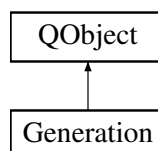
<i>parent</i>	
---------------	--

The documentation for this class was generated from the following files:

- `/home/travis/build/FACT-Team/FactDev/src/exceptions/fileexception.h`
- `/home/travis/build/FACT-Team/FactDev/src/exceptions/fileexception.cpp`

8.44 Generation Class Reference

Inheritance diagram for Generation:



The documentation for this class was generated from the following files:

- `/home/travis/build/FACT-Team/FactDev/tests/generation.h`
- `/home/travis/build/FACT-Team/FactDev/tests/generation.cpp`

8.45 Generator Class Reference

Public Member Functions

- **Generator** (QString tpl)
- void **generate** (QVariantHash data, QString path)

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/generator.h
- /home/travis/build/FACT-Team/FactDev/src/generator.cpp

8.46 Utils::HierarchicalSystem Class Reference

The [HierarchicalSystem](#) class Create class which contains hierarchical system of FactDev.

```
#include <hierarchicalseystem.h>
```

Public Member Functions

- [HierarchicalSystem](#) ()
HierarchicalSystem::HierarchicalSystem Construct a [HierarchicalSystem](#).
- void [getAllProjects](#) ()
HierarchicalSystem::getAllProjects Get all projects and add each project to Customer linked.
- void [getAllBillings](#) ()
HierarchicalSystem::getAllBillings Get all billings and add each billing to Project linked.
- void [updateData](#) ()
HierarchicalSystem::updateData Update data on Customers, Projects, Billings.
- void [addProjectToCustomer](#) (Project *p, Customer c)
HierarchicalSystem::addProjectToCustomer Add the Project p to the Customer c
- void [addBillingToProject](#) (Billing *b, Project *p)
HierarchicalSystem::addBillingToProject Add the Billing b to the Project p
- QMap< [Project](#) *, [Customer](#) > [getCustomers](#) () const
HierarchicalSystem::getCustomers Return all customers and these projects linked.
- QMap< [Billing](#) *, [Project](#) * > [getProjects](#) () const
HierarchicalSystem::getProjects Return all projects and these billing linked.

8.46.1 Detailed Description

The [HierarchicalSystem](#) class Create class which contains hierarchical system of FactDev.

Author

Florent Berbie

See Also

Customer
Project
Billing

8.46.2 Member Function Documentation

8.46.2.1 void Utils::HierarchicalSystem::addBillingToProject (Billing * *b*, Project * *p*)

[HierarchicalSystem::addBillingToProject](#) Add the Billing *b* to the Project *p*

Parameters

<i>b</i>	Billing
<i>p</i>	Project

8.46.2.2 void Utils::HierarchicalSystem::addProjectToCustomer (Project * *p*, Customer *c*)

[HierarchicalSystem::addProjectToCustomer](#) Add the Project *p* to the Customer *c*

Parameters

<i>p</i>	Project
<i>c</i>	Customer

8.46.2.3 QMap< Project *, Customer > Utils::HierarchicalSystem::getCustomers () const

[HierarchicalSystem::getCustomers](#) Return all customers and these projects linked.

Returns

Projects linked to Customers

8.46.2.4 QMap< Billing *, Project * > Utils::HierarchicalSystem::getProjects (void) const

[HierarchicalSystem::getProjects](#) Return all projects and these billing linked.

Returns

Billing linked to Projects

The documentation for this class was generated from the following files:

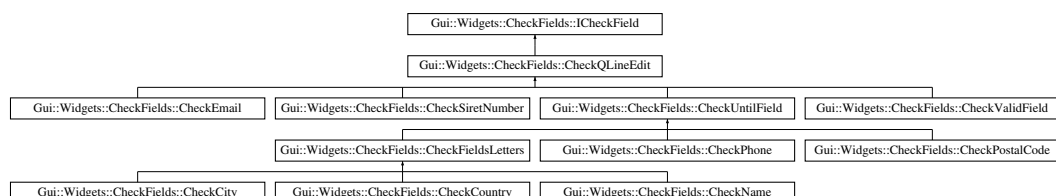
- /home/travis/build/FACT-Team/FactDev/src/utls/hierarchicalsistem.h
- /home/travis/build/FACT-Team/FactDev/src/utls/hierarchicalsistem.cpp

8.47 Gui::Widgets::CheckFields::ICheckField Class Reference

The [ICheckField](#) class Interface to check fields validity.

```
#include <icheckfield.h>
```

Inheritance diagram for Gui::Widgets::CheckFields::ICheckField:



Public Member Functions

- virtual bool [check](#) (QString text)=0
check Check if the field (line edit) is valid Return TRUE if the field is valid, else FALSE

8.47.1 Detailed Description

The [ICheckField](#) class Interface to check fields validity.

8.47.2 Member Function Documentation

8.47.2.1 `virtual bool Gui::Widgets::CheckFields::ICheckField::check (QString text) [pure virtual]`

check Check if the field (line edit) is valid Return TRUE if the field is valid, else FALSE

Returns

boolean

Implemented in [Gui::Widgets::CheckFields::CheckEmail](#), [Gui::Widgets::CheckFields::CheckPhone](#), [Gui::Widgets::CheckFields::CheckPostalCode](#), [Gui::Widgets::CheckFields::CheckSiretNumber](#), [Gui::Widgets::CheckFields::CheckUntilField](#), [Gui::Widgets::CheckFields::CheckFieldsLetters](#), and [Gui::Widgets::CheckFields::CheckValidField](#).

The documentation for this class was generated from the following file:

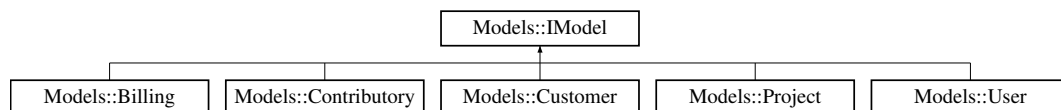
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/ichckfield.h

8.48 Models::IModel Class Reference

The [IModel](#) class.

```
#include <imodel.h>
```

Inheritance diagram for Models::IModel:



Public Member Functions

- virtual `~IModel ()`
~IModel Remove an instance of IModel
- virtual void `commit ()=0`
IModel::commit Update or insert data into the database.
- virtual void `hydrat (int id)=0`
IModel::hydrat Get data of the element which is specified by the identify id from the database.
- virtual void `remove ()=0`
IModel::remove Remove the current element in the database.
- virtual QVariantHash `getDataMap ()=0`
getDataMap Get all data of model with a HashMap key/value
- int `getId () const`
IModel::getId Return the identify of the element of the database.
- void `setId (int id)`
IModel::setId Replace the current identify by id
- bool `isToRemoved () const`
toRemoved return if object must be removed.
- void `setToRemoved (bool toRemoved)`
setToRemoved Change the flag for removed object

Protected Attributes

- `int _id`
Element identify.
- `bool _toRemoved`
Flag to know if the object must be removed.

8.48.1 Detailed Description

The `IModel` class.

Author

Antoine de Roquemaurel

8.48.2 Member Function Documentation

8.48.2.1 `virtual QVariantHash Models::IModel::getDataMap () [pure virtual]`

`getDataMap` Get all data of model with a `HashMap` key/value

Returns

Model's data

Implemented in `Models::Billing`, `Models::Project`, `Models::User`, `Models::Contributory`, and `Models::Customer`.

8.48.2.2 `int Models::IModel::getId () const [inline]`

`IModel::getId` Return the identify of the element of the database.

Returns

identity

8.48.2.3 `virtual void Models::IModel::hydrat (int id) [pure virtual]`

`IModel::hydrat` Get data of the element which is specified by the identify `id` from the database.

Parameters

<code>id</code>	
-----------------	--

Implemented in `Models::Project`, `Models::Billing`, `Models::User`, `Models::Contributory`, and `Models::Customer`.

8.48.2.4 `bool Models::IModel::isToRemoved () const [inline]`

`toRemoved` return if object must be removed.

Returns

8.48.2.5 `void Models::IModel::setId (int id) [inline]`

`IModel::setId` Replace the current identify by `id`

Parameters

<i>id</i>	New identify
-----------	--------------

8.48.2.6 void Models::IModel::setToRemoved (bool *toRemoved*) [inline]

setToRemoved Change the flag for removed object

Parameters

<i>toRemoved</i>	The new flag
------------------	--------------

The documentation for this class was generated from the following file:

- /home/travis/build/FACT-Team/FactDev/src/models/imodel.h

8.49 Utils::ItemType Class Reference

The [ItemType](#) class Item type model.

```
#include <itemtype.h>
```

Public Member Functions

- [ItemType](#) (int type, QString name)
ItemType::ItemType Construct an Item type.
- QString [getName](#) () const
ItemType::getName Get item name.
- Models::IModel * [getModel](#) (int id)
ItemType::getModel Get the databasemodel of the [ItemType](#) according to this identity id
- void [setName](#) (const QString &name)
ItemType::setName Modify the item name.
- int [getType](#) () const
ItemType::getType Get the type of the current item.
- void [setType](#) (int type)
ItemType::setType Modify the type of the current item.

Static Public Attributes

- static const int [CUSTOMER](#) = 0
constant value assigned to Customer
- static const int [PROJECT](#) = 1
constant value assigned to Project
- static const int [BILLING](#) = 2
constant value assigned to Billing
- static const int [QUOTE](#) = 3
constant value assigned to Quote

8.49.1 Detailed Description

The [ItemType](#) class Item type model.

8.49.2 Constructor & Destructor Documentation

8.49.2.1 Utils::ItemType::ItemType (int *type*, QString *name*)

[ItemType::ItemType](#) Construct an Item type.

Parameters

<i>type</i>	Type of the item
<i>name</i>	Name of the item

8.49.3 Member Function Documentation

8.49.3.1 Models::IModel * Utils::ItemType::getModel (int *id*)

[ItemType::getModel](#) Get the databasemodel of the [ItemType](#) according to this identity *id*

Parameters

<i>id</i>	Item type identity
-----------	--------------------

Returns

database model

8.49.3.2 QString Utils::ItemType::getName () const

[ItemType::getName](#) Get item name.

Returns

item name

8.49.3.3 int Utils::ItemType::getType () const

[ItemType::getType](#) Get the type of the current item.

Returns

type of the current item

8.49.3.4 void Utils::ItemType::setName (const QString & *name*)

[ItemType::setName](#) Modify the item name.

Parameters

<i>name</i>	New Item name
-------------	---------------

8.49.3.5 void Utils::ItemType::setType (int *type*)

[ItemType::setType](#) Modify the type of the current item.

Parameters

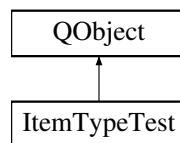
<i>type</i>	New item type
-------------	---------------

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/utils/itemtype.h
- /home/travis/build/FACT-Team/FactDev/src/utils/itemtype.cpp

8.50 ItemTypeTest Class Reference

Inheritance diagram for ItemTypeTest:



The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/tests/utils/itemtypetest.h
- /home/travis/build/FACT-Team/FactDev/tests/utils/itemtypetest.cpp

8.51 Utils::Log Class Reference

The [Log](#) class for Simple management of log.

```
#include <log.h>
```

Public Member Functions

- [~Log](#) ()
Log::~~Log.
- void [write](#) (const QString text)
Log::write. Write log message in file.
- [Log](#) ()
Log::Log. Log is a singleton.

Static Public Member Functions

- static [Log](#) & [instance](#) (TypeLog type=INFO)
Log::instance. Return the instance of logger.

Friends

- [Log](#) & [operator<<](#) ([Log](#) &logger, const QString &text)
operator << for log writing

8.51.1 Detailed Description

The [Log](#) class for Simple management of log.

8.51.2 Member Function Documentation

8.51.2.1 `Log & Utils::Log::instance (TypeLog type = INFO) [static]`

[Log::instance](#). Return the instance of logger.

Parameters

<i>type</i>	Type of log : WARNING, INFO, ERROR
-------------	------------------------------------

Returns

Instance of logger.

8.51.2.2 `void Utils::Log::write (const QString text)`

[Log::write](#). Write log message in file.

Parameters

<i>text</i>	
-------------	--

8.51.3 Friends And Related Function Documentation

8.51.3.1 `Log& operator<< (Log & logger, const QString & text) [friend]`

operator << for log writing

Parameters

<i>logger</i>	Instance of Logger
<i>text</i>	Text to write

Returns

New logger.

The documentation for this class was generated from the following files:

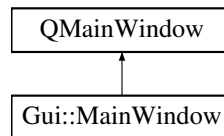
- /home/travis/build/FACT-Team/FactDev/src/utils/log.h
- /home/travis/build/FACT-Team/FactDev/src/utils/log.cpp

8.52 Gui::MainWindow Class Reference

The [MainWindow](#) class Main Window of the software.

```
#include <mainwindow.h>
```

Inheritance diagram for Gui::MainWindow:



Public Slots

- void [addCustomer](#) ()
MainWindow::addCustomer open window to add a new customer.
- void [editCustomer](#) ()
MainWindow::editCustomer open window to modify a customer.
- void [removeCustomer](#) ()
MainWindow::removeCustomer open a popup to confirm the deletion of a customer, if ok remove the customer.
- void [addQuote](#) ()
MainWindow::addQuote open window to add a new quote.
- void [addBill](#) ()
MainWindow::addBill open window to add a new bill.
- void [billingsIsPaid](#) ()
MainWindow::billingsIsPaid Define the current billing as "paid".
- void [editUser](#) ()
MainWindow::editUser modify the user.
- void [search](#) (QString s)
MainWindow::search launch a new search.
- void [addProject](#) ()
MainWindow::addProject Create a new project for a customer.
- void [removeProject](#) (void)
MainWindow::removeProject Remove a project for a customer.
- void [editProject](#) (void)
MainWindow::editProject Modify the customer project.
- void [aboutQt](#) ()
MainWindow::aboutQt show Qt's details.
- void [aboutFact](#) ()
MainWindow::aboutFact show FACT's details (FACT team)
- void [aboutFactDev](#) ()
MainWindow::aboutFactDev() show FactDev's details (FactDev Software)
- void [aboutIcons](#) ()
MainWindow::aboutIcons() show icons's details.
- void [updateButtons](#) (void)
updateButton Update all button to disable or enabled its
- void [editDoc](#) ()
MainWindow::editDoc Edit the quote or bill of the project.
- void [removeDoc](#) ()
MainWindow::removeDoc Remove the quote or bill of the project.
- void [copyDoc](#) ()
MainWindow::copyDoc Copy all elements of a quote or a bill and Display these elements in a new quote or bill.
- void [generateTex](#) ()
MainWindow::editQuote Edit the qupte or.

Public Member Functions

- [MainWindow](#) (QWidget *parent=0)
MainWindow: Construct a window.
- int [getCurrentCustomerId](#) ()
MainWindow::getCurrentCustomerId get the selected customer.
- int [getCurrentProjectId](#) ()
MainWindow::getCurrentProjectId get the selected project id.
- int [getCurrentQuoteId](#) ()
MainWindow::getCurrentQuoteId get the selected quote id.
- QString [getCurrentCustomerName](#) ()
MainWindow::getCurrentCustomerName get the selected customer name in the customers' table.
- QString [getCurrentProjectName](#) ()
MainWindow::getCurrentProjectName get the selected project name in the table of projects.
- int [treeLevel](#) ()
MainWindow::treeLevel return the level of the node selected in the tree.
- QModelIndex [rootTree](#) ()
MainWindow::rootTree return the root of the tree "Tous les clients".
- void [addDoc](#) (bool isBilling)
MainWindow::addDoc open window to add a new document.

8.52.1 Detailed Description

The [MainWindow](#) class Main Window of the software.

Author

Everybody

8.52.2 Constructor & Destructor Documentation

8.52.2.1 [Gui::MainWindow::MainWindow \(QWidget * parent = 0 \)](#) [explicit]

[MainWindow](#): Construct a window.

Parameters

<i>parent</i>	
---------------	--

8.52.3 Member Function Documentation

8.52.3.1 void [Gui::MainWindow::addBill \(\)](#) [slot]

[MainWindow::addBill](#) open window to add a new bill.

See Also

AddQuoteDialog

8.52.3.2 void [Gui::MainWindow::addDoc \(bool isBilling \)](#)

[MainWindow::addDoc](#) open window to add a new document.

Parameters

<i>bool</i>	quote or bill
-------------	---------------

See Also

[addBill](#) [addQuote](#)

8.52.3.3 void Gui::MainWindow::addProject () [slot]

[MainWindow::addProject](#) Create a new project for a customer.

See Also

[AddProjectDialog](#)

8.52.3.4 void Gui::MainWindow::addQuote () [slot]

[MainWindow::addQuote](#) open window to add a new quote.

See Also

[AddQuoteDialog](#)

8.52.3.5 void Gui::MainWindow::editUser () [slot]

[MainWindow::editUser](#) modify the user.

See Also

[UserDataDialog](#)

8.52.3.6 int Gui::MainWindow::getCurrentCustomerId ()

[MainWindow::getCurrentCustomerId](#) get the selected customer.

Returns

id of the selected customer

8.52.3.7 QString Gui::MainWindow::getCurrentCustomerName ()

[MainWindow::getCurrentCustomerName](#) get the selected customer name in the customers' table.

Returns

name of the selected customer

8.52.3.8 int Gui::MainWindow::getCurrentProjectId ()

[MainWindow::getCurrentProjectId](#) get the selected project id.

Returns

id of the selected project

8.52.3.9 QString Gui::MainWindow::getCurrentProjectName ()

[MainWindow::getCurrentProjectName](#) get the selected project name in the table of projects.

Returns

name of the selected project

8.52.3.10 int Gui::MainWindow::getCurrentQuoteld ()

[MainWindow::getCurrentQuoteld](#) get the selected quote id.

Returns

id of the selected quote

8.52.3.11 QModelIndex Gui::MainWindow::rootTree ()

[MainWindow::rootTree](#) return the root of the tree "Tous les clients".

Returns

QModelIndex

8.52.3.12 void Gui::MainWindow::search (QString s) [slot]

[MainWindow::search](#) launch a new search.

Parameters

s	text in field
---	---------------

8.52.3.13 int Gui::MainWindow::treeLevel ()

[MainWindow::treeLevel](#) return the level of the node selected in the tree.

Returns

integer, depth of the item in tree

The documentation for this class was generated from the following files:

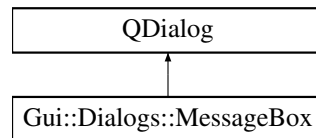
- /home/travis/build/FACT-Team/FactDev/src/gui/mainwindow/mainwindow.h
- /home/travis/build/FACT-Team/FactDev/src/gui/mainwindow/mainwindow.cpp

8.53 Gui::Dialogs::MessageBox Class Reference

The [MessageBox](#) class Information window with message.

```
#include <messagebox.h>
```

Inheritance diagram for Gui::Dialogs::MessageBox:



Public Member Functions

- [MessageBox](#) (QWidget *parent=0)
[MessageBox::MessageBox](#) Construt a **MessageBox**
- void [aboutFact](#) ()
[MessageBox::aboutFact](#) Defines FACT team information.
- void [aboutFactDev](#) ()
[MessageBox::aboutFactDev](#) Defines FactDev software information.
- void [aboutIcons](#) ()
[MessageBox::aboutIcons](#) Defines icons theme information.
- void [setImage](#) (QString img, int width=128, int height=128)
[MessageBox::setImage](#) Add the icon img to the current window.
- void [setText](#) (QString txt)
[MessageBox::setText](#) Add the text txt to the current window.

Static Public Member Functions

- static void [showAboutFact](#) ()
[MessageBox::showAboutFact](#) Shows window about FACT team.
- static void [showAboutFactDev](#) ()
[MessageBox::showAboutFactDev](#) Shows window about FactDev software.
- static void [showAboutIcons](#) ()
[MessageBox::showAboutIcons](#) Shows about icons theme of FactDev software.

8.53.1 Detailed Description

The [MessageBox](#) class Information window with message.

Author

Florent Berbie

8.53.2 Constructor & Destructor Documentation

8.53.2.1 Gui::Dialogs::MessageBox::MessageBox (QWidget * parent = 0) [explicit]

[MessageBox::MessageBox](#) Construt a **MessageBox**

Parameters

<i>parent</i>	
---------------	--

8.53.3 Member Function Documentation

8.53.3.1 void Gui::Dialogs::MessageBox::setImage (QString img, int width = 128, int height = 128)

[MessageBox::setImage](#) Add the icon *img* to the current window.

Parameters

<i>img</i>	Icon
<i>width</i>	Icon width (default: 128)
<i>height</i>	Icon height (default: 128)

8.53.3.2 void Gui::Dialogs::MessageBox::setText (QString txt)

[MessageBox::setText](#) Add the text *txt* to the current window.

Parameters

<i>txt</i>	Text inside the current window
------------	--------------------------------

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/gui/dialogs/messagebox.h
- /home/travis/build/FACT-Team/FactDev/src/gui/dialogs/messagebox.cpp

8.54 Parameters Class Reference

The [Parameters](#) class Class for simple user parameters.

```
#include <parameters.h>
```

Static Public Attributes

- static const QString [DB_FILENAME](#) = "database.db"
DB_FILENAME The database sqlite file name.
- static const double [VERSION](#) = 1.0
VERSION Version number of software.

8.54.1 Detailed Description

The [Parameters](#) class Class for simple user parameters.

Author

Antoine de Roquemaurel

8.54.2 Member Data Documentation

8.54.2.1 const QString Parameters::DB_FILENAME = "database.db" [static]

[DB_FILENAME](#) The database sqlite file name.

Database file name

8.54.2.2 const double Parameters::VERSION = 1.0 [static]

[VERSION](#) Version number of software.

Application version

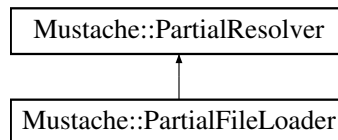
The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/parameters.h
- /home/travis/build/FACT-Team/FactDev/src/parameters.cpp

8.55 Mustache::PartialFileLoader Class Reference

```
#include <mustache.h>
```

Inheritance diagram for Mustache::PartialFileLoader:



Public Member Functions

- **PartialFileLoader** (const QString &basePath)
- virtual QString [getPartial](#) (const QString &name)

8.55.1 Detailed Description

A partial fetcher when loads templates from '`<name>.mustache`' files in a given directory.

Once a partial has been loaded, it is cached for future use.

8.55.2 Member Function Documentation

8.55.2.1 QString PartialFileLoader::getPartial (const QString & name) [virtual]

Returns the partial template with a given `name`.

Implements [Mustache::PartialResolver](#).

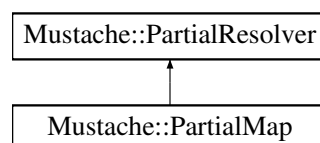
The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/libs/qt-mustache/src/mustache.h
- /home/travis/build/FACT-Team/FactDev/src/libs/qt-mustache/src/mustache.cpp

8.56 Mustache::PartialMap Class Reference

```
#include <mustache.h>
```

Inheritance diagram for Mustache::PartialMap:



Public Member Functions

- **PartialMap** (const QHash< QString, QString > &partials)
- virtual QString [getPartial](#) (const QString &name)

8.56.1 Detailed Description

A simple partial fetcher which returns templates from a map of (partial name -> template)

8.56.2 Member Function Documentation

8.56.2.1 QString PartialMap::getPartial (const QString & name) [virtual]

Returns the partial template with a given `name`.

Implements [Mustache::PartialResolver](#).

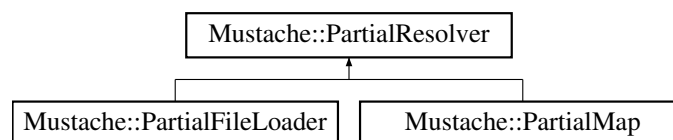
The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/libs/qt-mustache/src/mustache.h
- /home/travis/build/FACT-Team/FactDev/src/libs/qt-mustache/src/mustache.cpp

8.57 Mustache::PartialResolver Class Reference

```
#include <mustache.h>
```

Inheritance diagram for Mustache::PartialResolver:



Public Member Functions

- virtual QString [getPartial](#) (const QString &name)=0

8.57.1 Detailed Description

Interface for fetching template partials.

8.57.2 Member Function Documentation

8.57.2.1 virtual QString Mustache::PartialResolver::getPartial (const QString & name) [pure virtual]

Returns the partial template with a given `name`.

Implemented in [Mustache::PartialFileLoader](#), and [Mustache::PartialMap](#).

The documentation for this class was generated from the following file:

- /home/travis/build/FACT-Team/FactDev/src/libs/qt-mustache/src/mustache.h

8.58 Utils::pointers Class Reference

Static Public Member Functions

- static void **deleteIfNotNull** (QObject *p)

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/utils/pointers.h
- /home/travis/build/FACT-Team/FactDev/src/utils/pointers.cpp

8.59 Gui::Widgets::Popup Class Reference

Class for display popup quickly.

```
#include <popup.h>
```

Static Public Member Functions

- static void **toImplement** (QString, QWidget *)
Popup::toImplement Method to display a critical message : feature is not implemented now.

8.59.1 Detailed Description

Class for display popup quickly.

Author

Antoine de Roquemaurel

The documentation for this class was generated from the following files:

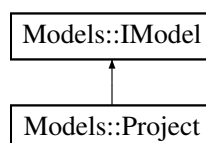
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/popup.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/popup.cpp

8.60 Models::Project Class Reference

The [Project](#) class : [Project](#) linked to a [Customer](#).

```
#include <project.h>
```

Inheritance diagram for Models::Project:



Public Member Functions

- [Project](#) ()
Project::Project Construct a [Project](#).
- [Project](#) (QString name)
Project::project Construct a project with a name.
- [Project](#) (int id)
Project::Project Construct a [Project](#) which is specified by an id
- virtual [~Project](#) ()
~Project Desctruct project object
- void [commit](#) ()
Project::commit Update project data in the database.
- void [hydrat](#) (int id)
Project::hydrat Insert project data which is specified by id in the database.
- void [remove](#) ()
Project::remove Remove the current project.
- QVariantHash [getDataMap](#) ()
getDataMap Get all data of model with a HashMap key/value
- QString [getName](#) () const
Project::getName Return the project name.
- void [setName](#) (const QString &name)
Project::setName Modify the project name
- QString [getDescription](#) () const
Project::getDescription Return a project description.
- void [setDescription](#) (const QString &description)
Project::setDescription Modify the project description
- QDate [getBeginDate](#) () const
Project::getBeginDate return the date of creation of the [Project](#)
- void [setBeginDate](#) (QDate beginDate)
Project::setBeginDate Modify beginDate of a [Project](#)
- QDate [getEndDate](#) () const
Project::getEndDate Return the endDate of the [Project](#)
- void [setEndDate](#) (QDate endDate)
Project::setEndDate Modify endDate of [Project](#)
- double [getDailyRate](#) () const
Project::getDailyRate Return the daily rate estimated for this project.
- void [setDailyRate](#) (double dailyRate)
Project::setDailyRate Modify the daily rate dailyRate of the current project.
- QSharedPointer< [Customer](#) > [getCustomer](#) () const
Project::getCustomer Return the reference to the customer linked to this project.
- void [setCustomer](#) (QSharedPointer< [Customer](#) > customer)
Project::setCustomer Modify the customer linked to this project.
- bool [operator==](#) (const [Project](#) &p)
Project::operator == Re-define the operator "==" to compare if the current project is the same to the other [Project](#) p
Return TRUE if both projects are the same, else FALSE.
- bool [operator<](#) (const [Project](#) &p) const
Project::operator < defines the operator "<" to compare two [Project](#) and to see if the first is anterior to the second.
- bool [operator!=](#) (const [Project](#) &p)
Project::operator != Re-define the operator "!=" to compare if the current project is differnt to the other [Project](#) p
Return TRUE if both projects are different, else FALSE.

Additional Inherited Members

8.60.1 Detailed Description

The [Project](#) class : [Project](#) linked to a [Customer](#).

Author

Florent Berbie

See Also

[IModel](#)

8.60.2 Constructor & Destructor Documentation

8.60.2.1 Models::Project::Project (int *id*)

[Project::Project](#) Construct a [Project](#) which is specified by an *id*

Parameters

<i>id</i>	
-----------	--

8.60.3 Member Function Documentation

8.60.3.1 QDate Models::Project::getBeginDate () const

[Project::getBeginDate](#) return the date of creation of the [Project](#)

Returns

the begin date of the [Project](#)

8.60.3.2 QSharedPointer< Customer > Models::Project::getCustomer () const

[Project::getCustomer](#) Return the reference to the customer linked to this project.

Returns

customer linked to this project

8.60.3.3 double Models::Project::getDailyRate () const

[Project::getDailyRate](#) Return the daily rate estimated for this project.

Returns

the daily rate linket to the current project

8.60.3.4 QVariantHash Models::Project::getDataMap () [virtual]

getDataMap Get all data of model with a HashMap key/value

Returns

Model's data

Implements [Models::IModel](#).

8.60.3.5 QString Models::Project::getDescription () const

[Project::getDescription](#) Return a project description.

Returns

project description

8.60.3.6 QDate Models::Project::getEndDate () const

[Project::getEndDate](#) Return the *endDate* of the [Project](#)

Returns

the end date of the project

8.60.3.7 QString Models::Project::getName () const

[Project::getName](#) Return the project name.

Returns

project name

8.60.3.8 void Models::Project::hydrat (int *id*) [virtual]

[Project::hydrat](#) Insert project data which is specified by *id* in the database.

Parameters

<i>id</i>	Project identify
-----------	----------------------------------

Implements [Models::IModel](#).

8.60.3.9 bool Models::Project::operator!= (const [Project](#) & *p*)

[Project::operator ==](#) Re-define the operator "!=" to compare if the current project is differnt to the other [Project](#) *p*
Return TRUE if both projects are different, else FALSE.

Parameters

<i>c</i>	Project to compare
----------	------------------------------------

Returns

boolean

8.60.3.10 `bool Models::Project::operator< (const Project & p) const`

`Project::operator <` defines the operator "<" to compare two `Project` and to see if the first is anterior to the second.

Parameters

<i>b</i>	the Project to compare with the current Project
----------	---

Returns

true if the [Project](#) are different else false

8.60.3.11 `bool Models::Project::operator==(const Project & p)`

[Project::operator ==](#) Re-define the operator "==" to compare if the current project is the same to the other [Project](#) *p*
Return TRUE if both projects are the same, else FALSE.

Parameters

<i>c</i>	Project to compare
----------	------------------------------------

Returns

boolean

8.60.3.12 `void Models::Project::setBeginDate (QDate beginDate)`

[Project::setBeginDate](#) Modify *beginDate* of a [Project](#)

Parameters

<i>beginDate</i>	the new date of creation of the project
------------------	---

8.60.3.13 `void Models::Project::setCustomer (QSharedPointer< Customer > customer)`

[Project::setCustomer](#) Modify the *customer* linked to this project.

Parameters

<i>customer</i>	New customer associated to this project
-----------------	---

8.60.3.14 `void Models::Project::setDailyRate (double dailyRate)`

[Project::setDailyRate](#) Modify the daily rate *dailyRate* of the current project.

Parameters

<i>dailyRate</i>	New daily rate associated to the current project
------------------	--

8.60.3.15 `void Models::Project::setDescription (const QString & description)`

[Project::setDescription](#) Modify the project *description*

Parameters

<i>description</i>	New project description
--------------------	-------------------------

8.60.3.16 `void Models::Project::setEndDate (QDate endDate)`

[Project::setEndDate](#) Modify *endDate* of [Project](#)

Parameters

<i>endDate</i>	the new end date of the project
----------------	---------------------------------

8.60.3.17 void Models::Project::setName (const QString & name)

[Project::setName](#) Modify the project *name*

Parameters

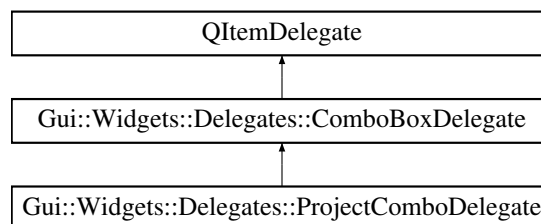
<i>name</i>	Project name
-------------	------------------------------

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/models/project.h
- /home/travis/build/FACT-Team/FactDev/src/models/project.cpp

8.61 Gui::Widgets::Delegates::ProjectComboDelegate Class Reference

Inheritance diagram for Gui::Widgets::Delegates::ProjectComboDelegate:



Public Member Functions

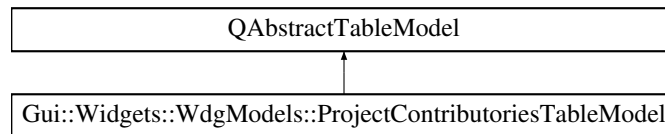
- **ProjectComboDelegate** (QSharedPointer< [Models::Customer](#) > c, QObject *parent=0)
- QWidget * **createEditor** (QWidget *parent, const QStyleOptionViewItem &option, const QModelIndex &index) const
- void **paint** (QPainter *painter, const QStyleOptionViewItem &option, const QModelIndex &index) const
- void **removeInCombo** (QList< int > &)
- QMap< int, [Models::Project](#) > **getProjects** () const
- bool **getLocked** () const
- void **setLocked** (bool getLocked)

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/delegates/projectcombodelegate.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/delegates/projectcombodelegate.cpp

8.62 Gui::Widgets::WdgModels::ProjectContributoriesTableModel Class Reference

Inheritance diagram for Gui::Widgets::WdgModels::ProjectContributoriesTableModel:



Public Member Functions

- [ProjectContributoriesTableModel](#) (QObject *parent=0)
ContributoriesTableModel Construct a *ContributoriesTableModel*.
- int [rowCount](#) (const QModelIndex &) const
rowCount Number of contributories row
- int [columnCount](#) (const QModelIndex &) const
columnCount Number of column of a contributory
- QVariant [data](#) (const QModelIndex &index, int role) const
data Obtains data of a specify cell
- QVariant [headerData](#) (int section, Qt::Orientation orientation, int role) const
headerData Obtains header title of table
- bool [setData](#) (const QModelIndex &index, const QVariant &value, int role=Qt::EditRole)
setData Change data of a cell
- Qt::ItemFlags [flags](#) (const QModelIndex &index) const
flags Differents table flags
- void **append** (QPair< [Models::Project](#) *, [Models::Rate](#) > p)
- void **append** ()
- bool **allProjectsChose** ()
- QList< int > & **getSelectedProjects** ()
- void **remove** (int index)
- QPair< [Models::Project](#) *, [Models::Rate](#) > **getProject** (const int row)
- QList< QPair< [Models::Project](#) *, [Models::Rate](#) > > **getProjects** (void)

8.62.1 Constructor & Destructor Documentation

8.62.1.1 `Gui::Widgets::WdgModels::ProjectContributoriesTableModel::ProjectContributoriesTableModel (QObject * parent = 0)`

[ContributoriesTableModel](#) Construct a [ContributoriesTableModel](#).

Parameters

<i>parent</i>	Parent widget
---------------	---------------

8.62.2 Member Function Documentation

8.62.2.1 `int Gui::Widgets::WdgModels::ProjectContributoriesTableModel::columnCount (const QModelIndex &) const`

columnCount Number of column of a contributory

Returns

The number of column

8.62.2.2 QVariant Gui::Widgets::WdgModels::ProjectContributoriesTableModel::data (const QModelIndex & *index*, int *role*)
const

data Obtains data of a specify cell

Parameters

<i>index</i>	The cell who we want data
<i>role</i>	The role of set

Returns

The data of cell

8.62.2.3 `Qt::ItemFlags Gui::Widgets::WdgModels::ProjectContributoriesTableModel::flags (const QModelIndex & index) const`

flags Differeents table flags

Parameters

<i>index</i>	The cell who we want to know flags
--------------	------------------------------------

Returns

Flags

8.62.2.4 `QVariant Gui::Widgets::WdgModels::ProjectContributoriesTableModel::headerData (int section, Qt::Orientation orientation, int role) const`

headerData Obtains header title of table

Parameters

<i>section</i>	The number of column
<i>orientation</i>	The table orientation
<i>role</i>	

Returns

The Title header of column

8.62.2.5 `int Gui::Widgets::WdgModels::ProjectContributoriesTableModel::rowCount (const QModelIndex &) const`

rowCount Number of contributories row

Returns

The number of contributories

8.62.2.6 `bool Gui::Widgets::WdgModels::ProjectContributoriesTableModel::setData (const QModelIndex & index, const QVariant & value, int role = Qt::EditRole)`

setData Change data of a cell

Parameters

<i>index</i>	The cell to change data
<i>value</i>	The new value
<i>role</i>	The role of cell

Returns

True if we could edit

The documentation for this class was generated from the following files:

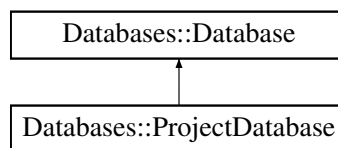
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/widgetmodels/projectcontributoriestablemodel.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/widgetmodels/projectcontributoriestablemodel.cpp

8.63 Databases::ProjectDatabase Class Reference

The [ProjectDatabase](#) class Project table database.

```
#include <projectdatabase.h>
```

Inheritance diagram for Databases::ProjectDatabase:

**Public Member Functions**

- [Models::Project](#) * [getProject](#) (const int pld)
ProjectDatabase::getProject Get informations about the project identified by 'pld'.
- [Models::Project](#) * [getProject](#) (QStringQuery &q)
ProjectDatabase::getProject.
- int [addProject](#) (const [Models::Project](#) &)
ProjectDatabase::addProject Add the project 'pProject' to the database.
- void [updateProject](#) (const [Models::Project](#) &)
ProjectDatabase::updateProject Update informations about the project.
- void [removeProject](#) (const int pld)
removeProject Remove the project with the id 'pld'
- int [getNbProjects](#) ()
ProjectDatabase::getNbProjects Return the number of projects existing.
- int [getNbProjectsForACustomer](#) (const int pld)
ProjectDatabase::getNbProjectsForACustomer Return the number of projects existing for an identify customer pld
- QMap< int, [Models::Project](#) > [getProjectsOfCustomer](#) (QSharedPointer< [Models::Customer](#) > c)
getProjectsOfCustomer Return all projects of a customer
- [WdgModels::ProjectsTableModel](#) * [getProjectsTable](#) (const int pld) throw (DbException*)
getProjectsTable Return all projects of a customer in QStandardItemModel
- QSharedPointer< [Project](#) > [updateProject](#) (QStringQuery &q)
getProject Obtain a project without new query
- QList< [Project](#) * > [getAllProjects](#) ()
Project::getAllProjects Return the list of projects.

Static Public Member Functions

- static [ProjectDatabase](#) * [instance](#) () throw (DbException*)
ProjectDatabase::getInstance Return an instance of [ProjectDatabase](#).

Additional Inherited Members

8.63.1 Detailed Description

The [ProjectDatabase](#) class Project table database.

Author

Florent Berbie

See Also

[Database](#)
[Project](#)

8.63.2 Member Function Documentation

8.63.2.1 `int Databases::ProjectDatabase::addProject (const Models::Project & pProject)`

[ProjectDatabase](#)::addProject Add the project 'pProject' to the database.

Returns

project id

8.63.2.2 `QList< Project * > Databases::ProjectDatabase::getAllProjects ()`

[Project](#)::getAllProjects Return the list of projects.

Returns

Projects list

8.63.2.3 `int Databases::ProjectDatabase::getNbProjects ()`

[ProjectDatabase](#)::getNbProjects Return the number of projects existing.

Returns

number of projects

8.63.2.4 `int Databases::ProjectDatabase::getNbProjectsForACustomer (const int pld)`

[ProjectDatabase](#)::getNbProjectsForACustomer Return the number of projects existing for an identify customer *pld*

Parameters

<i>pld</i>	Project id
------------	------------

Returns

number of projects

8.63.2.5 `Models::Project * Databases::ProjectDatabase::getProject (const int pld)`

[ProjectDatabase](#)::getProject Get informations about the project identified by 'pld'.

Parameters

<i>pld</i>	project
------------	---------

Returns

the project

8.63.2.6 Models::Project * Databases::ProjectDatabase::getProject (QSqlQuery & *q*)

[ProjectDatabase::getProject](#).

Parameters

<i>q</i>	
----------	--

Returns

8.63.2.7 QMap< int, Models::Project > Databases::ProjectDatabase::getProjectsOfCustomer (QSharedPointer< Models::Customer > *c*)

getProjectsOfCustomer Return all projects of a customer

Parameters

<i>c</i>	The customer
----------	--------------

Returns

All projects of *c* with id in key

8.63.2.8 WdgModels::ProjectsTableModel * Databases::ProjectDatabase::getProjectsTable (const int *pld*) throw DbException *)

getProjectsTable Return all projects of a customer in QStandardItemModel

Parameters

<i>filter</i>	Select only projects who are specified by <i>filter</i>
---------------	---

Returns

QStandardItemModel an item model for QTableView

8.63.2.9 ProjectDatabase * Databases::ProjectDatabase::instance () throw DbException *) [static]

ProjectDatabase::getInstance Return an instance of [ProjectDatabase](#).

Returns

Instance of [ProjectDatabase](#)

8.63.2.10 void Databases::ProjectDatabase::removeProject (const int *pld*)

removeProject Remove the project with the id '*pld*'

Parameters

<i>pId</i>	project id
------------	------------

8.63.2.11 QSharedPointer< Models::Project > Databases::ProjectDatabase::updateProject (QSqlQuery & *q*)

getProject Obtain a project without new query

Parameters

<i>q</i>	The query to use
----------	------------------

Returns

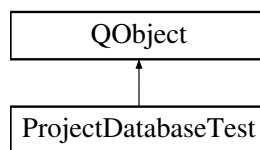
The project linked to *q*

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/database/projectdatabase.h
- /home/travis/build/FACT-Team/FactDev/src/database/projectdatabase.cpp

8.64 ProjectDatabaseTest Class Reference

Inheritance diagram for ProjectDatabaseTest:

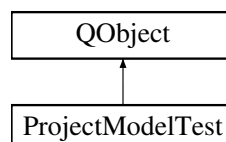


The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/tests/database/projectdatabasetest.h
- /home/travis/build/FACT-Team/FactDev/tests/database/projectdatabasetest.cpp

8.65 ProjectModelTest Class Reference

Inheritance diagram for ProjectModelTest:



The documentation for this class was generated from the following files:

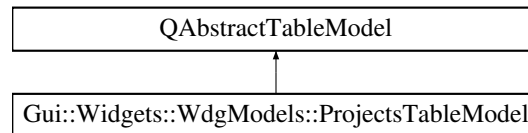
- /home/travis/build/FACT-Team/FactDev/tests/models/projectmodeltest.h
- /home/travis/build/FACT-Team/FactDev/tests/models/projectmodeltest.cpp

8.66 Gui::Widgets::WdgModels::ProjectsTableModel Class Reference

The [ProjectsTableModel](#) class for a Project table.

```
#include <projectstablemodel.h>
```

Inheritance diagram for Gui::Widgets::WdgModels::ProjectsTableModel:



Public Member Functions

- [ProjectsTableModel](#) ()
ProjectsTableModel::ProjectsTableModel Construct a [ProjectsTableModel](#).
- int [rowCount](#) (const QModelIndex &) const
ProjectsTableModel::rowCount Number of projects row.
- int [columnCount](#) (const QModelIndex &) const
ProjectsTableModel::columnCount Number of column of a Project.
- QVariant [data](#) (const QModelIndex &index, int role=Qt::DisplayRole) const
ProjectsTableModel::data Obtains data of a specify cell.
- QVariant [headerData](#) (int section, Qt::Orientation orientation, int role=Qt::DisplayRole) const
ProjectsTableModel::headerData Obtains header title of table.
- bool [setData](#) (const QModelIndex &index, const QVariant &value, int role=Qt::EditRole)
ProjectsTableModel::setData Change data of a cell.
- void [append](#) (const [Project](#) &project)
ProjectsTableModel::append Add a new line in table.
- void [remove](#) (const int i)
ProjectsTableModel::remove Remove a line.
- Qt::ItemFlags [flags](#) (const QModelIndex &index) const
ProjectsTableModel::flags Differents table flags.
- int [count](#) ()
ProjectsTableModel::count Number of projects in table.
- QList< [Project](#) > [getProjects](#) () const
ProjectsTableModel::getProjects Return the list of projects.

8.66.1 Detailed Description

The [ProjectsTableModel](#) class for a Project table.

Author

Florent Berbie

See Also

[Project](#)

8.66.2 Constructor & Destructor Documentation

8.66.2.1 Gui::Widgets::WdgModels::ProjectsTableModel::ProjectsTableModel ()

[ProjectsTableModel::ProjectsTableModel](#) Construct a [ProjectsTableModel](#).

Parameters

<i>parent</i>	Parent widget
---------------	---------------

8.66.3 Member Function Documentation

8.66.3.1 `void Gui::Widgets::WdgModels::ProjectsTableModel::append (const Project & project)`

[ProjectsTableModel::append](#) Add a new line in table.

Parameters

<i>Project</i>	The new Project
----------------	-----------------

8.66.3.2 `int Gui::Widgets::WdgModels::ProjectsTableModel::columnCount (const QModelIndex &) const`

[ProjectsTableModel::columnCount](#) Number of column of a Project.

Returns

The number of column

8.66.3.3 `int Gui::Widgets::WdgModels::ProjectsTableModel::count ()`

[ProjectsTableModel::count](#) Number of projects in table.

Returns

The number of projects

8.66.3.4 `QVariant Gui::Widgets::WdgModels::ProjectsTableModel::data (const QModelIndex & index, int role = Qt::DisplayRole) const`

[ProjectsTableModel::data](#) Obtains data of a specify cell.

Parameters

<i>index</i>	The cell who we want data
<i>role</i>	The role of set

Returns

The data of cell

8.66.3.5 `Qt::ItemFlags Gui::Widgets::WdgModels::ProjectsTableModel::flags (const QModelIndex & index) const`

[ProjectsTableModel::flags](#) Differents table flags.

Parameters

<i>index</i>	The cell who we want to know flags
--------------	------------------------------------

Returns

Flags

8.66.3.6 `QList< Project > Gui::Widgets::WdgModels::ProjectsTableModel::getProjects (void) const`

[ProjectsTableModel::getProjects](#) Return the list of projects.

Returns

list of projects

8.66.3.7 `QVariant Gui::Widgets::WdgModels::ProjectsTableModel::headerData (int section, Qt::Orientation orientation, int role = Qt::DisplayRole) const`

[ProjectsTableModel::headerData](#) Obtains header title of table.

Parameters

<i>section</i>	The number of column
<i>orientation</i>	The table orientation
<i>role</i>	

Returns

The Title header of column

8.66.3.8 `void Gui::Widgets::WdgModels::ProjectsTableModel::remove (const int i)`

[ProjectsTableModel::remove](#) Remove a line.

Parameters

<i>i</i>	The number of line to remove
----------	------------------------------

8.66.3.9 `int Gui::Widgets::WdgModels::ProjectsTableModel::rowCount (const QModelIndex &) const`

[ProjectsTableModel::rowCount](#) Number of projects row.

Returns

The number of projects

8.66.3.10 `bool Gui::Widgets::WdgModels::ProjectsTableModel::setData (const QModelIndex & index, const QVariant & value, int role = Qt::EditRole)`

[ProjectsTableModel::setData](#) Change data of a cell.

Parameters

<i>index</i>	The cell to change data
<i>value</i>	The new value
<i>role</i>	The role of cell

Returns

True if we could edit

The documentation for this class was generated from the following files:

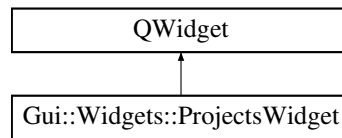
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/widgetsmodels/projectstablemodel.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/widgetsmodels/projectstablemodel.cpp

8.67 Gui::Widgets::ProjectsWidget Class Reference

The [ProjectsWidget](#) class Actions on Project.

```
#include <projectswidget.h>
```

Inheritance diagram for Gui::Widgets::ProjectsWidget:



Public Slots

- void [newProject](#) ()
ProjectsWidget::addProject Event which sends a signal to add a new project.
- void [editSelectedProject](#) ()
ProjectsWidget::editSelectedProject Event which sends a signal to edit the project selected.
- void [removeSelectedProject](#) ()
ProjectsWidget::removeSelectedProject Event which sends a signal to remove the project selected.
- void [updateBtn](#) (bool b)
ProjectsWidget::updateBtn Update the toolbar in tblProjects.

Signals

- void [addProject](#) ()
ProjectsWidget::addProject Add a new project to the current Customer.
- void [editProject](#) ()
ProjectsWidget::editProject Edit the current Customer selected.
- void [removeProject](#) ()
ProjectsWidget::removeProject Remove the current Customer selected.

Public Member Functions

- [ProjectsWidget](#) (QWidget *parent=0)
ProjectsWidget::ProjectsWidget Construct a [ProjectsWidget](#).

8.67.1 Detailed Description

The [ProjectsWidget](#) class Actions on Project.

Author

Florent Berbie

8.67.2 Constructor & Destructor Documentation

8.67.2.1 [Gui::Widgets::ProjectsWidget::ProjectsWidget \(QWidget * parent = 0 \)](#) [explicit]

[ProjectsWidget::ProjectsWidget](#) Construct a [ProjectsWidget](#).

Parameters

<i>parent</i>	
---------------	--

8.67.3 Member Function Documentation

8.67.3.1 void Gui::Widgets::ProjectsWidget::updateBtn (bool *b*) [slot]

[ProjectsWidget::updateBtn](#) Update the toolbar in tblProjects.

Parameters

<i>boolean</i>	if a row is selected
----------------	----------------------

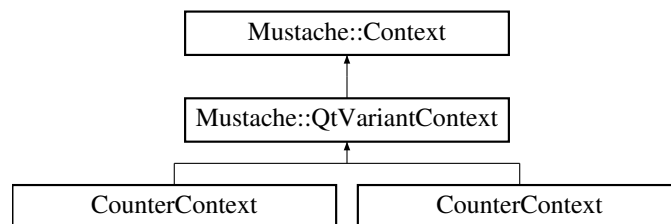
The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/projectswidget.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/projectswidget.cpp

8.68 Mustache::QtVariantContext Class Reference

```
#include <mustache.h>
```

Inheritance diagram for Mustache::QtVariantContext:



Public Types

- typedef QString(* [fn_t](#))(const QString &, [Mustache::Renderer](#) *, [Mustache::Context](#) *)

Public Member Functions

- [QtVariantContext](#) (const QVariant &root, [PartialResolver](#) *resolver=0)
- virtual QString [stringValue](#) (const QString &key) const
- virtual bool [isFalse](#) (const QString &key) const
- virtual int [listCount](#) (const QString &key) const
- virtual void [push](#) (const QString &key, int index=-1)
- virtual void [pop](#) ()
- virtual bool [canEval](#) (const QString &key) const
- virtual QString [eval](#) (const QString &key, const QString &_template, [Mustache::Renderer](#) *renderer)

8.68.1 Detailed Description

A context implementation which wraps a QVariantHash or QVariantMap.

8.68.2 Member Typedef Documentation

8.68.2.1 `typedef QString(* Mustache::QtVariantContext::fn_t)(const QString &, Mustache::Renderer *, Mustache::Context *)`

Construct a [QtVariantContext](#) which wraps a dictionary in a [QVariantHash](#) or a [QVariantMap](#).

8.68.3 Member Function Documentation

8.68.3.1 `bool QtVariantContext::canEval (const QString & key) const [virtual]`

Returns true if [eval\(\)](#) should be used to render section tags using `key`. If [canEval\(\)](#) returns true for a key, the renderer will pass the literal, unrendered block of text for the section to [eval\(\)](#) and replace the section with the result.

[canEval\(\)](#) and [eval\(\)](#) are equivalents for callable objects (eg. lambdas) in other Mustache implementations.

The default implementation always returns false.

Reimplemented from [Mustache::Context](#).

Reimplemented in [CounterContext](#), and [CounterContext](#).

8.68.3.2 `QString QtVariantContext::eval (const QString & key, const QString & _template, Mustache::Renderer * renderer) [virtual]`

Callback used to render a template section with the given `key`. `renderer` will substitute the original section tag with the result of [eval\(\)](#).

The default implementation returns an empty string.

Reimplemented from [Mustache::Context](#).

Reimplemented in [CounterContext](#), and [CounterContext](#).

8.68.3.3 `bool QtVariantContext::isFalse (const QString & key) const [virtual]`

Returns true if the value for `key` is 'false' or an empty list. 'False' values typically include empty strings, the boolean value false etc.

When processing a section Mustache tag, the section is not rendered if the key is false, or for an inverted section tag, the section is only rendered if the key is false.

Implements [Mustache::Context](#).

8.68.3.4 `int QtVariantContext::listCount (const QString & key) const [virtual]`

Returns the number of items in the list value for `key` or 0 if the value for `key` is not a list.

Implements [Mustache::Context](#).

8.68.3.5 `void QtVariantContext::pop () [virtual]`

Exit the current context.

Implements [Mustache::Context](#).

8.68.3.6 `void QtVariantContext::push (const QString & key, int index = -1) [virtual]`

Set the current context to the value for `key`. If `index` is ≥ 0 , set the current context to the `index`'th value in the list value for `key`.

Implements [Mustache::Context](#).

8.68.3.7 `QString QtVariantContext::stringValue (const QString & key) const [virtual]`

Returns a string representation of the value for `key` in the current context. This is used to replace a Mustache value tag.

Implements [Mustache::Context](#).

Reimplemented in [CounterContext](#), and [CounterContext](#).

The documentation for this class was generated from the following files:

- `/home/travis/build/FACT-Team/FactDev/src/libs/qt-mustache/src/mustache.h`
- `/home/travis/build/FACT-Team/FactDev/src/libs/qt-mustache/src/mustache.cpp`

8.69 Models::Rate Class Reference

Public Member Functions

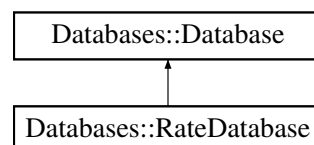
- **Rate** (double hourly)
- **Rate** (int idBilling, int idProject)
- void **setDailyRate** (const double &)
- void **setHourlyRate** (const double &)
- double **getDailyRate** () const
- double **getHourlyRate** () const
- int **getNbDailyHours** () const
- double **getLegalRate** () const

The documentation for this class was generated from the following files:

- `/home/travis/build/FACT-Team/FactDev/src/models/rate.h`
- `/home/travis/build/FACT-Team/FactDev/src/models/rate.cpp`

8.70 Databases::RateDatabase Class Reference

Inheritance diagram for Databases::RateDatabase:



Public Member Functions

- void **addRateProject** (int idProject, int idBilling, double hourlyRate)
- double **getRate** (const int idBilling, const int idProject) const
- void **updateRateProject** (int idProject, int idBilling, double hourlyRate)

Static Public Member Functions

- static [RateDatabase](#) * [instance](#) () throw (DbException*)
RateDatabase::getInstance Return an instance of [RateDatabase](#).

Additional Inherited Members

8.70.1 Member Function Documentation

8.70.1.1 [RateDatabase](#) * [Databases::RateDatabase::instance](#) () throw [DbException](#) * [static]

[RateDatabase::getInstance](#) Return an instance of [RateDatabase](#).

Returns

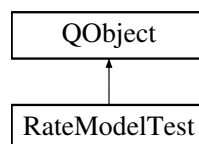
Instance of [RateDatabase](#)

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/database/ratedatabase.h
- /home/travis/build/FACT-Team/FactDev/src/database/ratedatabase.cpp

8.71 RateModelTest Class Reference

Inheritance diagram for [RateModelTest](#):



The documentation for this class was generated from the following files:

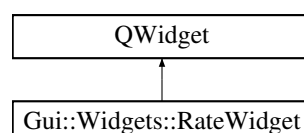
- /home/travis/build/FACT-Team/FactDev/tests/models/ratemodeltest.h
- /home/travis/build/FACT-Team/FactDev/tests/models/ratemodeltest.cpp

8.72 Gui::Widgets::RateWidget Class Reference

Class for display Rate.

```
#include <ratewidget.h>
```

Inheritance diagram for [Gui::Widgets::RateWidget](#):



Public Slots

- void [setDailyRate](#) ()
setDailyRate Set a new value for the daily rate
- void [setHourlyRate](#) ()
setHourlyRate Set a new value for the hourly rate

Public Member Functions

- [RateWidget](#) (QWidget *parent=0)
RateWidget::RateWidget Construct a rate widget.
- void [initRate](#) ()
RateWidget::initRate Initialize the rate.
- void [setWidgetDailyRateValue](#) (double value)
RateWidget::setWidgetDailyRateValue Modify the value of the daily rate spin box component.
- double [getDailyRate](#) ()
RateWidget::getDailyRate Get the daily rate.
- double [getHourlyRate](#) ()
RateWidget::getHourlyRate Get the hourly rate.
- void [setWidgetHourlyRateValue](#) (double value)
RateWidget::setWidgetHourlyRateValue Modify the value of the hourly rate spin box component.
- void [updateConversionRate](#) ()
updateConversionRate Update daily rate or hourly rate

8.72.1 Detailed Description

Class for display Rate.

Author

Florent Berbie

8.72.2 Constructor & Destructor Documentation

8.72.2.1 [Gui::Widgets::RateWidget::RateWidget \(QWidget * parent = 0 \)](#) `[explicit]`

[RateWidget::RateWidget](#) Construct a rate widget.

Parameters

<i>parent</i>	The QWidget parent
---------------	--------------------

8.72.3 Member Function Documentation

8.72.3.1 [double Gui::Widgets::RateWidget::getDailyRate \(\)](#)

[RateWidget::getDailyRate](#) Get the daily rate.

Returns

The daily rate

8.72.3.2 `double Gui::Widgets::RateWidget::getHourlyRate ()`

[RateWidget::getHourlyRate](#) Get the hourly rate.

Returns

The hourly rate

8.72.3.3 `void Gui::Widgets::RateWidget::setDailyRate () [slot]`

`setDailyRate` Set a new value for the daily rate

Parameters

<i>dailyRate</i>	The new daily rate
------------------	--------------------

8.72.3.4 `void Gui::Widgets::RateWidget::setHourlyRate () [slot]`

`setHourlyRate` Set a new value for the hourly rate

Parameters

<i>hourlyRate</i>	The new hourly rate
-------------------	---------------------

8.72.3.5 `void Gui::Widgets::RateWidget::setWidgetDailyRateValue (double value)`

[RateWidget::setWidgetDailyRateValue](#) Modify the *value* of the daily rate spin box component.

Parameters

<i>value</i>	New Value
--------------	-----------

8.72.3.6 `void Gui::Widgets::RateWidget::setWidgetHourlyRateValue (double value)`

[RateWidget::setWidgetHourlyRateValue](#) Modify the *value* of the hourly rate spin box component.

Parameters

<i>value</i>	New value
--------------	-----------

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/ratewidget.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/ratewidget.cpp

8.73 Mustache::Renderer Class Reference

```
#include <mustache.h>
```

Public Member Functions

- QString [render](#) (const QString &_template, [Context](#) *context)
- QString [error](#) () const
- int [errorPos](#) () const

- QString [errorPartial](#) () const
- void [setTagMarkers](#) (const QString &startMarker, const QString &endMarker)

8.73.1 Detailed Description

Renders Mustache templates, replacing mustache tags with values from a provided context.

8.73.2 Member Function Documentation

8.73.2.1 QString Renderer::error () const

Returns a message describing the last error encountered by the previous [render\(\)](#) call.

8.73.2.2 QString Renderer::errorPartial () const

Returns the name of the partial where the error occurred, or an empty string if the error occurred in the main template.

8.73.2.3 int Renderer::errorPos () const

Returns the position in the template where the last error occurred when rendering the template or -1 if no error occurred.

If the error occurred in a partial template, the returned position is the offset in the partial template.

8.73.2.4 QString Renderer::render (const QString &_template, Context * context)

Render a Mustache template, using `context` to fetch the values used to replace Mustache tags.

8.73.2.5 void Renderer::setTagMarkers (const QString &startMarker, const QString &endMarker)

Sets the default tag start and end markers. This can be overridden within a template.

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/libs/qt-mustache/src/mustache.h
- /home/travis/build/FACT-Team/FactDev/src/libs/qt-mustache/src/mustache.cpp

8.74 Models::Search Class Reference

The [Search](#) class.

```
#include <search.h>
```

Public Member Functions

- [Search](#) ()
[Search::Search](#) Construct a search.
- [~Search](#) ()
[Search::Search](#) Destruct a search.
- QString [getFilter](#) ()

- Search::getFilter* Return the search filter.
- void **filterOnVarcharElements** (QString &filter, const QStringList list, QString element)
 - Search::filterOnVarcharElements* Search, for each word of the list from the filter, if it corresponds to the element in the database.
 - void **filterOnNumberElements** (QString &filter, const QStringList list, QString element)
 - Search::filterOnNumberElements* Search, for each number of the list from the filter, if it corresponds to the element in the database.
 - void **filterOnCompany** (QString &filter, const QStringList list)
 - Search::filterOnCompany* Search all companies contained in the list of the filter
 - void **filterOnReferentLastname** (QString &filter, const QStringList list)
 - Search::filterOnReferentLastname* Search all referents last name contained in the list of the filter
 - void **filterOnProjects** (QString &filter, const QStringList list)
 - Search::filterOnProjects* Search all projects contained in the list of the filter
 - void **filterOnContributories** (QString &filter, const QStringList list)
 - Search::filterOnContributories* Search all contributories contained in the list of the filter
 - void **filterOnBillsOrQuotes** (QString &filter, const QStringList list)
 - Search::filterOnBillsOrQuotes* Search all bills or quotes which are contained in the list of the filter
 - void **filterOnCustomersWithoutProject** (QString &filter, const QStringList list)
 - Search::filterOnCustomersWithoutProject* Search all customers which are contained in the list of the filter
- bool **getSearchInCompanies** () const
 - Search::getSearchInCompanies* Return if we search a company.
 - void **setSearchInCompanies** (bool searchInCompanies)
 - Search::setSearchInCompanies* Modify the filter of companies search.
 - bool **getSearchInReferentLastname** () const
 - Search::getSearchInReferentLastname* Return if we search a Last name referent.
 - void **setSearchInReferentLastname** (bool searchInReferentLastname)
 - Search::setSearchInReferentLastname* Modify the filter of referents last name search.
 - bool **getSearchInProjects** () const
 - Search::getSearchInProjects* Return TRUE if it exists one or more projets in database.
 - void **setSearchInProjects** (bool searchInProjects)
 - Search::setSearchInProjects* Modify the filter of projects search.
 - bool **searchInContributories** () const
 - Search::getSearchInContributories* Return TRUE if it exists one or more projets in database.
 - void **setSearchInContributories** (bool searchInContributories)
 - Search::setSearchInContributories* Modify the filter of contributories search.
 - bool **getSearchInBillsQuotes** () const
 - Search::searchInBillsQuotes* Return TRUE if it exists one or more bills or quotes in database.
 - void **setSearchInBillsQuotes** (bool searchInBillsQuotes)
 - Search::setSearchInBillsQuotes* Modify the filter of bills and quotes search.
 - bool **getGroupFilter** () const
 - Search::getGroupFilter* Return if the filter is activated.
 - void **setGroupFilter** (bool getGroupFilter)
 - Search::setGroupFilter* Modify if we active search filter.
 - QString **getText** () const
 - Search::getText* Return sql portion of filter.
 - void **setText** (const QString &getText)
 - Search::setText* Modify sql portion.

8.74.1 Detailed Description

The [Search](#) class.

Author

Antoine de Roquemaurel
Florent Berbie

8.74.2 Member Function Documentation

8.74.2.1 void Models::Search::filterOnBillsOrQuotes (QString & *filter*, const QStringList *list*)

[Search::filterOnBillsOrQuotes](#) [Search](#) all bills or quotes which are contained in the *list* of the *filter*

Parameters

<i>filter</i>	Text inputed in searchbar
<i>list</i>	List of bills or quotes

8.74.2.2 void Models::Search::filterOnCompany (QString & *filter*, const QStringList *list*)

[Search::filterOnCompany](#) [Search](#) all companies contained in the *list* of the *filter*

Parameters

<i>filter</i>	Text inputed in searchbar
<i>list</i>	List of companies

8.74.2.3 void Models::Search::filterOnContributories (QString & *filter*, const QStringList *list*)

[Search::filterOnContributories](#) [Search](#) all contributories contained in the *list* of the *filter*

Parameters

<i>filter</i>	Text inputed in searchbar
<i>list</i>	List of contributories

8.74.2.4 void Models::Search::filterOnCustomersWithoutProject (QString & *filter*, const QStringList *list*)

[Search::filterOnCustomersWithoutProject](#) [Search](#) all customers which are contained in the *list* of the *filter*

Parameters

<i>filter</i>	Text inputed in searchbar
<i>list</i>	List of bills or quotes

8.74.2.5 void Models::Search::filterOnNumberElements (QString & *filter*, const QStringList *list*, QString *element*)

[Search::filterOnNumberElements](#) [Search](#), for each number of the *list* from the *filter*, if it corresponds to the *element* in the database.

Parameters

<i>filter</i>	Text inputted in the searchbar
<i>list</i>	List of numbers from the <i>filter</i>
<i>element</i>	Attribute name into the database

8.74.2.6 void Models::Search::filterOnProjects (QString & *filter*, const QStringList *list*)

[Search::filterOnProjects](#) Search all projects contained in the *list* of the *filter*

Parameters

<i>filter</i>	Text inputted in searchbar
<i>list</i>	List of projects

8.74.2.7 void Models::Search::filterOnReferentLastname (QString & *filter*, const QStringList *list*)

[Search::filterOnReferentLastname](#) Search all referents last name contained in the *list* of the *filter*

Parameters

<i>filter</i>	Text inputted in searchbar
<i>list</i>	List of referent last name

8.74.2.8 void Models::Search::filterOnVarcharElements (QString & *filter*, const QStringList *list*, QString *element*)

[Search::filterOnVarcharElements](#) Search, for each word of the *list* from the *filter*, if it corresponds to the *element* in the database.

Parameters

<i>filter</i>	Text inputted in the searchbar
<i>list</i>	List of words from the <i>filter</i>
<i>element</i>	Attribute name into the database

8.74.2.9 QString Models::Search::getFilter ()

[Search::getFilter](#) Return the search filter.

Returns

filter selected (sql portion)

8.74.2.10 bool Models::Search::getGroupFilter () const

[Search::getGroupFilter](#) Return if the filter is activated.

Returns

boolean if search filter is activated

8.74.2.11 bool Models::Search::getSearchInBillsQuotes () const

[Search::searchInBillsQuotes](#) Return TRUE if it exists one or more bills or quotes in database.

Returns

boolean if bills or quotes are existing

8.74.2.12 `bool Models::Search::getSearchInCompanies () const`

[Search::getSearchInCompanies](#) Return if we search a company.

Returns

boolean if we search a company

8.74.2.13 `bool Models::Search::getSearchInProjects () const`

[Search::getSearchInProjects](#) Return TRUE if it exists one or more projets in database.

Returns

boolean if project are existing

8.74.2.14 `bool Models::Search::getSearchInReferentLastname () const`

[Search::getSearchInReferentLastname](#) Return if we search a Last name referent.

Returns

boolean if search concerns the last name of referent

8.74.2.15 `QString Models::Search::getText () const`

[Search::getText](#) Return sql portion of filter.

Returns

QString the sql portion

8.74.2.16 `bool Models::Search::searchInContributories () const`

[Search::getSearchInContributories](#) Return TRUE if it exists one or more projets in database.

Returns

boolean if contributories are existing

8.74.2.17 `void Models::Search::setGroupFilter (bool getGroupFilter)`

[Search::setGroupFilter](#) Modify if we active search filter.

Parameters

<i>getGroupFilter</i>	Get if filter is actived
-----------------------	--------------------------

8.74.2.18 void Models::Search::setSearchInBillsQuotes (bool *searchInBillsQuotes*)

[Search::setSearchInBillsQuotes](#) Modify the filter of bills and quotes search.

Parameters

<i>searchInBills-Quotes</i>	Search in bills or quotes which are concerned
-----------------------------	---

8.74.2.19 void Models::Search::setSearchInCompanies (bool *searchInCompanies*)

[Search::setSearchInCompanies](#) Modify the filter of companies search.

Parameters

<i>getSearchIn-Companies</i>	Search in companies is concerned
------------------------------	--

8.74.2.20 void Models::Search::setSearchInContributories (bool *searchInContributories*)

[Search::setSearchInContributories](#) Modify the filter of contributories search.

Parameters

<i>searchIn-Contributories</i>	Search in contributories which are concerned
--------------------------------	--

8.74.2.21 void Models::Search::setSearchInProjects (bool *searchInProjects*)

[Search::setSearchInProjects](#) Modify the filter of projects search.

Parameters

<i>searchInProjects</i>	Search in projects which are concerned
-------------------------	--

8.74.2.22 void Models::Search::setSearchInReferentLastname (bool *searchInReferentLastname*)

[Search::setSearchInReferentLastname](#) Modify the filter of referents last name search.

Parameters

<i>searchIn-Referent-Lastname</i>	Search in referents last name which are concerned
-----------------------------------	---

8.74.2.23 void Models::Search::setText (const QString & *getText*)

[Search::setText](#) Modify sql portion.

Parameters

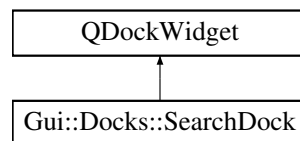
<i>getText</i>	Get sql portion
----------------	-----------------

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/models/search.h
- /home/travis/build/FACT-Team/FactDev/src/models/search.cpp

8.75 Gui::Docks::SearchDock Class Reference

Inheritance diagram for Gui::Docks::SearchDock:



Public Slots

- void **search** (QString text)

Signals

- void **textChanged** (QString text)

Public Member Functions

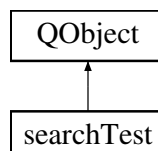
- **SearchDock** (QWidget *parent=0, Qt::WindowFlags flags=0)

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/gui/docks/searchdock.h
- /home/travis/build/FACT-Team/FactDev/src/gui/docks/searchdock.cpp

8.76 searchTest Class Reference

Inheritance diagram for searchTest:



The documentation for this class was generated from the following files:

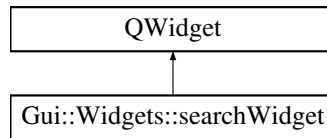
- /home/travis/build/FACT-Team/FactDev/tests/models/searchtest.h
- /home/travis/build/FACT-Team/FactDev/tests/models/searchtest.cpp

8.77 Gui::Widgets::searchWidget Class Reference

Class for search in database.

```
#include <searchwidget.h>
```

Inheritance diagram for Gui::Widgets::searchWidget:



Public Slots

- void [search](#) (QString toSearch)
searchWidget::launch a search
- void [getCustomerData](#) ()
searchWidget::getCustomerData Return data on the customer selected in the QTableView and display this data (First-name, Lastname, Company)

Signals

- void **selectCustomer** ()

Public Member Functions

- [searchWidget](#) (QWidget *parent=0)
searchWidget::searchWidget Construct a search widget
- int [getCurrentCustomerId](#) ()
searchWidget::getCurrentCustomerId Return the id of the customer selected in the table
- bool [isCustomerSelected](#) () const
isCustomerSelected Return TRUE if a customer is selected, else FALSE
- void **selectCustomer** (int id)
- int [getIdCustomer](#) () const
- void **setIdCustomer** (int getIdCustomer)

8.77.1 Detailed Description

Class for search in database.

Author

Antoine de Roquemaurel

8.77.2 Constructor & Destructor Documentation

8.77.2.1 [Gui::Widgets::searchWidget::searchWidget](#) (QWidget * *parent* = 0) [explicit]

[searchWidget::searchWidget](#) Construct a search widget

Parameters

<i>parent</i>	The QWidget parent
---------------	--------------------

8.77.3 Member Function Documentation

8.77.3.1 `int Gui::Widgets::searchWidget::getCurrentCustomerId ()`

[searchWidget::getCurrentCustomerId](#) Return the id of the customer selected in the table

Returns

id of the current customer

8.77.3.2 `bool Gui::Widgets::searchWidget::isCustomerSelected () const`

`isCustomerSelected` Return TRUE if a customer is selected, else FALSE

Returns

boolean

8.77.3.3 `void Gui::Widgets::searchWidget::search (QString toSearch) [slot]`

`searchWidget::launch` a search

Parameters

<i>toSearch</i>	The value to search
-----------------	---------------------

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/searchwidget.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/searchwidget.cpp

8.78 Utils::String Class Reference

The Utils class.

```
#include <string.h>
```

Static Public Member Functions

- static QString [firstLetterToUpper](#) (QString s)
firstLetterToUpper Put the first letter of a string in capslock

8.78.1 Detailed Description

The Utils class.

Author

Antoine de Roquemaurel

8.78.2 Member Function Documentation

8.78.2.1 QString Utils::String::firstLetterToUpper (QString s) [static]

firstLetterToUpper Put the first letter of a string in capslock

Parameters

<i>s</i>	The string to display
----------	-----------------------

Returns

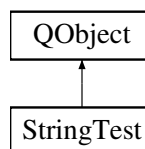
The new string with caps

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/utls/string.h
- /home/travis/build/FACT-Team/FactDev/src/utls/string.cpp

8.79 StringTest Class Reference

Inheritance diagram for StringTest:



The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/tests/utls/stringtest.h
- /home/travis/build/FACT-Team/FactDev/tests/utls/stringtest.cpp

8.80 Mustache::Tag Struct Reference

```
#include <mustache.h>
```

Public Types

- enum `Type` { `Null`, `Value`, `SectionStart`, `InvertedSectionStart`, `SectionEnd`, `Partial`, `Comment`, `SetDelimiter` }
- enum `EscapeMode` { `Escape`, `Unescape`, `Raw` }

Public Attributes

- `Type` `type`
- `QString` `key`
- `int` `start`
- `int` `end`
- `EscapeMode` `escapeMode`

8.80.1 Detailed Description

Holds properties of a tag in a mustache template.

8.80.2 Member Enumeration Documentation

8.80.2.1 enum `Mustache::Tag::Type`

Enumerator

SectionStart A `{{key}}` or `{{{key}}}` tag.

InvertedSectionStart A `{{#section}}` tag.

SectionEnd An `{{^inverted-section}}` tag.

Partial A `{{/section}}` tag.

Comment A `{{^partial}}` tag.

SetDelimiter A `{{! comment }}` tag. A `{{=<% %>=}}` tag

The documentation for this struct was generated from the following file:

- `/home/travis/build/FACT-Team/FactDev/src/libs/qt-mustache/src/mustache.h`

8.81 `TestAdder< T >` Class Template Reference

Public Member Functions

- **TestAdder** (const `QString` &name)

The documentation for this class was generated from the following file:

- `/home/travis/build/FACT-Team/FactDev/tests/QStringRunner/testadder.cpp`

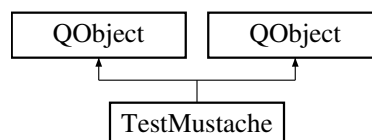
8.82 `testadder` Class Reference

The documentation for this class was generated from the following file:

- `/home/travis/build/FACT-Team/FactDev/tests/QStringRunner/testadder.h`

8.83 `TestMustache` Class Reference

Inheritance diagram for `TestMustache`:



The documentation for this class was generated from the following files:

- `/home/travis/build/FACT-Team/FactDev/src/libs/qt-mustache/tests/test_mustache.h`
- `/home/travis/build/FACT-Team/FactDev/src/libs/qt-mustache/tests/test_mustache.cpp`

8.84 TestRunner Class Reference

Public Member Functions

- `template<typename T >`
char **RegisterTest** (QString name)
- `int` **RunAll** (int argc, char *argv[])

Static Public Member Functions

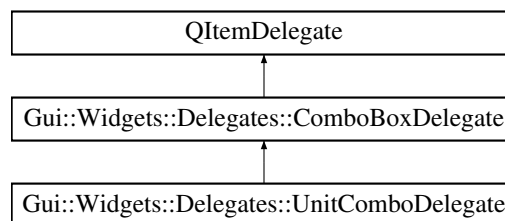
- static `TestRunner` & **Instance** ()

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/tests/QTestRunner/testrunner.h
- /home/travis/build/FACT-Team/FactDev/tests/QTestRunner/testrunner.cpp

8.85 Gui::Widgets::Delegates::UnitComboDelegate Class Reference

Inheritance diagram for Gui::Widgets::Delegates::UnitComboDelegate:



Public Member Functions

- **UnitComboDelegate** (QObject *parent=0)
- QWidget * **createEditor** (QWidget *parent, const QStyleOptionViewItem &option, const QModelIndex &index) const
- void **paint** (QPainter *painter, const QStyleOptionViewItem &option, const QModelIndex &index) const

The documentation for this class was generated from the following files:

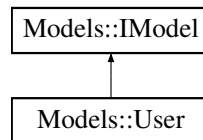
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/delegates/unitcombodelegate.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/delegates/unitcombodelegate.cpp

8.86 Models::User Class Reference

The `User` class `User` of it application.

```
#include <user.h>
```

Inheritance diagram for Models::User:



Public Member Functions

- [User](#) ()
User::User. Construct an *User*.
- [User](#) (int id)
User::User. Construct a *User* with the identify id
- void [commit](#) ()
User::commit Update user data in *User* table on the database.
- void [hydrat](#) (int id=1)
User::hydrat Get data of the user who is specified by id from the database.
- void [remove](#) ()
remove Remove the current *User*
- QVariantHash [getDataMap](#) ()
getDataMap Get all data of model with a HashMap key/value
- void [updateFolders](#) (void)
MainWindow::updateFolders Make directories which contain quotes and billings. Directories are the same than theirs of the Tree organisation (without Projects).
- QString [getFirstname](#) () const
User::getFirstname Return the user firstname.
- void [setFirstname](#) (const QString &firstname)
User::setFirstnament Modify the user firstname
- QString [getLastname](#) () const
User::getLastname Return the user lastname.
- void [setLastname](#) (const QString &lastname)
User::setLastname Modify the user lastname
- QString [getCompany](#) () const
User::getCompany Return the user company.
- void [setCompany](#) (const QString &company)
User::setCompany Modify the user company name.
- QString [getTitle](#) () const
User::getTitle Return a short description of *User* (company) activity.
- void [setTitle](#) (const QString &title)
User::setTitle Modify the user/company activities description
- QString [getAddress](#) () const
User::getAddress Return the company address (Number and name of street)
- void [setAddress](#) (const QString &address)
User::setAddress Modify the user company address
- QString [getPostalCode](#) () const
User::getPostalCode Return the postal code.
- void [setPostalCode](#) (const QString &postalCode)
User::setPostalCode Modify the postal code postalCode
- QString [getCity](#) () const
User::getCity Return the city.
- void [setCity](#) (const QString &city)

- *User::setCity* Modify the city
- QString *getEmail* () const
- *User::getEmail* Return the user professional email
- void *setEmail* (const QString &email)
- *User::setEmail* Modify the user professional email
- QString *getMobilePhone* () const
- *User::getMobilePhone* Return the number of the professional mobile phone.
- void *setMobilePhone* (const QString &mobilePhone)
- *User::setMobilePhone* Modify the number of the professional user mobile phone mobilePhone
- QString *getPhone* () const
- *User::getPhone* Return the number of the desktop phone.
- void *setPhone* (const QString &phone)
- *User::setPhone* Modify the number of the desktop phone
- QString *getNoSiret* () const
- *User::getNoSiret* Return the SIRET number (company registration number)
- void *setNoSiret* (const QString &noSiret)
- *User::setNoSiret* Modify the SIRET number (company registration number) noSiret
- QString *getWorkspaceName* () const
- *User::getWorkspaceName* Return the name of the workspace user.
- void *setWorkspaceName* (const QString &workspaceName)
- *User::setWorkspaceName* Change the current workspace name by the new workspaceName
- QString *getWorkspacePath* () const
- *User::getWorkspacePath* Return the path of the workspace user.
- void *setWorkspacePath* (const QString &workspacePath)
- *User::setWorkspacePath* Change the current workspace path by the new workspacePath
- bool *operator==* (const User &u)
- *User::operator ==* Re-define the operator "==" to compare if the current User is the same to the other User c Return TRUE if both Users are the same, else FALSE.
- bool *operator!=* (const User &u)
- *User::operator !=* Re-define the operator "!=" to compare if the current User is different to the other User c Return TRUE if both Users are different, else FALSE.

Additional Inherited Members

8.86.1 Detailed Description

The User class User of it application.

Author

Florent Berbie

8.86.2 Constructor & Destructor Documentation

8.86.2.1 Models::User::User (int id)

User::User. Construct a User with the identify id

Parameters

<i>id</i>	User id
-----------	-------------------------

8.86.3 Member Function Documentation

8.86.3.1 QString Models::User::getAddress () const

[User::getAddress](#) Return the company address (Number and name of street)

Returns

Address company

8.86.3.2 QString Models::User::getCity () const

[User::getCity](#) Return the city.

Returns

city

8.86.3.3 QString Models::User::getCompany () const

[User::getCompany](#) Return the user company.

Returns

New company name

8.86.3.4 QVariantHash Models::User::getDataMap () [virtual]

getDataMap Get all data of model with a HashMap key/value

Returns

Model's data

Implements [Models::IModel](#).

8.86.3.5 QString Models::User::getEmail () const

[User::getEmail](#) Return the user professional *email*

Returns

professional email

8.86.3.6 QString Models::User::getFirstname () const

[User::getFirstname](#) Return the user firstname.

Returns

[User](#) firstname

8.86.3.7 QString Models::User::getLastname () const

[User::getLastname](#) Return the user lastname.

Returns

[User](#) lastname

8.86.3.8 QString Models::User::getMobilePhone () const

[User::getMobilePhone](#) Return the number of the professional mobile phone.

Returns

number of mobile phone

8.86.3.9 QString Models::User::getNoSiret () const

[User::getNoSiret](#) Return the SIRET number (company registration number)

Returns

SIRET number

8.86.3.10 QString Models::User::getPhone () const

[User::getPhone](#) Return the number of the desktop phone.

Returns

number of the desktop phone

8.86.3.11 QString Models::User::getPostalCode () const

[User::getPostalCode](#) Return the postal code.

Returns

postal code

8.86.3.12 QString Models::User::getTitle () const

[User::getTitle](#) Return a short description of [User](#) (company) activity.

Returns

a short description of user (company) activity

8.86.3.13 QString Models::User::getWorkspaceName () const

[User::getWorkspaceName](#) Return the name of the workspace user.

Returns

workspace name

8.86.3.14 QString Models::User::getWorkspacePath () const

[User::getWorkspacePath](#) Return the path of the workspace user.

Returns

workspace path

8.86.3.15 void Models::User::hydrat (int *id* = 1) [virtual]

[User::hydrat](#) Get data of the user who is specified by *id* from the database.

Parameters

<i>id</i>	User identify
-----------	-------------------------------

Implements [Models::IModel](#).

8.86.3.16 bool Models::User::operator!= (const User & *u*)

[User::operator !=](#) Re-define the operator "!=" to compare if the current [User](#) is differnt to the other [User](#) c Return TRUE if both Users are different, else FALSE.

Parameters

<i>u</i>	User to compare
----------	---------------------------------

Returns

boolean

8.86.3.17 bool Models::User::operator== (const User & *u*)

[User::operator ==](#) Re-define the operator "==" to compare if the current [User](#) is the same to the other [User](#) c Return TRUE if both Users are the same, else FALSE.

Parameters

<i>u</i>	User to compare
----------	---------------------------------

Returns

boolean

8.86.3.18 void Models::User::setAddress (const QString & *address*)

[User::setAddress](#) Modify the user company *address*

Parameters

<i>address</i>	Company address (name and number of street)
----------------	---

8.86.3.19 void Models::User::setCity (const QString & *city*)

[User::setCity](#) Modify the *city*

Parameters

<i>city</i>	Company city address
-------------	----------------------

8.86.3.20 void Models::User::setCompany (const QString & *company*)

[User::setCompany](#) Modify the user *company* name.

Parameters

<i>company</i>	New user company name
----------------	-----------------------

8.86.3.21 void Models::User::setEmail (const QString & *email*)

[User::setEmail](#) Modify the user professional *email*

Parameters

<i>email</i>	The user professional email
--------------	-----------------------------

8.86.3.22 void Models::User::setFirstname (const QString & *firstname*)

[User::setFirstname](#) Modify the user *firstname*

Parameters

<i>firstname</i>	New user firstname
------------------	--------------------

8.86.3.23 void Models::User::setLastname (const QString & *lastname*)

[User::setLastname](#) Modify the user *lastname*

Parameters

<i>lastname</i>	New user lastname
-----------------	-------------------

8.86.3.24 void Models::User::setMobilePhone (const QString & *mobilePhone*)

[User::setMobilePhone](#) Modify the number of the professional user mobile phone *mobilePhone*

Parameters

<i>mobilePhone</i>	Number of the professional mobile phone
--------------------	---

8.86.3.25 void Models::User::setNoSiret (const QString & *noSiret*)

[User::setNoSiret](#) Modify the SIRET number (company registration number) *noSiret*

Parameters

<i>noSiret</i>	SIRET number
----------------	--------------

8.86.3.26 void Models::User::setPhone (const QString & *phone*)

[User::setPhone](#) Modify the number of the desktop *phone*

Parameters

<i>phone</i>	Number of the desktop phone
--------------	-----------------------------

8.86.3.27 void Models::User::setPostalCode (const QString & *postalCode*)

[User::setPostalCode](#) Modify the postal code *postalCode*

Parameters

<i>postalCode</i>	New postal code
-------------------	-----------------

8.86.3.28 void Models::User::setTitle (const QString & *title*)

[User::setTitle](#) Modify the user/company activities *description*

Parameters

<i>title</i>	Short description on activity(ies) of User company
--------------	--

8.86.3.29 void Models::User::setWorkspaceName (const QString & *workspaceName*)

[User::setWorkspaceName](#) Change the current workspace name by the new *workspaceName*

Parameters

<i>workspaceName</i>	
----------------------	--

8.86.3.30 void Models::User::setWorkspacePath (const QString & *workspacePath*)

[User::setWorkspacePath](#) Change the current workspace path by the new *workspacePath*

Parameters

<i>workspacePath</i>	
----------------------	--

8.86.3.31 void Models::User::updateFolders (void)

MainWindow::updateFolders Make directories which contain quotes and billings. Directories are the same than theirs of the Tree organisation (without Projects).

Organisation of folders are formed like this:

- COMPANY CustomerLastname CustomerFirstname/
 - Quotes/
 - * quote1 ...
 - Billings/
 - * billing1 ...

The documentation for this class was generated from the following files:

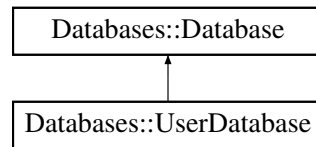
- /home/travis/build/FACT-Team/FactDev/src/models/user.h
- /home/travis/build/FACT-Team/FactDev/src/models/user.cpp

8.87 Databases::UserDatabase Class Reference

The [UserDatabase](#) class Access to User data in the the table User of the [Database](#)

```
#include <userdatabase.h>
```

Inheritance diagram for Databases::UserDatabase:



Public Member Functions

- [Models::User](#) * [getUser](#) (const int *pId*=1)
getUser Get informations about the user (identified by 'pId')
- void [updateUser](#) (const [Models::User](#) &)
updateUser Update informations about the user

Static Public Member Functions

- static [UserDatabase](#) * [instance](#) () throw (DbException*)
UserDatabase::getInstance Return an instance of [UserDatabase](#).

Additional Inherited Members

8.87.1 Detailed Description

The [UserDatabase](#) class Access to User data in the the table User of the [Database](#)

Author

Florent Berbie

See Also

[Database](#)
[User](#)

8.87.2 Member Function Documentation

8.87.2.1 [Models::User](#) * [Databases::UserDatabase::getUser](#) (const int *pId* = 1)

[getUser](#) Get informations about the user (identified by 'pId')

Parameters

<i>pId</i>	user id (1 default) *
------------	-----------------------

Returns

the user

8.87.2.2 **UserDatabase * Databases::UserDatabase::instance () throw DbException *** [static]

UserDatabase::getInstance Return an instance of [UserDatabase](#).

Returns

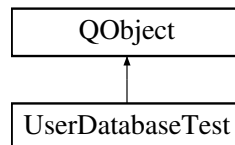
Instance of [UserDatabase](#)

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/database/userdatabase.h
- /home/travis/build/FACT-Team/FactDev/src/database/userdatabase.cpp

8.88 UserDatabaseTest Class Reference

Inheritance diagram for UserDatabaseTest:



The documentation for this class was generated from the following files:

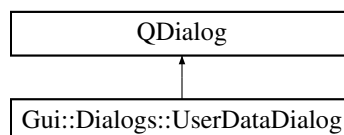
- /home/travis/build/FACT-Team/FactDev/tests/database/userdatabasetest.h
- /home/travis/build/FACT-Team/FactDev/tests/database/userdatabasetest.cpp

8.89 Gui::Dialogs::UserDataDialog Class Reference

The [UserDataDialog](#) class Window to fill user data.

```
#include <userdatadialog.h>
```

Inheritance diagram for Gui::Dialogs::UserDataDialog:



Public Slots

- void [checkFields](#) ()
[UserDataDialog::checkFields](#) Check all fields of dialog components.
- void [browseWorkspacePath](#) ()
[UserDataDialog::browseWorkspacePath](#) Open a new window to define the workspace path of the user.

Public Member Functions

- [UserDataDialog](#) (QWidget *parent=0)
[UserDataDialog](#): Construct a window with user data.
- void [fillFields](#) ()
[UserDataDialog::fillFields](#) Fill line edits with the data of the user.
- void [accept](#) ()
accept Valid data inputed by user and add these data in Database
- void [reject](#) ()
reject Cancel the operation and close the windows

8.89.1 Detailed Description

The [UserDataDialog](#) class Window to fill user data.

Author

Florent Berbie

See Also

Project

8.89.2 Constructor & Destructor Documentation

8.89.2.1 Gui::Dialogs::UserDataDialog::UserDataDialog (QWidget * *parent* = 0) [explicit]

[UserDataDialog](#): Construct a window with user data.

Parameters

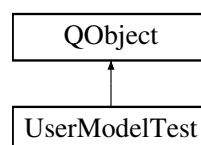
<i>parent</i>	
---------------	--

The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/src/gui/dialogs/userdatadialog.h
- /home/travis/build/FACT-Team/FactDev/src/gui/dialogs/userdatadialog.cpp

8.90 UserModelTest Class Reference

Inheritance diagram for UserModelTest:



The documentation for this class was generated from the following files:

- /home/travis/build/FACT-Team/FactDev/tests/models/usermodeltest.h
- /home/travis/build/FACT-Team/FactDev/tests/models/usermodeltest.cpp

Index

add
 Gui::Widgets::ContributoriesWidget, 61
addBill
 Gui::MainWindow, 104
addBilling
 Databases::BillingDatabase, 29
addBillingProject
 Databases::BillingDatabase, 29
addBillingToProject
 Utils::HierarchicalSystem, 95
addContributory
 Databases::ContributoryDatabase, 67
 Models::Billing, 25
addCustomer
 Databases::CustomerDatabase, 79
addDoc
 Gui::MainWindow, 104
addProject
 Databases::ProjectDatabase, 120
 Gui::MainWindow, 104
AddProjectDialog
 Gui::Dialogs::AddProjectDialog, 22
addProjectToCustomer
 Utils::HierarchicalSystem, 95
addQuote
 Gui::MainWindow, 104
AddQuoteDialog
 Gui::Dialogs::AddQuoteDialog, 23
append
 Gui::Widgets::WdgModels::BillingsTableModel, 34
 Gui::Widgets::WdgModels::ContributoriesTable-
 Model, 58
 Gui::Widgets::WdgModels::CustomersTableModel,
 86
 Gui::Widgets::WdgModels::ProjectsTableModel,
 124

Billing
 Models::Billing, 25
BillingDatabaseTest, 32
BillingModelTest, 33
BillingsTableModel
 Gui::Widgets::WdgModels::BillingsTableModel, 34

canEval
 CounterContext, 69
 Mustache::Context, 55
 Mustache::QtVariantContext, 130
check
 Gui::Widgets::CheckFields::CheckEmail, 40
 Gui::Widgets::CheckFields::CheckFieldsLetters, 42
 Gui::Widgets::CheckFields::CheckPhone, 44
 Gui::Widgets::CheckFields::CheckPostalCode, 45
 Gui::Widgets::CheckFields::CheckSiretNumber, 48
 Gui::Widgets::CheckFields::CheckUntilField, 51
 Gui::Widgets::CheckFields::CheckValidField, 53
 Gui::Widgets::CheckFields::ICheckField, 96
CheckCity
 Gui::Widgets::CheckFields::CheckCity, 38
CheckCountry
 Gui::Widgets::CheckFields::CheckCountry, 39
CheckEmail
 Gui::Widgets::CheckFields::CheckEmail, 40
CheckFieldsLetters
 Gui::Widgets::CheckFields::CheckFieldsLetters, 42
CheckName
 Gui::Widgets::CheckFields::CheckName, 43
CheckPhone
 Gui::Widgets::CheckFields::CheckPhone, 44
CheckPostalCode
 Gui::Widgets::CheckFields::CheckPostalCode, 45
CheckQLineEdit
 Gui::Widgets::CheckFields::CheckQLineEdit, 47
CheckSiretNumber
 Gui::Widgets::CheckFields::CheckSiretNumber, 48
CheckUntilField
 Gui::Widgets::CheckFields::CheckUntilField, 50
CheckValidField
 Gui::Widgets::CheckFields::CheckValidField, 52
columnCount
 Gui::Widgets::WdgModels::BillingsTableModel, 34
 Gui::Widgets::WdgModels::ContributoriesTable-
 Model, 59
 Gui::Widgets::WdgModels::CustomersTableModel,
 86
 Gui::Widgets::WdgModels::ProjectContributories-
 TableModel, 117
 Gui::Widgets::WdgModels::ProjectsTableModel,
 124
Comment
 Mustache::Tag, 145
Context
 Mustache::Context, 55
ContributoriesDatabaseTest, 56
ContributoriesTableModel
 Gui::Widgets::WdgModels::ContributoriesTable-
 Model, 58
Contributory
 Models::Contributory, 63

- ContributoryListTest, 68
- ContributoryModelTest, 68
- count
 - Gui::Widgets::WdgModels::BillingsTableModel, 34
 - Gui::Widgets::WdgModels::ContributoriesTable-Model, 59
 - Gui::Widgets::WdgModels::CustomersTableModel, 86
 - Gui::Widgets::WdgModels::ProjectsTableModel, 125
- CounterContext, 68
 - canEval, 69
 - eval, 69
 - stringValue, 69, 70
- Customer
 - Models::Customer, 72
- CustomerContextualMenu
 - Gui::Widgets::CustomerContextualMenu, 78
- CustomerDatabaseTest, 82
- CustomerModelTest, 83
- CustomersTableModel
 - Gui::Widgets::WdgModels::CustomersTableModel, 85
- DB_FILENAME
 - Parameters, 108
- data
 - Gui::Widgets::WdgModels::BillingsTableModel, 34
 - Gui::Widgets::WdgModels::ContributoriesTable-Model, 59
 - Gui::Widgets::WdgModels::CustomersTableModel, 86
 - Gui::Widgets::WdgModels::ProjectContributories-TableModel, 117
 - Gui::Widgets::WdgModels::ProjectsTableModel, 125
- Databases, 17
- Databases::BillingDatabase, 28
 - addBilling, 29
 - addBillingProject, 29
 - getAllBillingsOfProject, 30
 - getBilling, 30
 - getBillingsTable, 30
 - getMaxBillingNumber, 31
 - getMaxBillingNumberOfCustomer, 31
 - getMaxQuoteNumber, 31
 - getMaxQuoteNumberOfCustomer, 31
 - instance, 31
 - isBillingPaid, 32
 - removeBilling, 32
 - removeBillingProject, 32
- Databases::ContributoryDatabase, 66
 - addContributory, 67
 - getContributory, 67
 - instance, 67
 - removeContributory, 67
- Databases::CustomerDatabase, 78
 - addCustomer, 79
 - getCustomer, 79, 80
 - getCustomersTable, 80
 - getItemBillQuote, 80
 - getItemCustomer, 80
 - getItemProject, 81
 - getItemRoot, 81
 - getNbCustomers, 81
 - getTree, 81
 - instance, 81
 - removeCustomer, 82
 - updateCustomer, 82
- Databases::Database, 88
 - executeFile, 89
 - instance, 89
 - lastError, 89
 - setDatabase, 89
 - value, 90
- Databases::ProjectDatabase, 119
 - addProject, 120
 - getAllProjects, 120
 - getNbProjects, 121
 - getNbProjectsForACustomer, 121
 - getProject, 121
 - getProjectsOfCustomer, 121
 - getProjectsTable, 122
 - instance, 122
 - removeProject, 122
 - updateProject, 122
- Databases::RateDatabase, 131
 - instance, 132
- Databases::UserDatabase, 155
 - getUser, 156
 - instance, 156
- DbException
 - Exceptions::DbException, 91
- DialogAddCustomer
 - Gui::Dialogs::DialogAddCustomer, 92
- editUser
 - Gui::MainWindow, 105
- error
 - Mustache::Renderer, 136
- errorPartial
 - Mustache::Renderer, 136
- errorPos
 - Mustache::Renderer, 136
- eval
 - CounterContext, 69
 - Mustache::Context, 55
 - Mustache::QtVariantContext, 130
- Exceptions::DbException, 90
 - DbException, 91
 - popupMessage, 91
- Exceptions::FileException, 93
 - FileException, 93
 - popupMessage, 94
- executeFile
 - Databases::Database, 89
- FileException

- Exceptions::FileException, 93
- filterOnBillsOrQuotes
 - Models::Search, 137
- filterOnCompany
 - Models::Search, 138
- filterOnContributories
 - Models::Search, 138
- filterOnCustomersWithoutProject
 - Models::Search, 138
- filterOnNumberElements
 - Models::Search, 138
- filterOnProjects
 - Models::Search, 138
- filterOnReferentLastname
 - Models::Search, 138
- filterOnVarcharElements
 - Models::Search, 139
- firstLetterToUpper
 - Utils::String, 144
- flags
 - Gui::Widgets::WdgModels::BillingsTableModel, 36
 - Gui::Widgets::WdgModels::ContributoriesTable-Model, 59
 - Gui::Widgets::WdgModels::CustomersTableModel, 86
 - Gui::Widgets::WdgModels::ProjectContributories-TableModel, 117
 - Gui::Widgets::WdgModels::ProjectsTableModel, 125
- fn_t
 - Mustache::QtVariantContext, 129
- Generation, 94
- Generator, 94
- getAddress
 - Models::Customer, 72
 - Models::User, 149
- getAllBillingsOfProject
 - Databases::BillingDatabase, 30
- getAllProjects
 - Databases::ProjectDatabase, 120
- getBeginDate
 - Models::Project, 113
- getBilling
 - Databases::BillingDatabase, 30
- getBillings
 - Gui::Widgets::WdgModels::BillingsTableModel, 36
- getBillingsTable
 - Databases::BillingDatabase, 30
- getBtnValid
 - Gui::Widgets::CheckFields::CheckQLineEdit, 47
- getCity
 - Models::Customer, 72
 - Models::User, 149
- getCompany
 - Models::Customer, 72
 - Models::User, 149
- getContributories
 - Gui::Widgets::ContributoriesWidget, 61
- Gui::Widgets::WdgModels::ContributoriesTable-Model, 59
- Models::Billing, 25
- getContributory
 - Databases::ContributoryDatabase, 67
- getCountry
 - Gui::Widgets::CheckFields::CheckPhone, 44
 - Gui::Widgets::CheckFields::CheckPostalCode, 46
 - Models::Customer, 72
- getCurrentCustomerId
 - Gui::MainWindow, 105
 - Gui::Widgets::searchWidget, 143
- getCurrentCustomerName
 - Gui::MainWindow, 105
- getCurrentProjectId
 - Gui::MainWindow, 105
- getCurrentProjectName
 - Gui::MainWindow, 105
- getCurrentQuoteId
 - Gui::MainWindow, 105
- getCustomer
 - Databases::CustomerDatabase, 79, 80
 - Models::Project, 113
- getCustomers
 - Gui::Widgets::WdgModels::CustomersTableModel, 86
 - Utils::HierarchicalSystem, 95
- getCustomersTable
 - Databases::CustomerDatabase, 80
- getDailyRate
 - Gui::Widgets::RateWidget, 133
 - Models::Project, 113
- getDataMap
 - Models::Billing, 25
 - Models::Contributory, 63
 - Models::Customer, 72
 - Models::IModel, 98
 - Models::Project, 113
 - Models::User, 149
- getDate
 - Models::Billing, 25
- getDescription
 - Models::Billing, 25
 - Models::Contributory, 63
 - Models::Project, 113
- getEmail
 - Models::Customer, 72
 - Models::User, 150
- getEndDate
 - Models::Project, 113
- getFax
 - Models::Customer, 73
- getFilter
 - Models::Search, 139
- getFirstname
 - Models::User, 150
- getFirstnameReferent
 - Models::Customer, 73

- getGroupFilter
 - Models::Search, 139
- getHourlyRate
 - Gui::Widgets::RateWidget, 133
- getId
 - Models::IModel, 98
- getItemBillQuote
 - Databases::CustomerDatabase, 80
- getItemCustomer
 - Databases::CustomerDatabase, 80
- getItemProject
 - Databases::CustomerDatabase, 81
- getItemRoot
 - Databases::CustomerDatabase, 81
- getLastName
 - Models::User, 150
- getLastNameReferent
 - Models::Customer, 73
- getMaxBillingNumber
 - Databases::BillingDatabase, 31
- getMaxBillingNumberOfCustomer
 - Databases::BillingDatabase, 31
- getMaxQuoteNumber
 - Databases::BillingDatabase, 31
- getMaxQuoteNumberOfCustomer
 - Databases::BillingDatabase, 31
- getMobilePhone
 - Models::Customer, 73
 - Models::User, 150
- getModel
 - Utils::ItemType, 100
- getName
 - Models::Project, 113
 - Utils::ItemType, 100
- getNameFolder
 - Models::Customer, 73
- getNbCustomers
 - Databases::CustomerDatabase, 81
- getNbHours
 - Models::Contributory, 63
- getNbProjects
 - Databases::ProjectDatabase, 121
- getNbProjectsForACustomer
 - Databases::ProjectDatabase, 121
- getNoSiret
 - Models::User, 150
- getNumber
 - Gui::Dialogs::AddQuoteDialog, 23
 - Models::Billing, 26
- getPartial
 - Mustache::PartialFileLoader, 109
 - Mustache::PartialMap, 109
 - Mustache::PartialResolver, 110
- getPath
 - Models::Customer, 73
- getPhone
 - Models::Customer, 73
 - Models::User, 150
- getPostalCode
 - Models::Customer, 74
 - Models::User, 151
- getProject
 - Databases::ProjectDatabase, 121
 - Models::Contributory, 63
- getProjects
 - Gui::Widgets::WdgModels::ProjectsTableModel, 125
 - Utils::HierarchicalSystem, 96
- getProjectsOfCustomer
 - Databases::ProjectDatabase, 121
- getProjectsTable
 - Databases::ProjectDatabase, 122
- getSearchInBillsQuotes
 - Models::Search, 139
- getSearchInCompanies
 - Models::Search, 139
- getSearchInProjects
 - Models::Search, 139
- getSearchInReferentLastname
 - Models::Search, 139
- getText
 - Models::Search, 140
- getTitle
 - Models::Billing, 26
 - Models::User, 151
- getTree
 - Databases::CustomerDatabase, 81
- getType
 - Utils::ItemType, 100
- getUser
 - Databases::UserDatabase, 156
- getWorkspaceName
 - Models::User, 151
- getWorkspacePath
 - Models::User, 151
- Gui, 17
- Gui::Dialogs::AddProjectDialog, 21
 - AddProjectDialog, 22
- Gui::Dialogs::AddQuoteDialog, 22
 - AddQuoteDialog, 23
 - getNumber, 23
- Gui::Dialogs::DialogAddCustomer, 91
 - DialogAddCustomer, 92
- Gui::Dialogs::MessageBox, 106
 - MessageBox, 107
 - setImage, 107
 - setText, 107
- Gui::Dialogs::UserDataDialog, 157
 - UserDataDialog, 157
- Gui::Docks::SearchDock, 141
- Gui::MainWindow, 102
 - addBill, 104
 - addDoc, 104
 - addProject, 104
 - addQuote, 104
 - editUser, 105

- getCurrentCustomerId, 105
 - getCurrentCustomerName, 105
 - getCurrentProjectId, 105
 - getCurrentProjectName, 105
 - getCurrentQuoted, 105
 - MainWindow, 104
 - rootTree, 105
 - search, 106
 - treeLevel, 106
- Gui::Widgets, 18
- Gui::Widgets::CheckFields::CheckCity, 37
 - CheckCity, 38
- Gui::Widgets::CheckFields::CheckCountry, 38
 - CheckCountry, 39
- Gui::Widgets::CheckFields::CheckEmail, 40
 - check, 40
 - CheckEmail, 40
- Gui::Widgets::CheckFields::CheckFieldsLetters, 41
 - check, 42
 - CheckFieldsLetters, 42
- Gui::Widgets::CheckFields::CheckName, 42
 - CheckName, 43
- Gui::Widgets::CheckFields::CheckPhone, 43
 - check, 44
 - CheckPhone, 44
 - getCountry, 44
 - setCountry, 44
- Gui::Widgets::CheckFields::CheckPostalCode, 45
 - check, 45
 - CheckPostalCode, 45
 - getCountry, 46
 - setCountry, 46
- Gui::Widgets::CheckFields::CheckQLineEdit, 46
 - CheckQLineEdit, 47
 - getBtnValid, 47
 - isValid, 47
 - setBtnValid, 47
- Gui::Widgets::CheckFields::CheckSiretNumber, 48
 - check, 48
 - CheckSiretNumber, 48
- Gui::Widgets::CheckFields::CheckUntilField, 50
 - check, 51
 - CheckUntilField, 50
- Gui::Widgets::CheckFields::CheckValidField, 51
 - check, 53
 - CheckValidField, 52
- Gui::Widgets::CheckFields::ICheckField, 96
 - check, 96
- Gui::Widgets::ComboBoxModelWidget, 54
- Gui::Widgets::ContributoriesWidget, 60
 - add, 61
 - getContributories, 61
- Gui::Widgets::CustomerContextualMenu, 77
 - CustomerContextualMenu, 78
- Gui::Widgets::CustomerDataWidget, 82
 - printInformations, 83
- Gui::Widgets::Delegates::ComboBoxDelegate, 53
- Gui::Widgets::Delegates::DoubleSpinBoxDelegate, 93
- Gui::Widgets::Delegates::ProjectComboDelegate, 115
- Gui::Widgets::Delegates::UnitComboDelegate, 146
- Gui::Widgets::Popup, 110
- Gui::Widgets::ProjectsWidget, 126
 - ProjectsWidget, 127
 - updateBtn, 128
- Gui::Widgets::RateWidget, 132
 - getDailyRate, 133
 - getHourlyRate, 133
 - RateWidget, 133
 - setDailyRate, 133
 - setHourlyRate, 135
 - setWidgetDailyRateValue, 135
 - setWidgetHourlyRateValue, 135
- Gui::Widgets::WdgModels::BillingsTableModel, 33
 - append, 34
 - BillingsTableModel, 34
 - columnCount, 34
 - count, 34
 - data, 34
 - flags, 36
 - getBillings, 36
 - headerData, 36
 - remove, 36
 - rowCount, 36
 - setData, 37
- Gui::Widgets::WdgModels::ContributoriesTableModel, 57
 - append, 58
 - columnCount, 59
 - ContributoriesTableModel, 58
 - count, 59
 - data, 59
 - flags, 59
 - getContributories, 59
 - headerData, 59
 - remove, 60
 - rowCount, 60
 - setData, 60
- Gui::Widgets::WdgModels::CustomersTableModel, 84
 - append, 86
 - columnCount, 86
 - count, 86
 - CustomersTableModel, 85
 - data, 86
 - flags, 86
 - getCustomers, 86
 - headerData, 87
 - remove, 87
 - rowCount, 87
 - setData, 87
- Gui::Widgets::WdgModels::ProjectContributoriesTable-Model, 116
 - columnCount, 117
 - data, 117
 - flags, 117
 - headerData, 117
 - ProjectContributoriesTableModel, 117

- rowCount, 119
- setData, 119
- Gui::Widgets::WdgModels::ProjectsTableModel, 123
 - append, 124
 - columnCount, 124
 - count, 125
 - data, 125
 - flags, 125
 - getProjects, 125
 - headerData, 125
 - ProjectsTableModel, 124
 - remove, 126
 - rowCount, 126
 - setData, 126
- Gui::Widgets::searchWidget, 142
 - getCurrentCustomerId, 143
 - isCustomerSelected, 143
 - search, 143
 - searchWidget, 143
- headerData
 - Gui::Widgets::WdgModels::BillingsTableModel, 36
 - Gui::Widgets::WdgModels::ContributoriesTable-Model, 59
 - Gui::Widgets::WdgModels::CustomersTableModel, 87
 - Gui::Widgets::WdgModels::ProjectContributories-TableModel, 117
 - Gui::Widgets::WdgModels::ProjectsTableModel, 125
- hydrat
 - Models::Billing, 26
 - Models::Contributory, 63
 - Models::Customer, 74
 - Models::IModel, 98
 - Models::Project, 114
 - Models::User, 151
- instance
 - Databases::BillingDatabase, 31
 - Databases::ContributoryDatabase, 67
 - Databases::CustomerDatabase, 81
 - Databases::Database, 89
 - Databases::ProjectDatabase, 122
 - Databases::RateDatabase, 132
 - Databases::UserDatabase, 156
 - Utils::Log, 101
- InvertedSectionStart
 - Mustache::Tag, 145
- isBilling
 - Models::Billing, 26
- isBillingPaid
 - Databases::BillingDatabase, 32
- isCustomerSelected
 - Gui::Widgets::searchWidget, 143
- isFalse
 - Mustache::Context, 55
 - Mustache::QtVariantContext, 130
- isPaid
 - Models::Billing, 26
- isToRemoved
 - Models::IModel, 98
- isValid
 - Gui::Widgets::CheckFields::CheckQLineEdit, 47
- ItemType
 - Utils::ItemType, 99
- ItemTypeTest, 101
- lastError
 - Databases::Database, 89
- listCount
 - Mustache::Context, 55
 - Mustache::QtVariantContext, 130
- MainWindow
 - Gui::MainWindow, 104
- makeDirectory
 - Utils::Directories, 92
- MessageBox
 - Gui::Dialogs::MessageBox, 107
- Models, 18
- Models::Billing, 23
 - addContributory, 25
 - Billing, 25
 - getContributories, 25
 - getDataMap, 25
 - getDate, 25
 - getDescription, 25
 - getNumber, 26
 - getTitle, 26
 - hydrat, 26
 - isBilling, 26
 - isPaid, 26
 - operator<, 27
 - operator==, 27
 - setDate, 27
 - setDescription, 27
 - setIsBilling, 27
 - setIsPaid, 28
 - setNumber, 28
 - setTitle, 28
- Models::ContributoriesList, 56
 - setAllIdContributories, 57
- Models::Contributory, 62
 - Contributory, 63
 - getDataMap, 63
 - getDescription, 63
 - getNbHours, 63
 - getProject, 63
 - hydrat, 63
 - operator==, 65
 - setDescription, 65
 - setNbHours, 65
 - setProject, 65
- Models::Customer, 70
 - Customer, 72
 - getAddress, 72
 - getCity, 72

- getCompany, 72
- getCountry, 72
- getDataMap, 72
- getEmail, 72
- getFax, 73
- getFirstnameReferent, 73
- getLastnameReferent, 73
- getMobilePhone, 73
- getNameFolder, 73
- getPath, 73
- getPhone, 73
- getPostalCode, 74
- hydrat, 74
- operator==, 74
- setAddress, 74
- setCity, 75
- setCompany, 75
- setCountry, 75
- setEmail, 75
- setFax, 75
- setFirstnameReferent, 75
- setLastnameReferent, 75
- setMobilePhone, 77
- setPhone, 77
- setPostalCode, 77
- Models::IModel, 97
 - getDataMap, 98
 - getId, 98
 - hydrat, 98
 - isToRemoved, 98
 - setId, 98
 - setToRemoved, 98
- Models::Project, 111
 - getBeginDate, 113
 - getCustomer, 113
 - getDailyRate, 113
 - getDataMap, 113
 - getDescription, 113
 - getEndDate, 113
 - getName, 113
 - hydrat, 114
 - operator<, 114
 - operator==, 114
 - Project, 112
 - setBeginDate, 114
 - setCustomer, 115
 - setDailyRate, 115
 - setDescription, 115
 - setEndDate, 115
 - setName, 115
- Models::Rate, 131
- Models::Search, 136
 - filterOnBillsOrQuotes, 137
 - filterOnCompany, 138
 - filterOnContributories, 138
 - filterOnCustomersWithoutProject, 138
 - filterOnNumberElements, 138
 - filterOnProjects, 138
 - filterOnReferentLastname, 138
 - filterOnVarcharElements, 139
 - getFilter, 139
 - getGroupFilter, 139
 - getSearchInBillsQuotes, 139
 - getSearchInCompanies, 139
 - getSearchInProjects, 139
 - getSearchInReferentLastname, 139
 - getText, 140
 - searchInContributories, 140
 - setGroupFilter, 140
 - setSearchInBillsQuotes, 140
 - setSearchInCompanies, 140
 - setSearchInContributories, 140
 - setSearchInProjects, 141
 - setSearchInReferentLastname, 141
 - setText, 141
- Models::User, 147
 - getAddress, 149
 - getCity, 149
 - getCompany, 149
 - getDataMap, 149
 - getEmail, 150
 - getFirstname, 150
 - getLastname, 150
 - getMobilePhone, 150
 - getNoSiret, 150
 - getPhone, 150
 - getPostalCode, 151
 - getTitle, 151
 - getWorkspaceName, 151
 - getWorkspacePath, 151
 - hydrat, 151
 - operator==, 152
 - setAddress, 152
 - setCity, 152
 - setCompany, 152
 - setEmail, 152
 - setFirstname, 152
 - setLastname, 153
 - setMobilePhone, 153
 - setNoSiret, 153
 - setPhone, 153
 - setPostalCode, 153
 - setTitle, 153
 - setWorkspaceName, 153
 - setWorkspacePath, 155
 - updateFolders, 155
- User, 149
- Mustache::Tag
 - Comment, 145
 - InvertedSectionStart, 145
 - Partial, 145
 - SectionEnd, 145
 - SectionStart, 145
 - SetDelimiter, 145
- Mustache::Context, 54
 - canEval, 55

- Context, 55
- eval, 55
- isFalse, 55
- listCount, 55
- partialResolver, 55
- partialValue, 55
- pop, 55
- push, 56
- stringValue, 56
- Mustache::PartialFileLoader, 108
 - getPartial, 109
- Mustache::PartialMap, 109
 - getPartial, 109
- Mustache::PartialResolver, 110
 - getPartial, 110
- Mustache::QtVariantContext, 129
 - canEval, 130
 - eval, 130
 - fn_t, 129
 - isFalse, 130
 - listCount, 130
 - pop, 130
 - push, 130
 - stringValue, 130
- Mustache::Renderer, 135
 - error, 136
 - errorPartial, 136
 - errorPos, 136
 - render, 136
 - setTagMarkers, 136
- Mustache::Tag, 145
 - Type, 145
- operator<
 - Models::Billing, 27
 - Models::Project, 114
- operator<<
 - Utils::Log, 102
- operator==
 - Models::Billing, 27
 - Models::Contributory, 65
 - Models::Customer, 74
 - Models::Project, 114
 - Models::User, 152
- Parameters, 108
 - DB_FILENAME, 108
 - VERSION, 108
- Partial
 - Mustache::Tag, 145
- partialResolver
 - Mustache::Context, 55
- partialValue
 - Mustache::Context, 55
- pop
 - Mustache::Context, 55
 - Mustache::QtVariantContext, 130
- popupMessage
 - Exceptions::DbException, 91
- Exceptions::FileException, 94
- printInformations
 - Gui::Widgets::CustomerDataWidget, 83
- Project
 - Models::Project, 112
- ProjectContributoriesTableModel
 - Gui::Widgets::WdgModels::ProjectContributoriesTableModel, 117
- ProjectDatabaseTest, 123
- ProjectModelTest, 123
- ProjectsTableModel
 - Gui::Widgets::WdgModels::ProjectsTableModel, 124
- ProjectsWidget
 - Gui::Widgets::ProjectsWidget, 127
- push
 - Mustache::Context, 56
 - Mustache::QtVariantContext, 130
- RateModelTest, 132
- RateWidget
 - Gui::Widgets::RateWidget, 133
- remove
 - Gui::Widgets::WdgModels::BillingsTableModel, 36
 - Gui::Widgets::WdgModels::ContributoriesTableModel, 60
 - Gui::Widgets::WdgModels::CustomersTableModel, 87
 - Gui::Widgets::WdgModels::ProjectsTableModel, 126
- removeBilling
 - Databases::BillingDatabase, 32
- removeBillingProject
 - Databases::BillingDatabase, 32
- removeContributory
 - Databases::ContributoryDatabase, 67
- removeCustomer
 - Databases::CustomerDatabase, 82
- removeProject
 - Databases::ProjectDatabase, 122
- render
 - Mustache::Renderer, 136
- rootTree
 - Gui::MainWindow, 105
- rowCount
 - Gui::Widgets::WdgModels::BillingsTableModel, 36
 - Gui::Widgets::WdgModels::ContributoriesTableModel, 60
 - Gui::Widgets::WdgModels::CustomersTableModel, 87
 - Gui::Widgets::WdgModels::ProjectContributoriesTableModel, 119
 - Gui::Widgets::WdgModels::ProjectsTableModel, 126
- search
 - Gui::MainWindow, 106
 - Gui::Widgets::searchWidget, 143
- searchInContributories

- Models::Search, 140
- searchTest, 142
- searchWidget
 - Gui::Widgets::searchWidget, 143
- SectionEnd
 - Mustache::Tag, 145
- SectionStart
 - Mustache::Tag, 145
- SetDelimiter
 - Mustache::Tag, 145
- setAddress
 - Models::Customer, 74
 - Models::User, 152
- setAllIdContributories
 - Models::ContributoriesList, 57
- setBeginDate
 - Models::Project, 114
- setBtnValid
 - Gui::Widgets::CheckFields::CheckQLineEdit, 47
- setCity
 - Models::Customer, 75
 - Models::User, 152
- setCompany
 - Models::Customer, 75
 - Models::User, 152
- setCountry
 - Gui::Widgets::CheckFields::CheckPhone, 44
 - Gui::Widgets::CheckFields::CheckPostalCode, 46
 - Models::Customer, 75
- setCustomer
 - Models::Project, 115
- setDailyRate
 - Gui::Widgets::RateWidget, 133
 - Models::Project, 115
- setData
 - Gui::Widgets::WdgModels::BillingsTableModel, 37
 - Gui::Widgets::WdgModels::ContributoriesTable-Model, 60
 - Gui::Widgets::WdgModels::CustomersTableModel, 87
 - Gui::Widgets::WdgModels::ProjectContributories-TableModel, 119
 - Gui::Widgets::WdgModels::ProjectsTableModel, 126
- setDatabase
 - Databases::Database, 89
- setDate
 - Models::Billing, 27
- setDescription
 - Models::Billing, 27
 - Models::Contributory, 65
 - Models::Project, 115
- setEmail
 - Models::Customer, 75
 - Models::User, 152
- setEndDate
 - Models::Project, 115
- setFax
 - Models::Customer, 75
- setFirstname
 - Models::User, 152
- setFirstnameReferent
 - Models::Customer, 75
- setGroupFilter
 - Models::Search, 140
- setHourlyRate
 - Gui::Widgets::RateWidget, 135
- setId
 - Models::IModel, 98
- setImage
 - Gui::Dialogs::MessageBox, 107
- setIsBilling
 - Models::Billing, 27
- setIsPaid
 - Models::Billing, 28
- setLastname
 - Models::User, 153
- setLastnameReferent
 - Models::Customer, 75
- setMobilePhone
 - Models::Customer, 77
 - Models::User, 153
- setName
 - Models::Project, 115
 - Utils::ItemType, 100
- setNbHours
 - Models::Contributory, 65
- setNoSiret
 - Models::User, 153
- setNumber
 - Models::Billing, 28
- setPhone
 - Models::Customer, 77
 - Models::User, 153
- setPostalCode
 - Models::Customer, 77
 - Models::User, 153
- setProject
 - Models::Contributory, 65
- setSearchInBillsQuotes
 - Models::Search, 140
- setSearchInCompanies
 - Models::Search, 140
- setSearchInContributories
 - Models::Search, 140
- setSearchInProjects
 - Models::Search, 141
- setSearchInReferentLastname
 - Models::Search, 141
- setTagMarkers
 - Mustache::Renderer, 136
- setText
 - Gui::Dialogs::MessageBox, 107
 - Models::Search, 141
- setTitle
 - Models::Billing, 28

- Models::User, 153
- setToRemoved
 - Models::IModel, 98
- setType
 - Utils::ItemType, 100
- setWidgetDailyRateValue
 - Gui::Widgets::RateWidget, 135
- setWidgetHourlyRateValue
 - Gui::Widgets::RateWidget, 135
- setWorkspaceName
 - Models::User, 153
- setWorkspacePath
 - Models::User, 155
- StringTest, 144
- stringValue
 - CounterContext, 69, 70
 - Mustache::Context, 56
 - Mustache::QtVariantContext, 130
- TestAdder< T >, 145
- TestMustache, 146
- TestRunner, 146
- testadder, 146
- treeLevel
 - Gui::MainWindow, 106
- Type
 - Mustache::Tag, 145
- updateBtn
 - Gui::Widgets::ProjectsWidget, 128
- updateCustomer
 - Databases::CustomerDatabase, 82
- updateFolders
 - Models::User, 155
- updateProject
 - Databases::ProjectDatabase, 122
- User
 - Models::User, 149
- UserDataDialog
 - Gui::Dialogs::UserDataDialog, 157
- UserDatabaseTest, 156
- UserModelTest, 158
- Utils::Directories, 92
 - makeDirectory, 92
- Utils::HierarchicalSystem, 94
 - addBillingToProject, 95
 - addProjectToCustomer, 95
 - getCustomers, 95
 - getProjects, 96
- Utils::ItemType, 99
 - getModel, 100
 - getName, 100
 - getType, 100
 - ItemType, 99
 - setName, 100
 - setType, 100
- Utils::Log, 101
 - instance, 101
 - operator<<, 102
 - write, 102
- Utils::String, 144
 - firstLetterToUpper, 144
- Utils::pointers, 110
- VERSION
 - Parameters, 108
- value
 - Databases::Database, 90
- write
 - Utils::Log, 102