

FactDev

0.1

Generated by Doxygen 1.8.6

Thu Mar 12 2015 14:13:48

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	fillQuoteBilling	23
8.2.3.2	getCopy	23
8.2.3.3	getIdCustomer	24
8.2.3.4	getNumber	24
8.2.3.5	setCopy	24
8.2.3.6	setQuoteIdNumber	24
8.3	Models::Billing Class Reference	24
8.3.1	Detailed Description	26
8.3.2	Constructor & Destructor Documentation	26
8.3.2.1	Billing	26
8.3.3	Member Function Documentation	26
8.3.3.1	addContributory	26
8.3.3.2	getContributories	26
8.3.3.3	getDataMap	27
8.3.3.4	getDate	27
8.3.3.5	getDescription	27
8.3.3.6	getFilename	27
8.3.3.7	getFolder	27
8.3.3.8	getNumber	27
8.3.3.9	getPath	28
8.3.3.10	getSumQuantity	28
8.3.3.11	getSumRate	28
8.3.3.12	getTitle	28
8.3.3.13	hydrat	28
8.3.3.14	isBilling	28
8.3.3.15	isPaid	28
8.3.3.16	operator!=	29
8.3.3.17	operator<	29
8.3.3.18	operator==	29
8.3.3.19	setDate	29
8.3.3.20	setDescription	29
8.3.3.21	setIsBilling	29
8.3.3.22	setIsPaid	30
8.3.3.23	setNumber	30
8.3.3.24	setTitle	30
8.4	Databases::BillingDatabase Class Reference	30
8.4.1	Detailed Description	31
8.4.2	Member Function Documentation	32
8.4.2.1	addBilling	32

8.4.2.2	addBillingProject	32
8.4.2.3	getAllBillingsOfProject	32
8.4.2.4	getBilling	32
8.4.2.5	getBilling	32
8.4.2.6	getBillings	32
8.4.2.7	getBillingsTable	33
8.4.2.8	getMaxBillingNumber	33
8.4.2.9	getMaxBillingNumberOfCustomer	33
8.4.2.10	getMaxQuoteNumber	33
8.4.2.11	getMaxQuoteNumberOfCustomer	33
8.4.2.12	instance	34
8.4.2.13	isBillingPaid	34
8.4.2.14	removeBilling	34
8.4.2.15	removeBillingProject	34
8.5	BillingDatabaseTest Class Reference	35
8.6	BillingModelTest Class Reference	35
8.7	Gui::Widgets::WdgModels::BillingsTableModel Class Reference	35
8.7.1	Detailed Description	36
8.7.2	Constructor & Destructor Documentation	36
8.7.2.1	BillingsTableModel	36
8.7.3	Member Function Documentation	36
8.7.3.1	append	36
8.7.3.2	columnCount	37
8.7.3.3	count	37
8.7.3.4	data	37
8.7.3.5	flags	37
8.7.3.6	getBillings	37
8.7.3.7	headerData	38
8.7.3.8	remove	39
8.7.3.9	rowCount	39
8.7.3.10	setData	39
8.8	Gui::Widgets::CheckFields::CheckCity Class Reference	39
8.8.1	Detailed Description	40
8.8.2	Constructor & Destructor Documentation	40
8.8.2.1	CheckCity	40
8.9	Gui::Widgets::CheckFields::CheckCountry Class Reference	40
8.9.1	Detailed Description	41
8.9.2	Constructor & Destructor Documentation	41
8.9.2.1	CheckCountry	41
8.10	Gui::Widgets::CheckFields::CheckEmail Class Reference	41

8.10.1 Detailed Description	42
8.10.2 Constructor & Destructor Documentation	42
8.10.2.1 CheckEmail	42
8.10.3 Member Function Documentation	42
8.10.3.1 check	42
8.11 Gui::Widgets::CheckFields::CheckFieldsLetters Class Reference	43
8.11.1 Detailed Description	43
8.11.2 Constructor & Destructor Documentation	43
8.11.2.1 CheckFieldsLetters	43
8.11.3 Member Function Documentation	43
8.11.3.1 check	43
8.12 Gui::Widgets::CheckFields::CheckFieldsNumbers Class Reference	44
8.12.1 Detailed Description	44
8.12.2 Constructor & Destructor Documentation	44
8.12.2.1 CheckFieldsNumbers	44
8.12.3 Member Function Documentation	45
8.12.3.1 check	45
8.13 Gui::Widgets::CheckFields::CheckIpAddress Class Reference	45
8.13.1 Detailed Description	45
8.13.2 Constructor & Destructor Documentation	46
8.13.2.1 CheckIpAddress	46
8.13.3 Member Function Documentation	46
8.13.3.1 check	46
8.14 Gui::Widgets::CheckFields::CheckLogin Class Reference	46
8.14.1 Detailed Description	47
8.14.2 Constructor & Destructor Documentation	47
8.14.2.1 CheckLogin	47
8.14.3 Member Function Documentation	47
8.14.3.1 check	47
8.15 Gui::Widgets::CheckFields::CheckName Class Reference	48
8.15.1 Detailed Description	48
8.15.2 Constructor & Destructor Documentation	48
8.15.2.1 CheckName	48
8.16 Gui::Widgets::CheckFields::CheckPhone Class Reference	48
8.16.1 Detailed Description	49
8.16.2 Constructor & Destructor Documentation	49
8.16.2.1 CheckPhone	49
8.16.3 Member Function Documentation	49
8.16.3.1 check	49
8.16.3.2 getCountry	50

8.16.3.3	setCountry	50
8.17	Gui::Widgets::CheckFields::CheckPortNumber Class Reference	50
8.17.1	Detailed Description	50
8.17.2	Constructor & Destructor Documentation	51
8.17.2.1	CheckPortNumber	51
8.17.3	Member Function Documentation	51
8.17.3.1	check	51
8.18	Gui::Widgets::CheckFields::CheckPostalCode Class Reference	51
8.18.1	Detailed Description	52
8.18.2	Constructor & Destructor Documentation	52
8.18.2.1	CheckPostalCode	52
8.18.3	Member Function Documentation	52
8.18.3.1	check	52
8.18.3.2	getCountry	52
8.18.3.3	setCountry	52
8.19	Gui::Widgets::CheckFields::CheckQLineEdit Class Reference	53
8.19.1	Detailed Description	53
8.19.2	Constructor & Destructor Documentation	53
8.19.2.1	CheckQLineEdit	53
8.19.3	Member Function Documentation	54
8.19.3.1	getBtnValid	54
8.19.3.2	isValid	54
8.19.3.3	setBtnValid	54
8.20	Gui::Widgets::CheckFields::CheckSiretNumber Class Reference	54
8.20.1	Detailed Description	55
8.20.2	Constructor & Destructor Documentation	55
8.20.2.1	CheckSiretNumber	55
8.20.3	Member Function Documentation	55
8.20.3.1	check	55
8.21	Gui::Widgets::CheckFields::CheckUntilField Class Reference	55
8.21.1	Detailed Description	56
8.21.2	Constructor & Destructor Documentation	56
8.21.2.1	CheckUntilField	56
8.21.3	Member Function Documentation	56
8.21.3.1	check	56
8.22	Gui::Widgets::CheckFields::CheckValidField Class Reference	56
8.22.1	Detailed Description	57
8.22.2	Constructor & Destructor Documentation	57
8.22.2.1	CheckValidField	57
8.22.3	Member Function Documentation	57

8.22.3.1	check	57
8.23	Gui::Widgets::Delegates::ComboBoxDelegate Class Reference	58
8.23.1	Detailed Description	58
8.23.2	Constructor & Destructor Documentation	58
8.23.2.1	ComboBoxDelegate	58
8.23.3	Member Function Documentation	59
8.23.3.1	createEditor	59
8.23.3.2	paint	60
8.23.3.3	setEditorData	60
8.23.3.4	setModelData	60
8.23.3.5	updateEditorGeometry	60
8.24	Gui::Widgets::ComboBoxModelWidget Class Reference	61
8.24.1	Detailed Description	61
8.24.2	Constructor & Destructor Documentation	61
8.24.2.1	ComboBoxModelWidget	61
8.25	Mustache::Context Class Reference	61
8.25.1	Detailed Description	62
8.25.2	Constructor & Destructor Documentation	62
8.25.2.1	Context	62
8.25.3	Member Function Documentation	62
8.25.3.1	canEval	62
8.25.3.2	eval	62
8.25.3.3	isFalse	63
8.25.3.4	listCount	63
8.25.3.5	partialResolver	63
8.25.3.6	partialValue	63
8.25.3.7	pop	63
8.25.3.8	push	63
8.25.3.9	stringValue	63
8.26	ContributoriesDatabaseTest Class Reference	63
8.27	Models::ContributoriesList Class Reference	64
8.27.1	Member Function Documentation	64
8.27.1.1	setAllIdContributories	64
8.28	Gui::Widgets::WdgModels::ContributoriesTableModel Class Reference	65
8.28.1	Detailed Description	66
8.28.2	Constructor & Destructor Documentation	66
8.28.2.1	ContributoriesTableModel	66
8.28.3	Member Function Documentation	66
8.28.3.1	append	66
8.28.3.2	columnCount	66

8.28.3.3	count	66
8.28.3.4	data	66
8.28.3.5	flags	67
8.28.3.6	getContributories	67
8.28.3.7	getSumQuantity	67
8.28.3.8	headerData	67
8.28.3.9	remove	67
8.28.3.10	rowCount	68
8.28.3.11	setData	68
8.29	Gui::Widgets::ContributoriesWidget Class Reference	68
8.29.1	Detailed Description	69
8.29.2	Constructor & Destructor Documentation	69
8.29.2.1	ContributoriesWidget	69
8.29.3	Member Function Documentation	69
8.29.3.1	add	69
8.29.3.2	addProject	70
8.29.3.3	count	70
8.29.3.4	getContributories	70
8.30	Models::Contributory Class Reference	70
8.30.1	Detailed Description	71
8.30.2	Constructor & Destructor Documentation	71
8.30.2.1	Contributory	71
8.30.3	Member Function Documentation	72
8.30.3.1	getDataMap	72
8.30.3.2	getDescription	72
8.30.3.3	getNbHours	72
8.30.3.4	getProject	72
8.30.3.5	hydrat	72
8.30.3.6	operator!=	72
8.30.3.7	operator==	73
8.30.3.8	setDescription	73
8.30.3.9	setNbHours	73
8.30.3.10	setProject	73
8.31	Databases::ContributoryDatabase Class Reference	73
8.31.1	Detailed Description	74
8.31.2	Member Function Documentation	74
8.31.2.1	addContributory	74
8.31.2.2	getContributoriesByBilling	75
8.31.2.3	getContributoriesByBillingAndProject	76
8.31.2.4	getContributory	76

8.31.2.5	getContributory	76
8.31.2.6	instance	76
8.31.2.7	removeContributory	77
8.32	ContributoryListTest Class Reference	78
8.33	ContributoryModelTest Class Reference	78
8.34	CounterContext Class Reference	78
8.34.1	Member Function Documentation	79
8.34.1.1	canEval	79
8.34.1.2	canEval	79
8.34.1.3	eval	79
8.34.1.4	eval	79
8.34.1.5	stringValue	80
8.34.1.6	stringValue	80
8.35	Models::Customer Class Reference	80
8.35.1	Detailed Description	82
8.35.2	Constructor & Destructor Documentation	82
8.35.2.1	Customer	82
8.35.3	Member Function Documentation	82
8.35.3.1	getAddress	82
8.35.3.2	getCity	82
8.35.3.3	getCompany	82
8.35.3.4	getCountry	82
8.35.3.5	getDataMap	83
8.35.3.6	getEmail	83
8.35.3.7	getFax	83
8.35.3.8	getFirstnameReferent	83
8.35.3.9	getLastnameReferent	83
8.35.3.10	getMobilePhone	83
8.35.3.11	getNameFolder	84
8.35.3.12	getPath	84
8.35.3.13	getPhone	84
8.35.3.14	getPostalCode	84
8.35.3.15	hydrat	84
8.35.3.16	operator!=	84
8.35.3.17	operator==	85
8.35.3.18	setAddress	86
8.35.3.19	setCity	86
8.35.3.20	setCompany	86
8.35.3.21	setCountry	86
8.35.3.22	setEmail	86

8.35.3.23	setFax	86
8.35.3.24	setFirstnameReferent	87
8.35.3.25	setLastnameReferent	87
8.35.3.26	setMobilePhone	87
8.35.3.27	setPhone	87
8.35.3.28	setPostalCode	87
8.36	Gui::Widgets::CustomerContextualMenu Class Reference	87
8.36.1	Detailed Description	88
8.36.2	Constructor & Destructor Documentation	88
8.36.2.1	CustomerContextualMenu	88
8.37	Databases::CustomerDatabase Class Reference	88
8.37.1	Detailed Description	89
8.37.2	Member Function Documentation	90
8.37.2.1	addCustomer	90
8.37.2.2	getCustomer	90
8.37.2.3	getCustomer	90
8.37.2.4	getCustomersTable	90
8.37.2.5	getItemBillQuote	90
8.37.2.6	getItemCustomer	91
8.37.2.7	getItemProject	91
8.37.2.8	getItemRoot	91
8.37.2.9	getNbCustomers	91
8.37.2.10	getTree	91
8.37.2.11	instance	92
8.37.2.12	removeCustomer	92
8.37.2.13	updateCustomer	92
8.38	CustomerDatabaseTest Class Reference	92
8.39	Gui::Widgets::CustomerDataWidget Class Reference	93
8.39.1	Detailed Description	93
8.39.2	Member Function Documentation	93
8.39.2.1	printInformations	93
8.40	CustomerModelTest Class Reference	93
8.41	Gui::Widgets::WdgModels::CustomersTableModel Class Reference	94
8.41.1	Detailed Description	95
8.41.2	Constructor & Destructor Documentation	95
8.41.2.1	CustomersTableModel	95
8.41.3	Member Function Documentation	95
8.41.3.1	append	95
8.41.3.2	columnCount	95
8.41.3.3	count	95

8.41.3.4	data	95
8.41.3.5	flags	96
8.41.3.6	getCustomers	96
8.41.3.7	headerData	96
8.41.3.8	remove	96
8.41.3.9	rowCount	97
8.41.3.10	setData	97
8.42	Databases::Database Class Reference	97
8.42.1	Detailed Description	98
8.42.2	Member Function Documentation	99
8.42.2.1	executeFile	99
8.42.2.2	instance	100
8.42.2.3	lastError	100
8.42.2.4	setDatabase	100
8.42.2.5	value	100
8.43	Gui::Widgets::DatabaseSettingsWidget Class Reference	100
8.43.1	Detailed Description	101
8.43.2	Constructor & Destructor Documentation	102
8.43.2.1	DatabaseSettingsWidget	102
8.43.3	Member Function Documentation	103
8.43.3.1	getDatabaseName	103
8.43.3.2	getDomainNameOrIP	103
8.43.3.3	getLogin	103
8.43.3.4	getPassword	103
8.43.3.5	getPort	103
8.43.3.6	isValid	103
8.44	Exceptions::DbException Class Reference	104
8.44.1	Detailed Description	104
8.44.2	Constructor & Destructor Documentation	104
8.44.2.1	DbException	104
8.44.3	Member Function Documentation	105
8.44.3.1	popupMessage	105
8.45	Gui::Dialogs::DialogAddCustomer Class Reference	106
8.45.1	Detailed Description	106
8.45.2	Constructor & Destructor Documentation	106
8.45.2.1	DialogAddCustomer	106
8.46	Utils::Directories Class Reference	107
8.46.1	Member Function Documentation	107
8.46.1.1	makeDirectory	107
8.47	Gui::Widgets::Delegates::DoubleSpinBoxDelegate Class Reference	107

8.47.1 Detailed Description	108
8.47.2 Constructor & Destructor Documentation	108
8.47.2.1 DoubleSpinBoxDelegate	108
8.47.3 Member Function Documentation	108
8.47.3.1 createEditor	108
8.47.3.2 setEditorData	108
8.47.3.3 setModelData	109
8.47.3.4 updateEditorGeometry	109
8.48 Exceptions::FileException Class Reference	109
8.48.1 Detailed Description	109
8.48.2 Constructor & Destructor Documentation	110
8.48.2.1 FileException	110
8.48.3 Member Function Documentation	111
8.48.3.1 popupMessage	111
8.49 Generation Class Reference	111
8.50 Utils::HierarchicalSystem Class Reference	111
8.50.1 Detailed Description	112
8.50.2 Member Function Documentation	112
8.50.2.1 addBillingToProject	112
8.50.2.2 addProjectToCustomer	112
8.50.2.3 getCustomers	112
8.50.2.4 getProjects	113
8.51 Gui::Widgets::CheckFields::ICheckField Class Reference	113
8.51.1 Detailed Description	113
8.51.2 Member Function Documentation	113
8.51.2.1 check	113
8.52 Models::IModel Class Reference	114
8.52.1 Detailed Description	114
8.52.2 Member Function Documentation	115
8.52.2.1 getDataMap	115
8.52.2.2 getId	115
8.52.2.3 hydrat	115
8.52.2.4 isToRemoved	115
8.52.2.5 setId	115
8.52.2.6 setToRemoved	115
8.53 Utils::ItemType Class Reference	116
8.53.1 Detailed Description	116
8.53.2 Constructor & Destructor Documentation	116
8.53.2.1 ItemType	116
8.53.3 Member Function Documentation	116

8.53.3.1	getModel	116
8.53.3.2	getName	117
8.53.3.3	getType	117
8.53.3.4	setName	117
8.53.3.5	setType	117
8.54	ItemTypeTest Class Reference	117
8.55	Utils::Log Class Reference	118
8.55.1	Detailed Description	118
8.55.2	Member Function Documentation	118
8.55.2.1	instance	118
8.55.2.2	write	118
8.55.3	Friends And Related Function Documentation	119
8.55.3.1	operator<<	119
8.56	Gui::MainWindow Class Reference	119
8.56.1	Detailed Description	121
8.56.2	Constructor & Destructor Documentation	121
8.56.2.1	MainWindow	121
8.56.3	Member Function Documentation	121
8.56.3.1	addBill	121
8.56.3.2	addDoc	121
8.56.3.3	addProject	121
8.56.3.4	addQuote	121
8.56.3.5	editUser	122
8.56.3.6	getCurrentCustomerId	122
8.56.3.7	getCurrentCustomerName	122
8.56.3.8	getCurrentProjectId	122
8.56.3.9	getCurrentProjectName	122
8.56.3.10	getCurrentQuoteId	122
8.56.3.11	rootTree	122
8.56.3.12	search	123
8.56.3.13	treeLevel	124
8.57	Gui::Dialogs::MessageBox Class Reference	124
8.57.1	Detailed Description	125
8.57.2	Constructor & Destructor Documentation	125
8.57.2.1	MessageBox	125
8.57.3	Member Function Documentation	125
8.57.3.1	setImage	125
8.57.3.2	setText	125
8.58	Parameters Class Reference	125
8.58.1	Detailed Description	126

8.58.2	Member Data Documentation	126
8.58.2.1	DB_FILENAME	126
8.58.2.2	VERSION	126
8.59	Mustache::PartialFileLoader Class Reference	126
8.59.1	Detailed Description	126
8.59.2	Member Function Documentation	126
8.59.2.1	getPartial	126
8.60	Mustache::PartialMap Class Reference	127
8.60.1	Detailed Description	127
8.60.2	Member Function Documentation	127
8.60.2.1	getPartial	127
8.61	Mustache::PartialResolver Class Reference	127
8.61.1	Detailed Description	128
8.61.2	Member Function Documentation	128
8.61.2.1	getPartial	128
8.62	Generator::PdfGenerator Class Reference	128
8.62.1	Detailed Description	128
8.62.2	Constructor & Destructor Documentation	128
8.62.2.1	PdfGenerator	128
8.62.3	Member Function Documentation	128
8.62.3.1	generate	128
8.63	Utils::pointers Class Reference	129
8.64	Gui::Widgets::Popup Class Reference	129
8.64.1	Detailed Description	129
8.65	Models::Project Class Reference	129
8.65.1	Detailed Description	131
8.65.2	Constructor & Destructor Documentation	131
8.65.2.1	Project	131
8.65.3	Member Function Documentation	131
8.65.3.1	costCompute	131
8.65.3.2	getBeginDate	131
8.65.3.3	getCost	132
8.65.3.4	getCustomer	132
8.65.3.5	getDailyRate	132
8.65.3.6	getDataMap	132
8.65.3.7	getDescription	132
8.65.3.8	getEndDate	132
8.65.3.9	getName	133
8.65.3.10	hydrat	133
8.65.3.11	operator!=	133

8.65.3.12	operator<	133
8.65.3.13	operator==	133
8.65.3.14	setBeginDate	133
8.65.3.15	setCost	134
8.65.3.16	setCustomer	134
8.65.3.17	setDailyRate	134
8.65.3.18	setDescription	134
8.65.3.19	setEndDate	134
8.65.3.20	setName	134
8.66	Gui::Widgets::Delegates::ProjectComboDelegate Class Reference	135
8.66.1	Detailed Description	135
8.66.2	Constructor & Destructor Documentation	135
8.66.2.1	ProjectComboDelegate	135
8.66.3	Member Function Documentation	136
8.66.3.1	createEditor	136
8.66.3.2	getLocked	137
8.66.3.3	getProjects	137
8.66.3.4	paint	137
8.66.3.5	setLocked	137
8.67	Gui::Widgets::WdgModels::ProjectContributoriesTableModel Class Reference	138
8.67.1	Detailed Description	138
8.67.2	Constructor & Destructor Documentation	139
8.67.2.1	ProjectContributoriesTableModel	139
8.67.3	Member Function Documentation	139
8.67.3.1	allProjectsChose	139
8.67.3.2	append	139
8.67.3.3	columnCount	139
8.67.3.4	data	139
8.67.3.5	flags	139
8.67.3.6	getProject	140
8.67.3.7	getProjects	140
8.67.3.8	getSelectedProjects	140
8.67.3.9	headerData	140
8.67.3.10	remove	140
8.67.3.11	rowCount	141
8.67.3.12	setData	141
8.68	Databases::ProjectDatabase Class Reference	141
8.68.1	Detailed Description	142
8.68.2	Member Function Documentation	142
8.68.2.1	addProject	142

8.68.2.2	getAllProjects	142
8.68.2.3	getNbProjects	143
8.68.2.4	getNbProjectsForACustomer	143
8.68.2.5	getProject	143
8.68.2.6	getProject	143
8.68.2.7	getProjectsOfCustomer	143
8.68.2.8	getProjectsTable	144
8.68.2.9	instance	145
8.68.2.10	removeProject	145
8.68.2.11	updateProject	145
8.69	ProjectDatabaseTest Class Reference	145
8.70	ProjectModelTest Class Reference	146
8.71	Gui::Widgets::WdgModels::ProjectsTableModel Class Reference	146
8.71.1	Detailed Description	147
8.71.2	Constructor & Destructor Documentation	147
8.71.2.1	ProjectsTableModel	147
8.71.3	Member Function Documentation	147
8.71.3.1	append	147
8.71.3.2	columnCount	147
8.71.3.3	count	147
8.71.3.4	data	147
8.71.3.5	flags	148
8.71.3.6	getProjects	148
8.71.3.7	headerData	148
8.71.3.8	remove	148
8.71.3.9	rowCount	149
8.71.3.10	setData	149
8.72	Gui::Widgets::ProjectsWidget Class Reference	149
8.72.1	Detailed Description	150
8.72.2	Constructor & Destructor Documentation	150
8.72.2.1	ProjectsWidget	150
8.72.3	Member Function Documentation	150
8.72.3.1	updateBtn	150
8.73	Mustache::QtVariantContext Class Reference	150
8.73.1	Detailed Description	151
8.73.2	Member Typedef Documentation	151
8.73.2.1	fn_t	151
8.73.3	Member Function Documentation	151
8.73.3.1	canEval	151
8.73.3.2	eval	151

8.73.3.3	isFalse	152
8.73.3.4	listCount	152
8.73.3.5	pop	152
8.73.3.6	push	152
8.73.3.7	stringValue	152
8.74	Models::Rate Class Reference	152
8.74.1	Detailed Description	153
8.74.2	Constructor & Destructor Documentation	153
8.74.2.1	Rate	153
8.74.2.2	Rate	153
8.74.3	Member Function Documentation	153
8.74.3.1	getDailyRate	153
8.74.3.2	getHourlyRate	154
8.74.3.3	getLegalRate	154
8.74.3.4	getNbDailyHours	154
8.75	Databases::RateDatabase Class Reference	154
8.75.1	Member Function Documentation	155
8.75.1.1	addRateProject	155
8.75.1.2	getRate	155
8.75.1.3	instance	155
8.75.1.4	updateRateProject	155
8.76	RateModelTest Class Reference	156
8.77	Gui::Widgets::RateWidget Class Reference	156
8.77.1	Detailed Description	157
8.77.2	Constructor & Destructor Documentation	157
8.77.2.1	RateWidget	157
8.77.3	Member Function Documentation	157
8.77.3.1	getDailyRate	157
8.77.3.2	getHourlyRate	157
8.77.3.3	setDailyRate	157
8.77.3.4	setHourlyRate	157
8.77.3.5	setWidgetDailyRateValue	157
8.77.3.6	setWidgetHourlyRateValue	158
8.78	Mustache::Renderer Class Reference	158
8.78.1	Detailed Description	158
8.78.2	Member Function Documentation	158
8.78.2.1	error	158
8.78.2.2	errorPartial	158
8.78.2.3	errorPos	158
8.78.2.4	render	159

8.78.2.5	setTagMarkers	159
8.79	Models::Search Class Reference	159
8.79.1	Detailed Description	160
8.79.2	Member Function Documentation	160
8.79.2.1	filterOnBillsOrQuotes	160
8.79.2.2	filterOnCompany	160
8.79.2.3	filterOnContributories	160
8.79.2.4	filterOnCustomersWithoutProject	161
8.79.2.5	filterOnNumberElements	161
8.79.2.6	filterOnProjects	161
8.79.2.7	filterOnReferentLastname	161
8.79.2.8	filterOnVarcharElements	161
8.79.2.9	getFilter	162
8.79.2.10	getGroupFilter	162
8.79.2.11	getSearchInBillsQuotes	162
8.79.2.12	getSearchInCompanies	162
8.79.2.13	getSearchInProjects	162
8.79.2.14	getSearchInReferentLastname	162
8.79.2.15	getText	162
8.79.2.16	searchInContributories	163
8.79.2.17	setGroupFilter	163
8.79.2.18	setSearchInBillsQuotes	163
8.79.2.19	setSearchInCompanies	163
8.79.2.20	setSearchInContributories	163
8.79.2.21	setSearchInProjects	163
8.79.2.22	setSearchInReferentLastname	163
8.79.2.23	setText	164
8.80	Gui::Docks::SearchDock Class Reference	164
8.80.1	Detailed Description	164
8.80.2	Constructor & Destructor Documentation	165
8.80.2.1	SearchDock	165
8.80.3	Member Function Documentation	166
8.80.3.1	search	166
8.80.3.2	textChanged	166
8.81	searchTest Class Reference	166
8.82	Gui::Widgets::searchWidget Class Reference	166
8.82.1	Detailed Description	167
8.82.2	Constructor & Destructor Documentation	167
8.82.2.1	searchWidget	167
8.82.3	Member Function Documentation	168

8.82.3.1	getCurrentCustomerId	168
8.82.3.2	isCustomerSelected	168
8.82.3.3	search	168
8.83	Gui::Dialogs::StartedWindowsDialog Class Reference	168
8.83.1	Detailed Description	169
8.83.2	Constructor & Destructor Documentation	169
8.83.2.1	StartedWindowsDialog	169
8.83.3	Member Function Documentation	169
8.83.3.1	databaseTypeChanged	169
8.83.3.2	getImage	170
8.83.3.3	isDatabaseCentralized	170
8.83.3.4	isDatabaseTypeValid	170
8.84	Utils::String Class Reference	170
8.84.1	Detailed Description	171
8.84.2	Member Function Documentation	171
8.84.2.1	firstLetterToUpper	171
8.85	StringTest Class Reference	171
8.86	Mustache::Tag Struct Reference	171
8.86.1	Detailed Description	172
8.86.2	Member Enumeration Documentation	172
8.86.2.1	Type	172
8.87	TestAdder< T > Class Template Reference	172
8.88	testadder Class Reference	172
8.89	TestMustache Class Reference	173
8.90	TestRunner Class Reference	173
8.91	Generator::TexGenerator Class Reference	173
8.91.1	Detailed Description	173
8.91.2	Constructor & Destructor Documentation	174
8.91.2.1	TexGenerator	174
8.91.3	Member Function Documentation	175
8.91.3.1	generate	175
8.92	Gui::Widgets::Delegates::UnitComboDelegate Class Reference	175
8.92.1	Detailed Description	175
8.92.2	Constructor & Destructor Documentation	175
8.92.2.1	UnitComboDelegate	176
8.92.3	Member Function Documentation	177
8.92.3.1	createEditor	177
8.92.3.2	paint	177
8.93	Models::User Class Reference	177
8.93.1	Detailed Description	179

8.93.2	Constructor & Destructor Documentation	179
8.93.2.1	User	179
8.93.3	Member Function Documentation	179
8.93.3.1	getAddress	179
8.93.3.2	getCity	180
8.93.3.3	getCompany	180
8.93.3.4	getDataMap	180
8.93.3.5	getEmail	180
8.93.3.6	getFirstname	180
8.93.3.7	getLastName	180
8.93.3.8	getMobilePhone	181
8.93.3.9	getNoSiret	181
8.93.3.10	getPhone	181
8.93.3.11	getPostalCode	181
8.93.3.12	getTitle	181
8.93.3.13	getWorkspaceName	181
8.93.3.14	getWorkspacePath	181
8.93.3.15	hydrat	182
8.93.3.16	operator!=	183
8.93.3.17	operator==	183
8.93.3.18	setAddress	183
8.93.3.19	setCity	183
8.93.3.20	setCompany	183
8.93.3.21	setEmail	184
8.93.3.22	setFirstname	184
8.93.3.23	setLastName	184
8.93.3.24	setMobilePhone	184
8.93.3.25	setNoSiret	184
8.93.3.26	setPhone	184
8.93.3.27	setPostalCode	185
8.93.3.28	setTitle	186
8.93.3.29	setWorkspaceName	186
8.93.3.30	setWorkspacePath	186
8.93.3.31	updateFolders	186
8.94	Databases::UserDatabase Class Reference	186
8.94.1	Detailed Description	187
8.94.2	Member Function Documentation	187
8.94.2.1	getUser	187
8.94.2.2	instance	187
8.95	UserDatabaseTest Class Reference	188

8.96	Gui::Dialogs::UserDataDialog Class Reference	188
8.96.1	Detailed Description	189
8.96.2	Constructor & Destructor Documentation	189
8.96.2.1	UserDataDialog	189
8.97	UserModelTest Class Reference	189
Index		190

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	??
Databases::Database	??
Databases::BillingDatabase	??
Databases::ContributoryDatabase	??
Databases::CustomerDatabase	??
Databases::ProjectDatabase	??
Databases::RateDatabase	??
Databases::UserDatabase	??
Utils::Directories	??
exception	
Exceptions::DbException	??
Exceptions::FileException	??
Utils::HierarchicalSystem	??
Gui::Widgets::CheckFields::ICheckField	??
Gui::Widgets::CheckFields::CheckQLineEdit	??
Gui::Widgets::CheckFields::CheckEmail	??
Gui::Widgets::CheckFields::CheckPortNumber	??
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::CheckFieldsNumbers	??
Gui::Widgets::CheckFields::CheckIpAddress	??
Gui::Widgets::CheckFields::CheckLogin	??
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	??
Generator::PdfGenerator	??
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::StartedWindowsDialog	??
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	??
ContributoryListTest	??
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::DatabaseSettingsWidget	??
Gui::Widgets::ProjectsWidget	??
Gui::Widgets::RateWidget	??
Gui::Widgets::searchWidget	??
Models::Rate	??
Mustache::Renderer	??
Models::Search	??
Utils::String	??
Mustache::Tag	??
TestAdder< T >	??
testadder	??
TestRunner	??
Generator::TexGenerator	??

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::CheckFieldsNumbers	
Line Edit of number with a check icon	??
Gui::Widgets::CheckFields::CheckIpAddress	
Line Edit of IP address with a check icon	??
Gui::Widgets::CheckFields::CheckLogin	
Line Edit of login with a check icon	??
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::CheckPortNumber	
The CheckFieldsNumbers class Line Edit of 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	
The ComboBoxDelegate class	??
Gui::Widgets::ComboBoxModelWidget	
Model of ComboBox	??
Mustache::Context	??
ContributoriesDatabaseTest	??
Models::ContributoriesList	??
Gui::Widgets::WdgModels::ContributoriesTableModel	
For a custom table for contributories widget	??
Gui::Widgets::ContributoriesWidget	
Widget of Contributories	??
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	??
Gui::Widgets::DatabaseSettingsWidget	
Windows of database settings	??
Exceptions::DbException	
For database exception : queries, db file, ...	??
Gui::Dialogs::DialogAddCustomer	
Window to add or modify a Customer	??
Utils::Directories	??
Gui::Widgets::Delegates::DoubleSpinBoxDelegate	
The DoubleSpinBoxDelegate class	??
Exceptions::FileException	
For file/access file exception	??
Generation	??
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	??
Generator::PdfGenerator	
Generator of PDF files	??
Utils::pointers	??
Gui::Widgets::Popup	
Class for display popup quickly	??
Models::Project	
: Project linked to a Customer	??
Gui::Widgets::Delegates::ProjectComboDelegate	
The ProjectComboDelegate class	??
Gui::Widgets::WdgModels::ProjectContributoriesTableModel	
Table model of contributories linked to projets	??
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	
Rate of a prestation	??
Databases::RateDatabase	??
RateModelTest	??
Gui::Widgets::RateWidget	
Class for display Rate	??
Mustache::Renderer	??
Models::Search	
The Search class	??
Gui::Docks::SearchDock	
Dock which contains search bar	??
searchTest	??
Gui::Widgets::searchWidget	
Class for search in database	??
Gui::Dialogs::StartedWindowsDialog	
Construct a Windows for the first begin	??
Utils::String	
The Utils class	??
StringTest	??
Mustache::Tag	??
TestAdder< T >	??
testadder	??
TestMustache	??
TestRunner	??
Generator::TexGenerator	
Generate a LaTeX file	??

Gui::Widgets::Delegates::UnitComboDelegate	
The UnitComboDelegate class	??
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 Model of ComboBox.
- class [ContributoriesWidget](#)
The [ContributoriesWidget](#) class Widget of Contributories.
- class [CustomerContextualMenu](#)
Display contextual menu on a customer.
- class [CustomerDataWidget](#)
Class for display info of a customer.
- class [DatabaseSettingsWidget](#)
The [DatabaseSettingsWidget](#) class Windows of database settings.
- 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](#)
The [Rate](#) class [Rate](#) of a prestation.
- 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)
- void **changeDocType** ()

Public Member Functions

- [AddQuoteDialog](#) (bool isBilling, int idCustomer=0, int id=0, bool copy=false, QWidget *parent=0)
[AddQuoteDialog::AddQuoteDialog](#) Construct a windows [AddQuoteDialog](#).
- void [fillFields](#) ()
[AddQuoteDialog::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.
- bool [getCopy](#) () const

- [AddQuoteDialog::getCopy](#) return if [AddQuoteDialog](#) is an add by copy of Billing/quote or if it's edition or add of Billing/quote.
- void [setCopy](#) (bool copy)
[AddQuoteDialog::setCopy](#) Change the `_copy` value to define if it's a copy of a Billing/quote or if it's a new Billing or a Billing edition.
 - int [getIdCustomer](#) () const
[AddQuoteDialog::getIdCustomer](#) get the id of the customer changing his quote/billing.
 - void [fillQuoteBilling](#) (bool isBilling)
[AddQuoteDialog::fillQuoteBilling](#) fill fields for a Billing or a quote.
 - void [fillQuoteBillingCopy](#) (bool isBilling)
[AddQuoteDialog::fillQuoteBilling](#) fill fields if it's a Billing or a quote for a copy.
 - void [setQuoteIdNumber](#) (int id, int idCustomer, bool isBilling)
[AddQuoteDialog::setQuoteIdNumber](#) set id and number of the `_quote`

8.2.1 Detailed Description

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

Author

8.2.2 Constructor & Destructor Documentation

- 8.2.2.1 `Gui::Dialogs::AddQuoteDialog::AddQuoteDialog (bool isBilling, int idCustomer = 0, int id = 0, bool copy = false, 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 `void Gui::Dialogs::AddQuoteDialog::fillQuoteBilling (bool isBilling)`

[AddQuoteDialog::fillQuoteBilling](#) fill fields for a Billing or a quote.

Parameters

<i>isBilling</i>	if it's a quote or a Billing
------------------	------------------------------

- 8.2.3.2 `bool Gui::Dialogs::AddQuoteDialog::getCopy () const`

[AddQuoteDialog::getCopy](#) return if [AddQuoteDialog](#) is an add by copy of Billing/quote or if it's edition or add of Billing/quote.

Returns

if it's a copy or not

8.2.3.3 `int Gui::Dialogs::AddQuoteDialog::getIdCustomer () const`

[AddQuoteDialog::getIdCustomer](#) get the id of the customer changing his quote/billing.

Returns

the id of the customer

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

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

Returns

int

8.2.3.5 `void Gui::Dialogs::AddQuoteDialog::setCopy (bool copy)`

[AddQuoteDialog::setCopy](#) Change the `_copy` value to define if it's a copy of a Billing/quote or if it's a new Billing or a Billing edition.

Parameters

<i>copy</i>	
-------------	--

8.2.3.6 `void Gui::Dialogs::AddQuoteDialog::setQuoteldNumber (int id, int idCustomer, bool isBilling)`

[AddQuoteDialog::setQuoteldNumber](#) set id and number of the `_quote`

Parameters

<i>id</i>	the id of the Billing
<i>idCustomer</i>	the id of the customer to set the <i>number</i>
<i>isBilling</i>	if it's a quote or a Billing

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](#) ()
Billing::getDataMap Get all data of model with a HashMap key/value.
- void [generateTex](#) ()
Billing::generateTex Generate a .tex file for the billing.
- void [generatePdf](#) ()
Billing::generatePdf Generate a .pdf file for the billing.
- QString [getPath](#) ()
Billing::getPath Return the path of billing filename (without extension)
- QString [getFolder](#) ()
Billing::getFolder Return the directory of billing.
- QString [getFilename](#) ()
Billing::getFilename Return the filename of billing (without extension)
- [ContributoriesList](#) & [getContributories](#) ()
Billing::getContributories. Return a map of [Contributory](#) for each [Project](#) of the [Billing](#)
- void [addContributory](#) ([Contributory](#) &c)
Billing::addContributories Add a new contributory for project p.
- double [getSumRate](#) ()
Billing::getSumRate. return [Billing](#) total by money.
- double [getSumQuantity](#) ()
Billing::getSumQuantity. return [Billing](#) total by time.
- 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

Antoine de Roquemaurel
Florent Berbie

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)

Billing::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]

[Billing::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 QString Models::Billing::getFilename ()

[Billing::getFilename](#) Return the filename of billing (without extension)

Returns

8.3.3.7 QString Models::Billing::getFolder ()

[Billing::getFolder](#) Return the directory of billing.

Returns

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

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

Returns

_number of [Billing](#)

8.3.3.9 QString Models::Billing::getPath ()

[Billing::getPath](#) Return the path of billing filename (without extension)

Returns

billing path

8.3.3.10 double Models::Billing::getSumQuantity ()

[Billing::getSumQuantity](#). return **Billing** total by time.

Returns

time in hours

8.3.3.11 double Models::Billing::getSumRate ()

[Billing::getSumRate](#). return **Billing** total by money.

Returns

money

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

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

Returns

title of **Billing**

8.3.3.13 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](#).

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

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

Returns

if it's billing or a quote

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

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

Returns

Boolean

8.3.3.16 `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 <code>Billing</code> to compare with the current <code>Billing</code>
----------	---

Returns

true if the `Billing` are different else false

8.3.3.17 `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 <code>Billing</code> to compare with the current <code>Billing</code>
----------	---

Returns

true if the `Billing` are different else false

8.3.3.18 `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 <code>Billing</code> to compare with the current <code>Billing</code>
----------	---

Returns

true if they are the same billings else false

8.3.3.19 `void Models::Billing::setDate (const QDate & getDate)`

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

Parameters

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

8.3.3.20 `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>
-----------------------	---

8.3.3.21 `void Models::Billing::setIsBilling (bool isBilling)`

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

Parameters

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

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

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

Parameters

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

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

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

Parameters

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

8.3.3.24 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 pld)
 - [*BillingDatabase::removeCustomer*](#) Remove the billing with the id pld
- 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 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.
- 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.
- QList< [Billing](#) > [getBillings](#) (const int projectId)
 - [*BillingDatabase::getBillings*](#) get bills by project.

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

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 `QList< Billing > Databases::BillingDatabase::getBillings (const int projectId)`

[BillingDatabase::getBillings](#) get bills by project.

Parameters

<i>projectId</i>	
------------------	--

Returns

List with bills

8.4.2.7 `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

8.4.2.8 `int Databases::BillingDatabase::getMaxBillingNumber ()`

`getMaxBillingNumber` Get the last number of a billing

Returns

The max number

8.4.2.9 `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

8.4.2.10 `int Databases::BillingDatabase::getMaxQuoteNumber ()`

`getMaxQuoteNumber` Get the last number of a quote

Returns

The last number

8.4.2.11 `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

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

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

See Also

[DbException](#)

Returns

Instance of [BillingDatabase](#)

8.4.2.13 **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

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

BillingDatabase::removeCustomer Remove the billing with the id *pld*

Parameters

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

8.4.2.15 **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/widgetsmodels/billingstablemodel.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/widgetsmodels/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)
CheckCountry::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)

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

Parameters

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

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

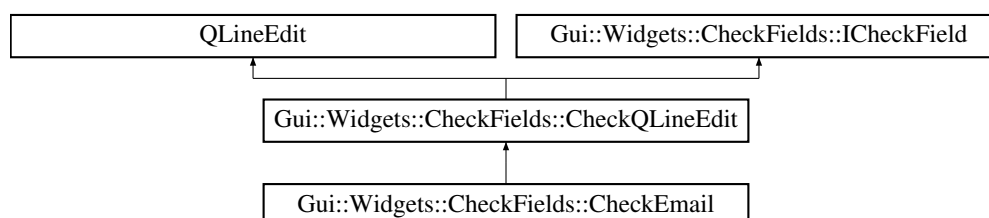
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkcountry.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkcountry.cpp

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

<i>text</i>	<i>Text to check</i>
-------------	----------------------

Returns

boolean Validity of the text

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

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

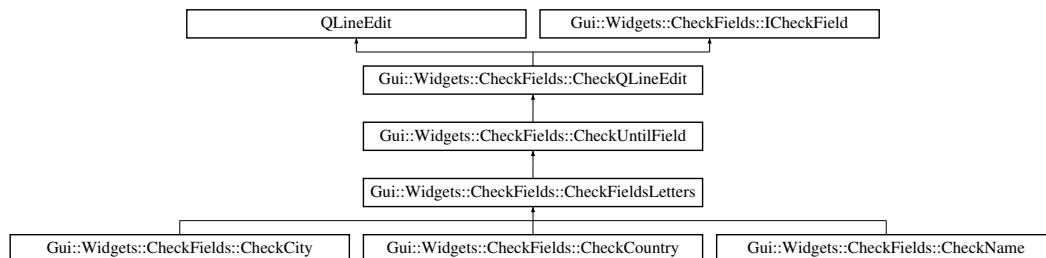
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkemail.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkemail.cpp

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)
[CheckFieldsLetters::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

w	QWidget linked to CheckFieldsLetters
---	--

8.11.3 Member Function Documentation

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

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

Parameters

text	Text to check
------	---------------

Returns

boolean Validity of the text

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::CheckFieldsNumbers Class Reference

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

```
#include <checkfieldsnumbers.h>
```

Inheritance diagram for Gui::Widgets::CheckFields::CheckFieldsNumbers:

**Public Member Functions**

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

Additional Inherited Members

8.12.1 Detailed Description

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

Author

Florent BERBIE

See Also

[CheckQLineEdit](#)
[CheckUntilField](#)

8.12.2 Constructor & Destructor Documentation

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

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

Parameters

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

8.12.3 Member Function Documentation

8.12.3.1 bool Gui::Widgets::CheckFields::CheckFieldsNumbers::check (QString *text*) [virtual]

[CheckFieldsNumbers::check](#) Check if the field contains only numbers.

Parameters

<i>text</i>	Text to check
-------------	---------------

Returns

boolean Validity of the text

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

8.13 Gui::Widgets::CheckFields::CheckIpAddress Class Reference

The [CheckIpAddress](#) class Line Edit of IP address with a check icon.

```
#include <checkipaddress.h>
```

Inheritance diagram for Gui::Widgets::CheckFields::CheckIpAddress:



Public Member Functions

- [CheckIpAddress](#) (QWidget *w=0, QPushButton *btn=0)
[CheckIpAddress::CheckIpAddress](#) Construct a [CheckIpAddress](#).
- bool [check](#) (QString *text*)
[CheckIpAddress::check](#) Check if the field contains an IP address or domain name valid.

Additional Inherited Members

8.13.1 Detailed Description

The [CheckIpAddress](#) class Line Edit of IP address with a check icon.

Author

Florent BERBIE

See Also

[CheckQLineEdit](#)
[CheckUntilField](#)

8.13.2 Constructor & Destructor Documentation

8.13.2.1 `Gui::Widgets::CheckFields::CheckIpAddress::CheckIpAddress (QWidget * w = 0, QPushButton * btn = 0)`[CheckIpAddress::CheckIpAddress](#) Construct a [CheckIpAddress](#).

Parameters

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

8.13.3 Member Function Documentation

8.13.3.1 `bool Gui::Widgets::CheckFields::CheckIpAddress::check (QString text) [virtual]`[CheckIpAddress::check](#) Check if the field contains an IP address or domain name valid.

Parameters

<i>text</i>	Text to check
-------------	---------------

Returns

boolean Validity of the text

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

8.14 Gui::Widgets::CheckFields::CheckLogin Class Reference

The [CheckLogin](#) class Line Edit of login with a check icon.

#include <checklogin.h>

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

Public Slots

- void [passwordPreviousInputed](#) (const QString &text)
[CheckLogin::fieldTextChanged](#) For each new characater inputed or removed, displays an icon to show if the field is valid or not.

Public Member Functions

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

8.14.1 Detailed Description

The [CheckLogin](#) class Line Edit of login with a check icon.

Author

Florent BERBIE

See Also

[CheckQLineEdit](#)
[CheckUntilField](#)

8.14.2 Constructor & Destructor Documentation

8.14.2.1 Gui::Widgets::CheckFields::CheckLogin::CheckLogin (QWidget * w = 0, QPushButton * btn = 0)

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

Parameters

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

8.14.3 Member Function Documentation

8.14.3.1 bool Gui::Widgets::CheckFields::CheckLogin::check (QString text) [virtual]

[CheckLogin::check](#) Check if the field contains only numbers.

Parameters

<i>text</i>	Text to check
-------------	---------------

Returns

boolean Validity of the text

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

8.15 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

8.15.1 Detailed Description

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

8.15.2 Constructor & Destructor Documentation

8.15.2.1 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

8.16 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

8.16.1 Detailed Description

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

8.16.2 Constructor & Destructor Documentation

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

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

Parameters

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

8.16.3 Member Function Documentation

8.16.3.1 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>	Text to check
-------------	---------------

Returns

boolean Validity of the text

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

8.16.3.2 QString Gui::Widgets::CheckFields::CheckPhone::getCountry () const

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

Returns

8.16.3.3 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:

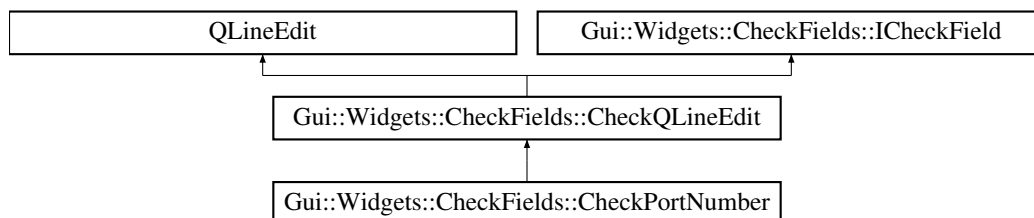
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkphone.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkphone.cpp

8.17 Gui::Widgets::CheckFields::CheckPortNumber Class Reference

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

```
#include <checkportnumber.h>
```

Inheritance diagram for Gui::Widgets::CheckFields::CheckPortNumber:



Public Member Functions

- [CheckPortNumber](#) (QWidget *w=0, QPushButton *btn=0)
[CheckPortNumber](#).
- bool [check](#) (QString text)
[CheckPortNumber::check](#) Check if the field contains only numbers or an empty text.

Additional Inherited Members

8.17.1 Detailed Description

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

Author

Florent BERBIE

See Also

[CheckQLineEdit](#)
[CheckUntilField](#)

8.17.2 Constructor & Destructor Documentation

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

[CheckPortNumber.](#)

Parameters

<i>w</i>	Widget parent
<i>btn</i>	Button parretrn

8.17.3 Member Function Documentation

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

[CheckPortNumber::check](#) Check if the field contains only numbers or an empty text.

Parameters

<i>text</i>	Text to check
-------------	---------------

Returns

boolean Validity of the text

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

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

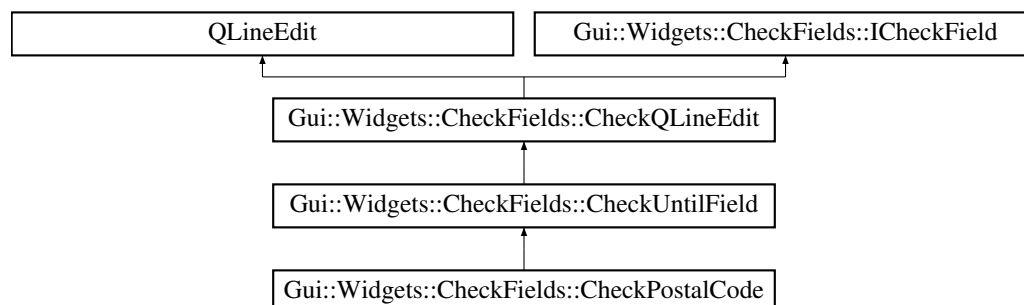
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkportnumber.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkportnumber.cpp

8.18 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

8.18.1 Detailed Description

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

8.18.2 Constructor & Destructor Documentation

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

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

Parameters

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

8.18.3 Member Function Documentation

8.18.3.1 `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>	Text to check
-------------	---------------

Returns

boolean Validity of the text

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

8.18.3.2 `QString Gui::Widgets::CheckFields::CheckPostalCode::getCountry () const`

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

Returns

country Country of the field

8.18.3.3 `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:

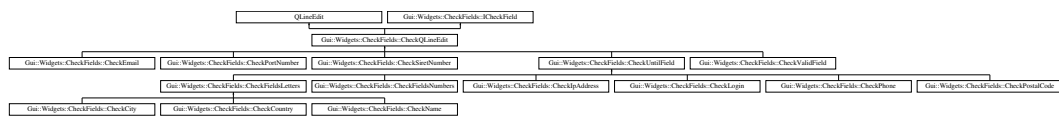
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkpostalcode.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkpostalcode.cpp

8.19 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

8.19.1 Detailed Description

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

8.19.2 Constructor & Destructor Documentation

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

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

Parameters

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

8.19.3 Member Function Documentation

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

[CheckQLineEdit::getBtnValid.](#)

Returns

a

8.19.3.2 `bool Gui::Widgets::CheckFields::CheckQLineEdit::isValid ()`

isValid Return true if the current field if valid

Returns

boolean

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

[CheckQLineEdit::setBtnValid.](#)

Parameters

<i>getBtnValid</i>	
--------------------	--

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

8.20 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

8.20.1 Detailed Description

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

8.20.2 Constructor & Destructor Documentation

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

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

Parameters

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

8.20.3 Member Function Documentation

8.20.3.1 [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>	Text to check
-------------	---------------

Returns

boolean Validity of the text

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

8.21 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

8.21.1 Detailed Description

The [CheckUntilField](#) class.

8.21.2 Constructor & Destructor Documentation

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

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

Parameters

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

8.21.3 Member Function Documentation

8.21.3.1 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>	Text to check
-------------	---------------

Returns

boolean Validity of the text

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

8.22 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

8.22.1 Detailed Description

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

8.22.2 Constructor & Destructor Documentation

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

[CheckValidField::CheckValidField](#).

Parameters

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

8.22.3 Member Function Documentation

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

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

Parameters

<i>text</i>	Text to check
-------------	---------------

Returns

boolean Validity of the text

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

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

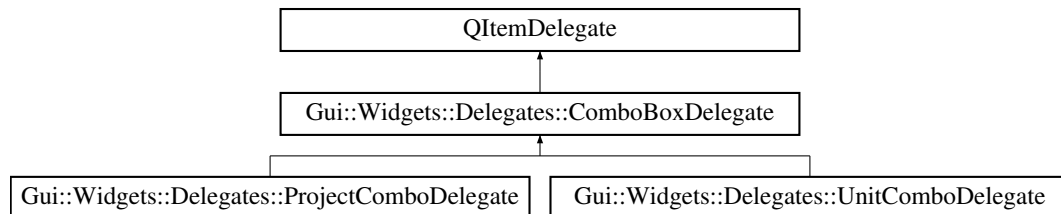
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkvalidfield.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/checkvalidfield.cpp

8.23 Gui::Widgets::Delegates::ComboBoxDelegate Class Reference

The [ComboBoxDelegate](#) class.

```
#include <comboboxdelegate.h>
```

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



Public Member Functions

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

8.23.1 Detailed Description

The [ComboBoxDelegate](#) class.

Author

Antoine de Roquemaurel

8.23.2 Constructor & Destructor Documentation

8.23.2.1 Gui::Widgets::Delegates::ComboBoxDelegate::ComboBoxDelegate (QObject * parent = 0)

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

Parameters

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

8.23.3 Member Function Documentation

8.23.3.1 `virtual QWidget* Gui::Widgets::Delegates::ComboBoxDelegate::createEditor (QWidget * parent, const QStyleOptionViewItem & option, const QModelIndex & index) const` [pure virtual]

[ComboBoxDelegate::createEditor](#).

Parameters

<i>parent</i>	
<i>option</i>	
<i>index</i>	

Returns

Implemented in [Gui::Widgets::Delegates::UnitComboDelegate](#), and [Gui::Widgets::Delegates::ProjectComboDelegate](#).

8.23.3.2 void Gui::Widgets::Delegates::ComboBoxDelegate::paint (QPainter * *painter*, const QStyleOptionViewItem & *option*, const QModelIndex & *index*) const [pure virtual]

[ComboBoxDelegate::paint](#).

Parameters

<i>painter</i>	
<i>option</i>	
<i>index</i>	

Implemented in [Gui::Widgets::Delegates::UnitComboDelegate](#), and [Gui::Widgets::Delegates::ProjectComboDelegate](#).

8.23.3.3 void Gui::Widgets::Delegates::ComboBoxDelegate::setEditorData (QWidget * *editor*, const QModelIndex & *index*) const

[ComboBoxDelegate::setEditorData](#).

Parameters

<i>editor</i>	
<i>index</i>	

8.23.3.4 void Gui::Widgets::Delegates::ComboBoxDelegate::setModelData (QWidget * *editor*, QAbstractItemModel * *model*, const QModelIndex & *index*) const

[ComboBoxDelegate::setModelData](#).

Parameters

<i>editor</i>	
<i>model</i>	
<i>index</i>	

8.23.3.5 void Gui::Widgets::Delegates::ComboBoxDelegate::updateEditorGeometry (QWidget * *editor*, const QStyleOptionViewItem & *option*, const QModelIndex & *index*) const

[ComboBoxDelegate::updateEditorGeometry](#).

Parameters

<i>editor</i>	
<i>option</i>	
<i>index</i>	

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

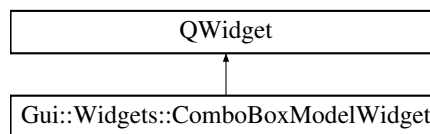
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/delegates/comboboxdelegate.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/delegates/comboboxdelegate.cpp

8.24 Gui::Widgets::ComboBoxModelWidget Class Reference

The [ComboBoxModelWidget](#) class Model of ComboBox.

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

Inheritance diagram for Gui::Widgets::ComboBoxModelWidget:



Public Member Functions

- [ComboBoxModelWidget](#) (QWidget *parent=0)
ComboBoxModelWidget::ComboBoxModelWidget Construct a [ComboBoxModelWidget](#).

8.24.1 Detailed Description

The [ComboBoxModelWidget](#) class Model of ComboBox.

8.24.2 Constructor & Destructor Documentation

8.24.2.1 [Gui::Widgets::ComboBoxModelWidget::ComboBoxModelWidget \(QWidget * *parent* = 0 \)](#) [explicit]

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

Parameters

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

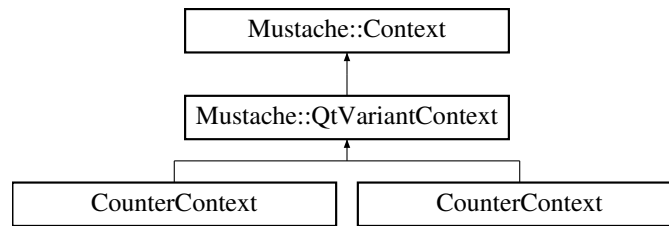
The documentation for this class was generated from the following files:

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

8.25 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)

8.25.1 Detailed Description

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

8.25.2 Constructor & Destructor Documentation

8.25.2.1 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.

8.25.3 Member Function Documentation

8.25.3.1 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](#).

8.25.3.2 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](#).

8.25.3.3 `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](#).

8.25.3.4 `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](#).

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

Returns the partial resolver passed to the constructor.

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

Returns the partial template for a given `key`.

8.25.3.7 `virtual void Mustache::Context::pop ()` `[pure virtual]`

Exit the current context.

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

8.25.3.8 `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](#).

8.25.3.9 `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.

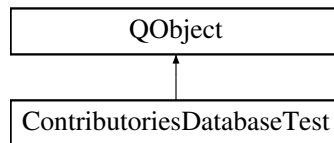
Implemented in [CounterContext](#), [CounterContext](#), and [Mustache::QtVariantContext](#).

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`

8.26 ContributoriesDatabaseTest Class Reference

Inheritance diagram for ContributoriesDatabaseTest:

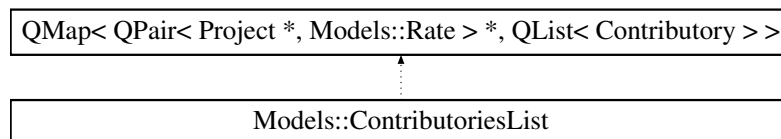


The documentation for this class was generated from the following files:

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

8.27 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 **getIdBilling** () const
- void **setIdBilling** (int getIdBilling)
- void **setAllIdContributories** (int idContributory)
ContributoriesList::setAllIdContributories 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** ()

8.27.1 Member Function Documentation

8.27.1.1 void Models::ContributoriesList::setAllIdContributories (int idContributory)

ContributoriesList::setAllIdContributories 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:

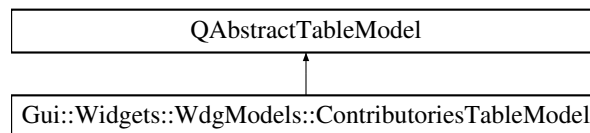
- /home/travis/build/FACT-Team/FactDev/src/models/contributorieslist.h
- /home/travis/build/FACT-Team/FactDev/src/models/contributorieslist.cpp

8.28 Gui::Widgets::WdgModels::ContributoriesTableModel Class Reference

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

```
#include <contributoriesTableModel.h>
```

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



Public Member Functions

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

8.28.1 Detailed Description

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

Author

Antoine de Roquemaurel

See Also

[Contributory](#)

8.28.2 Constructor & Destructor Documentation

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

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

Parameters

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

8.28.3 Member Function Documentation

8.28.3.1 `void Gui::Widgets::WdgModels::ContributoriesTableModel::append (const Contributory & contributory)`

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

Parameters

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

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

[ContributoriesTableModel::columnCount](#) Number of column of a contributory.

Returns

The number of column

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

[ContributoriesTableModel::count](#) Number of contributories in table.

Returns

The number of contributories

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

[ContributoriesTableModel::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

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

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

Parameters

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

Returns

Flags

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

[ContributoriesTableModel::getContributories](#) Get all contributories of table.

Returns

The contributory list

8.28.3.7 `double Gui::Widgets::WdgModels::ContributoriesTableModel::getSumQuantity () const`

[ContributoriesTableModel::getSumQuantity](#) Return the sum of the hours of all contriburoies added.

Returns

sum quantity

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

[ContributoriesTableModel::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

8.28.3.9 `void Gui::Widgets::WdgModels::ContributoriesTableModel::remove (const int i)`

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

Parameters

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

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

[ContributoriesTableModel::rowCount](#) Number of contributories row.

Returns

The number of contributories

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

[ContributoriesTableModel::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:

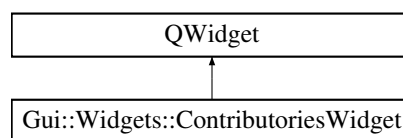
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/widgetmodels/contributoriesstablemodel.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/widgetmodels/contributoriesstablemodel.cpp

8.29 Gui::Widgets::ContributoriesWidget Class Reference

The [ContributoriesWidget](#) class Widget of Contributories.

```
#include <contributorieswidget.h>
```

Inheritance diagram for Gui::Widgets::ContributoriesWidget:



Public Slots

- void [add](#) (void)
ContributoriesWidget::add Add a new empty contributory.
- void [remove](#) (void)
ContributoriesWidget::remove Remove the current contributory.
- void [addProject](#) (QPair< [Project](#) *, [Rate](#) > *p=0)
ContributoriesWidget::addProject Add a Project and it rate p

- void [removeProject](#) (void)
ContributoriesWidget::removeProject Remove the current Project.
- void [changeProject](#) (void)
ContributoriesWidget::changeProject Change the current Project.
- void [editing](#) (void)
ContributoriesWidget::editing Remove the current Project in the combobox not used.
- void [updateUi](#) (void)
ContributoriesWidget::updateUi Update the User Interface.
- void [updatePrice](#) (void)
ContributoriesWidget::updatePrice Update total price.

Signals

- void [contributoryChanged](#) ()
ContributoriesWidget::contributoryChanged Signal that a contributory has changed.

Public Member Functions

- [ContributoriesWidget](#) (QSharedPointer< [Customer](#) > c, QWidget *parent=0)
ContributoriesWidget::ContributoriesWidget Construct a [ContributoriesWidget](#).
- [ContributoriesList](#) * [getContributories](#) () const
ContributoriesWidget::getContributories Get contributories List.
- int [count](#) ()
ContributoriesWidget::count Numbers of contributories.
- void [add](#) ([ContributoriesList](#) &list)
ContributoriesWidget::add Add contributorieslist list in the model.

8.29.1 Detailed Description

The [ContributoriesWidget](#) class Widget of Contributories.

8.29.2 Constructor & Destructor Documentation

8.29.2.1 [Gui::Widgets::ContributoriesWidget::ContributoriesWidget](#) (QSharedPointer< [Customer](#) > c, QWidget * parent = 0) [explicit]

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

Parameters

<i>c</i>	Customer
<i>parent</i>	Widget parent

8.29.3 Member Function Documentation

8.29.3.1 void [Gui::Widgets::ContributoriesWidget::add](#) ([ContributoriesList](#) & list)

[ContributoriesWidget::add](#) Add contributorieslist *list* in the model.

Parameters

<i>list</i>	the ContributoriesList
-------------	-------------------------------

8.29.3.2 void Gui::Widgets::ContributoriesWidget::addProject (QPair< Project *, Rate > * *p* = 0) [slot]

[ContributoriesWidget::addProject](#) Add a Projct and it rate *p*

Parameters

<i>p</i>	Rate linked to Project
----------	------------------------

8.29.3.3 int Gui::Widgets::ContributoriesWidget::count ()

[ContributoriesWidget::count](#) Numbers of contributories.

Returns

Numbers of contributories

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

[ContributoriesWidget::getContributories](#) Get contributories List.

Returns

ContributoriesList

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

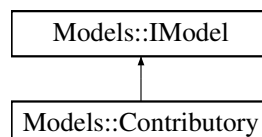
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/contributorieswidget.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/contributorieswidget.cpp

8.30 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](#)
- QString [getLongDescription \(\)](#) const
- void [setLongDescription \(const QString &getLongDescription\)](#)

Additional Inherited Members

8.30.1 Detailed Description

The [Contributory](#) class.

Author

8.30.2 Constructor & Destructor Documentation

8.30.2.1 Models::Contributory::Contributory (int id)

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

Parameters

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

8.30.3 Member Function Documentation

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

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

Returns

Model's data

Implements [Models::IModel](#).

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

getDescription Description of a contributory

Returns

The description

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

getNbHours Number of work hour of a contributory

Returns

Then number of hours

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

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

Returns

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

8.30.3.5 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](#).

8.30.3.6 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

8.30.3.7 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

8.30.3.8 void Models::Contributory::setDescription (const QString & getDescription)

setDescription Change the contributory description

Parameters

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

8.30.3.9 void Models::Contributory::setNbHours (double value)

setNbHours Change nbHours

Parameters

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

8.30.3.10 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

8.31 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 billingId)
ContributoryDatabase::getContributoriesByBilling get informations about the Contributory identified by Billing
- 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
- [Models::ContributoriesList](#) [getContributoriesByBillingAndProject](#) (const int billingId, const int projectId)
getContributory Get contributories list by project and billing

Static Public Member Functions

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

Additional Inherited Members

8.31.1 Detailed Description

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

Author

See Also

[Database](#)
Contributory/Quote

8.31.2 Member Function Documentation

8.31.2.1 int Databases::ContributoryDatabase::addContributory (const [Models::Contributory](#) & pContributory)

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

Returns

Contributory id

8.31.2.2 Models::ContributorList Databases::ContributoryDatabase::getContributorByBilling (const int *billingId*)

[ContributoryDatabase::getContributorByBilling](#) get informations about the Contributor identified by *Billing*

Parameters

<i>idBilling</i>	Contributory id
------------------	-----------------

Returns

the Contributory

8.31.2.3 **Models::ContributoriesList** Databases::ContributoryDatabase::getContributoriesByBillingAndProject (const int *billingId*, const int *projectId*)

getContributory Get contributories list by project and billing

Parameters

<i>billingId</i>	
<i>projectId</i>	

Returns

The contributories list by project and billing

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

ContributoryDatabase::getCustomer get informations about the Contributory identified by *pId*

Parameters

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

Returns

the Contributory

8.31.2.5 **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*

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

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

See Also

DbException

Returns

Instance of [ContributoryDatabase](#)

8.31.2.7 void Databases::ContributoryDatabase::removeContributory (const int *pld*)

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

Parameters

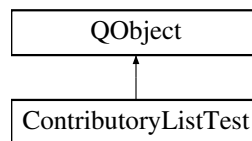
<i>pld</i>	Contributory id
------------	-----------------

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

8.32 ContributoryListTest Class Reference

Inheritance diagram for ContributoryListTest:

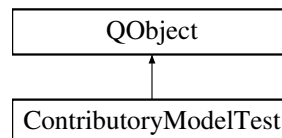


The documentation for this class was generated from the following files:

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

8.33 ContributoryModelTest Class Reference

Inheritance diagram for ContributoryModelTest:

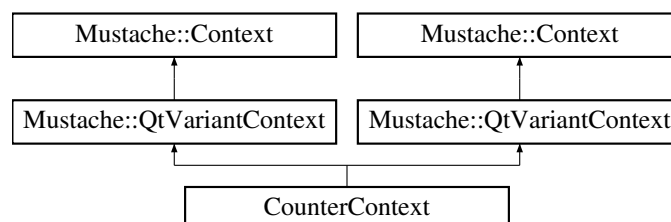


The documentation for this class was generated from the following files:

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

8.34 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

8.34.1 Member Function Documentation

8.34.1.1 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](#).

8.34.1.2 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](#).

8.34.1.3 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](#).

8.34.1.4 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](#).

8.34.1.5 `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](#).

8.34.1.6 `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:

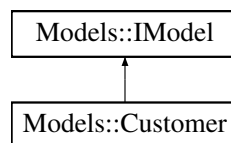
- `/home/travis/build/FACT-Team/FactDev/src/libs/qt-mustache/tests/test_mustache.cpp`

8.35 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

8.35.1 Detailed Description

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

Author

Antoine de Roquemaurel
Florent Berbie

8.35.2 Constructor & Destructor Documentation

8.35.2.1 `Models::Customer::Customer (int id)`

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

Parameters

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

8.35.3 Member Function Documentation

8.35.3.1 `QString Models::Customer::getAddress () const`

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

Returns

company address

8.35.3.2 `QString Models::Customer::getCity () const`

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

Returns

city of the customer company

8.35.3.3 `QString Models::Customer::getCompany () const`

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

Returns

name of the company customer

8.35.3.4 `QString Models::Customer::getCountry () const`

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

Returns

country of the customer company

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

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

Returns

Model's data

Implements [Models::IModel](#).

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

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

Returns

email of the customer company

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

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

Returns

fax number

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

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

Returns

Referent firstname of the customer

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

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

Returns

Referent lastname of the customer

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

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

Returns

number of mobile phone

8.35.3.11 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

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

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

Returns

workspace path

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

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

Returns

number of desktop phone

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

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

Returns

postal code of the customer company

8.35.3.15 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](#).

8.35.3.16 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

8.35.3.17 `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

8.35.3.18 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
----------------	---------------------

8.35.3.19 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
-------------	----------------------------------

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

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

Parameters

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

8.35.3.21 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
----------------	-------------------------------------

8.35.3.22 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
--------------	-----------------------------------

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

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

Parameters

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

8.35.3.24 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
---------------------------	--

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

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

Parameters

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

8.35.3.26 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
--------------------	----------------------------

8.35.3.27 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
--------------	-----------------------------

8.35.3.28 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:

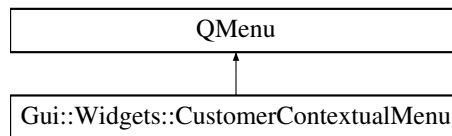
- /home/travis/build/FACT-Team/FactDev/src/models/customer.h
- /home/travis/build/FACT-Team/FactDev/src/models/customer.cpp

8.36 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.

8.36.1 Detailed Description

Display contextual menu on a customer.

Author

Antoine de Roquemaurel

8.36.2 Constructor & Destructor Documentation

8.36.2.1 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:

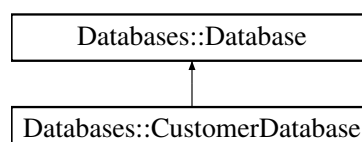
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/customercontextualmenu.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/customercontextualmenu.cpp

8.37 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](#) (QString q1)
CustomerDatabase::getItemCustomer Return the customer item for the QStandardItemModel.
- QStandardItem * [getItemProject](#) (QString q2)
CustomerDatabase::getItemProject Return the project item for the QStandardItemModel.
- QStandardItem * [getItemBillQuote](#) (QString q3)
CustomerDatabase::getItemCustomer Return the bill/quote item for the QStandardItemModel.
- QSharedPointer< [Models::Customer](#) > [getCustomer](#) (QString q)
CustomerDatabase::getCustomer Add the element of the q request and return their.
- void [updateCustomer](#) (QString 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

8.37.1 Detailed Description

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

Author

Antoine de Roquemaurel
 Manantsoa Razanajatovo
 Florent Berbie

See Also

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

8.37.2 Member Function Documentation

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

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

Returns

customer id

8.37.2.2 `QSharedPointer< Models::Customer > Databases::CustomerDatabase::getCustomer (const int pld)`

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

Parameters

<i>pld</i>	customer id
------------	-------------

Returns

the Customer

8.37.2.3 `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

8.37.2.4 `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

8.37.2.5 `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)

8.37.2.6 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)

8.37.2.7 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)

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

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

Returns

QStandardItem an item for QTree (level/depth 0)

8.37.2.9 int Databases::CustomerDatabase::getNbCustomers ()

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

Returns

number of customers

8.37.2.10 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

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

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

See Also

[DbException](#)

Returns

Instance of [CustomerDatabase](#)

8.37.2.12 **void Databases::CustomerDatabase::removeCustomer (const int *pld*)**

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

Parameters

<i>pld</i>	customer id
------------	-------------

8.37.2.13 **void Databases::CustomerDatabase::updateCustomer (QSqlQuery & *q*, Customer & *pCustomer*)**

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

Parameters

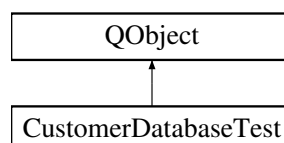
<i>q</i>	SQL request
----------	-------------

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

8.38 CustomerDatabaseTest Class Reference

Inheritance diagram for CustomerDatabaseTest:



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

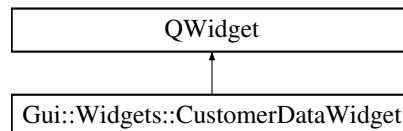
- /home/travis/build/FACT-Team/FactDev/tests/database/customerdatabasetest.h
- /home/travis/build/FACT-Team/FactDev/tests/database/customerdatabasetest.cpp

8.39 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

8.39.1 Detailed Description

Class for display info of a customer.

Author

8.39.2 Member Function Documentation

8.39.2.1 void Gui::Widgets::CustomerDataWidget::printInformations (int *id*)

printInformations Print Data of customer id

Parameters

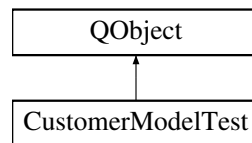
<i>id</i>	of customer to print
-----------	----------------------

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

8.40 CustomerModelTest Class Reference

Inheritance diagram for CustomerModelTest:



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

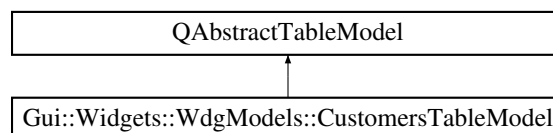
- /home/travis/build/FACT-Team/FactDev/tests/models/customermodeltest.h
- /home/travis/build/FACT-Team/FactDev/tests/models/customermodeltest.cpp

8.41 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.

8.41.1 Detailed Description

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

Author

Florent Berbie

See Also

[Customer](#)

8.41.2 Constructor & Destructor Documentation

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

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

Parameters

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

8.41.3 Member Function Documentation

8.41.3.1 `void Gui::Widgets::WdgModels::CustomersTableModel::append (const Customer & customer)`

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

Parameters

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

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

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

Returns

The number of column

8.41.3.3 `int Gui::Widgets::WdgModels::CustomersTableModel::count ()`

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

Returns

The number of customers

8.41.3.4 `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

8.41.3.5 `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

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

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

Returns

list of Customers

8.41.3.7 `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

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

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

Parameters

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

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

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

Returns

The number of customers

8.41.3.10 `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:

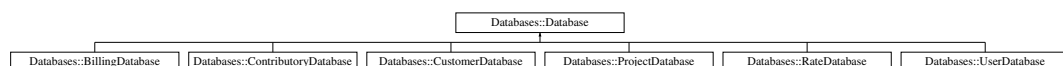
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/widgetsmodels/customerstablemodel.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/widgetsmodels/customerstablemodel.cpp

8.42 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 ocured 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.

8.42.1 Detailed Description

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

Author

Antoine de Roquemaurel

8.42.2 Member Function Documentation

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

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

Parameters

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

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

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

Returns

Instance of [Database](#)

8.42.2.3 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

8.42.2.4 void Databases::Database::setDatabase (QSqlDatabase sql)

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

Parameters

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

8.42.2.5 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:

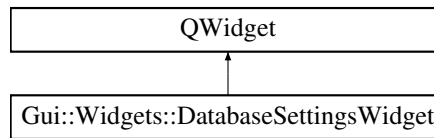
- /home/travis/build/FACT-Team/FactDev/src/database/database.h
- /home/travis/build/FACT-Team/FactDev/src/database/database.cpp

8.43 Gui::Widgets::DatabaseSettingsWidget Class Reference

The [DatabaseSettingsWidget](#) class Windows of database settings.

```
#include <databasesettingswidget.h>
```

Inheritance diagram for Gui::Widgets::DatabaseSettingsWidget:



Public Slots

- bool [isValid](#) ()
DatabaseSettingsWidget::isValid Return TRUE if all fields are correctly inputed else FALSE.
- void [checkRepeatPassword](#) (QString text)
DatabaseSettingsWidget::checkRepeatLogin Check if the second login field is the same than the first.
- void [userInterfaceChanged](#) ()
DatabaseSettingsWidget::userInterfaceChanged User interface has changed.

Signals

- void [textfieldChanged](#) ()
DatabaseSettingsWidget::textfieldChanged Signal which indicates if a fieldtext has changed.

Public Member Functions

- [DatabaseSettingsWidget](#) (QWidget *parent=0)
DatabaseSettingsWidget::DatabaseSettingsWidget Construct a [DatabaseSettingsWidget](#).
- void [fillFields](#) ()
DatabaseSettingsWidget::fillFields Complete fields with a default value for field Database name, Username, IP address and port.
- QString [getDatabaseName](#) ()
DatabaseSettingsWidget::getDatabaseName Return the database name.
- QString [getLogin](#) ()
DatabaseSettingsWidget::getLogin Return the login of the user.
- QString [getPassword](#) ()
DatabaseSettingsWidget::getPassword Return the password of the user.
- QString [getDomainNameOrIP](#) ()
DatabaseSettingsWidget::getDomainNameOrIP Return the domain name or IP address on the machine where is the database.
- QString [getPort](#) ()
DatabaseSettingsWidget::getPort Return the port of the database.

8.43.1 Detailed Description

The [DatabaseSettingsWidget](#) class Windows of database settings.

Author

8.43.2 Constructor & Destructor Documentation

8.43.2.1 `Gui::Widgets::DatabaseSettingsWidget::DatabaseSettingsWidget (QWidget * parent = 0)` `[explicit]`

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

Parameters

<i>parent</i>	Parent widget of this windows
---------------	-------------------------------

8.43.3 Member Function Documentation

8.43.3.1 QString Gui::Widgets::DatabaseSettingsWidget::getDatabaseName ()

[DatabaseSettingsWidget::getDatabaseName](#) Return the database name.

Returns

Database name

8.43.3.2 QString Gui::Widgets::DatabaseSettingsWidget::getDomainNameOrIP ()

[DatabaseSettingsWidget::getDomainNameOrIP](#) Return the domain name or IP address on the machine where is the database.

Returns

Domain name or IP address

8.43.3.3 QString Gui::Widgets::DatabaseSettingsWidget::getLogin ()

[DatabaseSettingsWidget::getLogin](#) Return the login of the user.

Returns

Login of the user

8.43.3.4 QString Gui::Widgets::DatabaseSettingsWidget::getPassword ()

[DatabaseSettingsWidget::getPassword](#) Return the password of the user.

Returns

User password

8.43.3.5 QString Gui::Widgets::DatabaseSettingsWidget::getPort ()

[DatabaseSettingsWidget::getPort](#) Return the port of the database.

Returns

Database port

8.43.3.6 bool Gui::Widgets::DatabaseSettingsWidget::isValid () [slot]

[DatabaseSettingsWidget::isValid](#) Return TRUE if all fields are correctly inputed else FALSE.

Returns

boolean

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

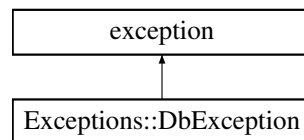
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/databasesettingswidget.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/databasesettingswidget.cpp

8.44 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.

8.44.1 Detailed Description

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

Author

Antoine de Roquemaurel

8.44.2 Constructor & Destructor Documentation

8.44.2.1 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

8.44.3 Member Function Documentation

8.44.3.1 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:

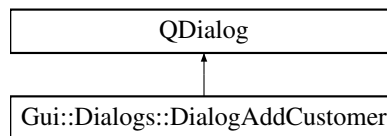
- /home/travis/build/FACT-Team/FactDev/src/exceptions/dbexception.h
- /home/travis/build/FACT-Team/FactDev/src/exceptions/dbexception.cpp

8.45 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](#) ()
[DialogAddCustomer::checkFields](#) Check if fields are valid.

Public Member Functions

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

8.45.1 Detailed Description

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

Author

8.45.2 Constructor & Destructor Documentation

8.45.2.1 `Gui::Dialogs::DialogAddCustomer::DialogAddCustomer (int id = 0, QWidget * parent = 0) [explicit]`

[DialogAddCustomer::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

8.46 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

8.46.1 Member Function Documentation

8.46.1.1 `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:

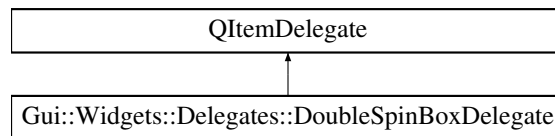
- /home/travis/build/FACT-Team/FactDev/src/Utils/directories.h
- /home/travis/build/FACT-Team/FactDev/src/Utils/directories.cpp

8.47 Gui::Widgets::Delegates::DoubleSpinBoxDelegate Class Reference

The [DoubleSpinBoxDelegate](#) class.

```
#include <doublespinboxdelegate.h>
```

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



Public Member Functions

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

8.47.1 Detailed Description

The [DoubleSpinBoxDelegate](#) class.

Author

Florent Berbie

8.47.2 Constructor & Destructor Documentation

8.47.2.1 Gui::Widgets::Delegates::DoubleSpinBoxDelegate::DoubleSpinBoxDelegate (QObject * *parent* = 0)

[DoubleSpinBoxDelegate::DoubleSpinBoxDelegate.](#)

Parameters

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

8.47.3 Member Function Documentation

8.47.3.1 QWidget * Gui::Widgets::Delegates::DoubleSpinBoxDelegate::createEditor (QWidget * *parent*, const QStyleOptionViewItem & *option*, const QModelIndex & *index*) const

[DoubleSpinBoxDelegate::createEditor.](#)

Parameters

<i>parent</i>	
<i>option</i>	
<i>index</i>	

Returns

8.47.3.2 void Gui::Widgets::Delegates::DoubleSpinBoxDelegate::setEditorData (QWidget * *editor*, const QModelIndex & *index*) const

[DoubleSpinBoxDelegate::setEditorData.](#)

Parameters

<i>editor</i>	
<i>index</i>	

8.47.3.3 void Gui::Widgets::Delegates::DoubleSpinBoxDelegate::setModelData (QWidget * *editor*, QAbstractItemModel * *model*, const QModelIndex & *index*) const

[DoubleSpinBoxDelegate::setModelData.](#)

Parameters

<i>editor</i>	
<i>model</i>	
<i>index</i>	

8.47.3.4 void Gui::Widgets::Delegates::DoubleSpinBoxDelegate::updateEditorGeometry (QWidget * *editor*, const QStyleOptionViewItem & *option*, const QModelIndex & *index*) const

[DoubleSpinBoxDelegate::updateEditorGeometry.](#)

Parameters

<i>editor</i>	
<i>option</i>	
<i>index</i>	

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

8.48 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.

8.48.1 Detailed Description

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

Author

Florent Berbie

8.48.2 Constructor & Destructor Documentation

8.48.2.1 `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

8.48.3 Member Function Documentation

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

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

Parameters

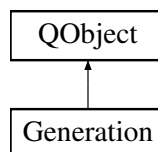
<i>parent</i>	
---------------	--

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`

8.49 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`

8.50 Utils::HierarchicalSystem Class Reference

The [HierarchicalSystem](#) class Create class which contains hierarchical system of FactDev.

```
#include <hierarchicalsistem.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.

8.50.1 Detailed Description

The [HierarchicalSystem](#) class Create class which contains hierarchical system of FactDev.

Author

Florent Berbie

See Also

Customer
Project
Billing

8.50.2 Member Function Documentation

8.50.2.1 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

8.50.2.2 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

8.50.2.3 QMap< Project *, Customer > Utils::HierarchicalSystem::getCustomers () const

[HierarchicalSystem::getCustomers](#) Return all customers and these projects linked.

Returns

Projects linked to Customers

8.50.2.4 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:

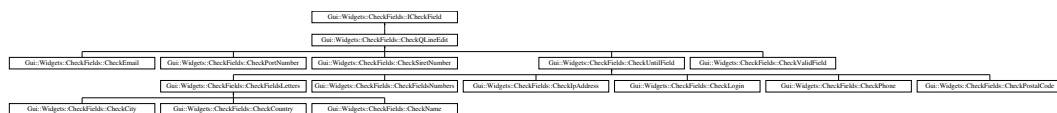
- /home/travis/build/FACT-Team/FactDev/src/utls/hierarchichalsystem.h
- /home/travis/build/FACT-Team/FactDev/src/utls/hierarchichalsystem.cpp

8.51 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
[ICheckField::check](#) Check if the field (line edit) is valid Return TRUE if the field is valid, else FALSE.

8.51.1 Detailed Description

The [ICheckField](#) class Interface to check fields validity.

8.51.2 Member Function Documentation

8.51.2.1 virtual bool Gui::Widgets::CheckFields::ICheckField::check (QString text) [pure virtual]

[ICheckField::check](#) Check if the field (line edit) is valid Return TRUE if the field is valid, else FALSE.

Returns

boolean Validity of the text

Implemented in [Gui::Widgets::CheckFields::CheckEmail](#), [Gui::Widgets::CheckFields::CheckPortNumber](#), [Gui::Widgets::CheckFields::CheckFieldsNumbers](#), [Gui::Widgets::CheckFields::CheckIpAddress](#), [Gui::Widgets::CheckFields::CheckLogin](#), [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:

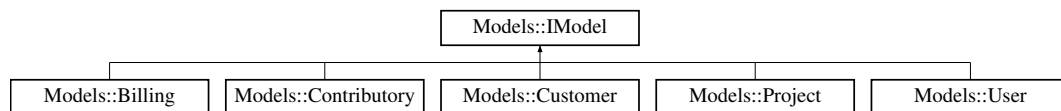
- `/home/travis/build/FACT-Team/FactDev/src/gui/widgets/checkfields/ichckfield.h`

8.52 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.

8.52.1 Detailed Description

The [IModel](#) class.

Author

Antoine de Roquemaurel

8.52.2 Member Function Documentation

8.52.2.1 `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](#).

8.52.2.2 `int Models::IModel::getId () const [inline]`

[IModel::getId](#) Return the identify of the element of the database.

Returns

identity

8.52.2.3 `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

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

Implemented in [Models::Billing](#), [Models::Project](#), [Models::User](#), [Models::Contributory](#), and [Models::Customer](#).

8.52.2.4 `bool Models::IModel::isToRemoved () const [inline]`

`toRemoved` return if object must be removed.

Returns

8.52.2.5 `void Models::IModel::setId (int id) [inline]`

[IModel::setId](#) Replace the current identify by *id*

Parameters

<i>id</i>	New identify
-----------	--------------

8.52.2.6 `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

8.53 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

8.53.1 Detailed Description

The [ItemType](#) class Item type model.

8.53.2 Constructor & Destructor Documentation

8.53.2.1 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

8.53.3 Member Function Documentation

8.53.3.1 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

8.53.3.2 QString Utils::ItemType::getName () const

[ItemType::getName](#) Get item name.

Returns

item name

8.53.3.3 int Utils::ItemType::getType () const

[ItemType::getType](#) Get the type of the current item.

Returns

type of the current item

8.53.3.4 void Utils::ItemType::setName (const QString & *name*)

[ItemType::setName](#) Modify the item name.

Parameters

<i>name</i>	New Item name
-------------	---------------

8.53.3.5 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

8.54 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

8.55 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

8.55.1 Detailed Description

The [Log](#) class for Simple management of log.

8.55.2 Member Function Documentation

8.55.2.1 [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.

8.55.2.2 void Utils::Log::write (const QString text)

[Log::write](#). Write log message in file.

Parameters

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

8.55.3 Friends And Related Function Documentation

8.55.3.1 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

8.56 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 [openPdf](#) ()
 - [*MainWindow::openPdf*](#) Open the PDF file of the current Quote or Billing selected in the TableView.

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.

8.56.1 Detailed Description

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

Author

Everybody

8.56.2 Constructor & Destructor Documentation

8.56.2.1 [Gui::MainWindow::MainWindow](#) ([QWidget](#) * *parent* = 0) [[explicit](#)]

[MainWindow](#): Construct a window.

Parameters

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

8.56.3 Member Function Documentation

8.56.3.1 void [Gui::MainWindow::addBill](#) () [[slot](#)]

[MainWindow::addBill](#) open window to add a new bill.

See Also

[AddQuoteDialog](#)

8.56.3.2 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](#)

8.56.3.3 void [Gui::MainWindow::addProject](#) () [[slot](#)]

[MainWindow::addProject](#) Create a new project for a customer.

See Also

[AddProjectDialog](#)

8.56.3.4 void Gui::MainWindow::addQuote () [slot]

[MainWindow::addQuote](#) open window to add a new quote.

See Also

AddQuoteDialog

8.56.3.5 void Gui::MainWindow::editUser () [slot]

[MainWindow::editUser](#) modify the user.

See Also

UserDataDialog

8.56.3.6 int Gui::MainWindow::getCurrentCustomerId ()

[MainWindow::getCurrentCustomerId](#) get the selected customer.

Returns

id of the selected customer

8.56.3.7 QString Gui::MainWindow::getCurrentCustomerName ()

[MainWindow::getCurrentCustomerName](#) get the selected customer name in the customers' table.

Returns

name of the selected customer

8.56.3.8 int Gui::MainWindow::getCurrentProjectId ()

[MainWindow::getCurrentProjectId](#) get the selected project id.

Returns

id of the selected project

8.56.3.9 QString Gui::MainWindow::getCurrentProjectName ()

[MainWindow::getCurrentProjectName](#) get the selected project name in the table of projects.

Returns

name of the selected project

8.56.3.10 int Gui::MainWindow::getCurrentQuoteId ()

[MainWindow::getCurrentQuoteId](#) get the selected quote id.

Returns

id of the selected quote

8.56.3.11 QModelIndex Gui::MainWindow::rootTree ()

[MainWindow::rootTree](#) return the root of the tree "Tous les clients".

Returns

QModelIndex

8.56.3.12 void Gui::MainWindow::search (QString s) [slot]

[MainWindow::search](#) launch a new search.

Parameters

s	text in field
---	---------------

8.56.3.13 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:

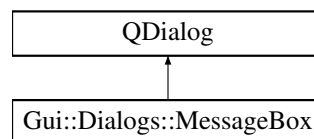
- /home/travis/build/FACT-Team/FactDev/src/gui/mainwindow/mainwindow.h
- /home/travis/build/FACT-Team/FactDev/src/gui/mainwindow/mainwindow.cpp

8.57 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.

8.57.1 Detailed Description

The [`MessageBox`](#) class Information window with message.

Author

Florent Berbie

8.57.2 Constructor & Destructor Documentation

8.57.2.1 [`Gui::Dialogs::MessageBox::MessageBox`](#) (QWidget * *parent* = 0) [explicit]

[`MessageBox::MessageBox`](#) Construt a [`MessageBox`](#)

Parameters

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

8.57.3 Member Function Documentation

8.57.3.1 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)

8.57.3.2 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

8.58 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.

8.58.1 Detailed Description

The [Parameters](#) class Class for simple user parameters.

Author

Antoine de Roquemaurel

8.58.2 Member Data Documentation

8.58.2.1 `const QString Parameters::DB_FILENAME = "database.db" [static]`

DB_FILENAME The database sqlite file name.

Database file name

8.58.2.2 `const double Parameters::VERSION = 1.0 [static]`

VERSION Version number of software.

Application version

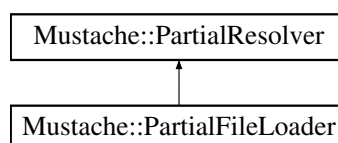
The documentation for this class was generated from the following files:

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

8.59 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)

8.59.1 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.

8.59.2 Member Function Documentation

8.59.2.1 QString PartialFileLoader::getPartial (const QString & name) [virtual]

Returns the partial template with a given `name`.

Implements [Mustache::PartialResolver](#).

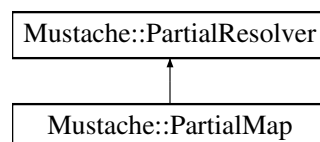
The documentation for this class was generated from the following files:

- /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

8.60 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)

8.60.1 Detailed Description

A simple partial fetcher which returns templates from a map of (partial name -> template)

8.60.2 Member Function Documentation

8.60.2.1 QString PartialMap::getPartial (const QString & name) [virtual]

Returns the partial template with a given `name`.

Implements [Mustache::PartialResolver](#).

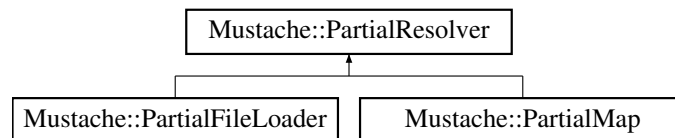
The documentation for this class was generated from the following files:

- /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

8.61 Mustache::PartialResolver Class Reference

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

Inheritance diagram for Mustache::PartialResolver:



Public Member Functions

- virtual QString [getPartial](#) (const QString &name)=0

8.61.1 Detailed Description

Interface for fetching template partials.

8.61.2 Member Function Documentation

8.61.2.1 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

8.62 Generator::PdfGenerator Class Reference

The [PdfGenerator](#) class Generator of PDF files.

```
#include <pdfgenerator.h>
```

Public Member Functions

- [PdfGenerator](#) (QString pdflatexPath="pdflatex")
[PdfGenerator::PdfGenerator](#) Construct a [PdfGenerator](#).
- void [generate](#) (QString inputDir, QString filename)
[PdfGenerator::generate](#) Generate a PDF of the file named filename into the directory inputDir

8.62.1 Detailed Description

The [PdfGenerator](#) class Generator of PDF files.

8.62.2 Constructor & Destructor Documentation

8.62.2.1 Generator::PdfGenerator::PdfGenerator (QString *pdflatexPath* = "pdflatex")

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

Parameters

<i>pdflatexPath</i>	Path to the command to generate PDF file
---------------------	--

8.62.3 Member Function Documentation

8.62.3.1 void Generator::PdfGenerator::generate (QString *inputDir*, QString *filename*)

[PdfGenerator::generate](#) Generate a PDF of the file named *filename* into the directory *inputDir*

Parameters

<i>inputDir</i>	Directory where is store the PDF generated
<i>filename</i>	File name

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

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

8.63 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

8.64 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.

8.64.1 Detailed Description

Class for display popup quickly.

Author

Antoine de Roquemaurel

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

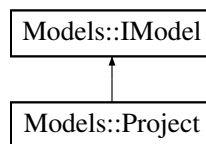
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/popup.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/popup.cpp

8.65 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 **getCost** () const
Project::getCost Return the **Project** cost
- void **setCost** (double cost)
Project::setCost Modify the **Project** cost
- 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 different to the other **Project** p
Return TRUE if both projects are different, else FALSE.
- double **costCompute** ()
Project::costCompute compute the **Project** cost

Additional Inherited Members

8.65.1 Detailed Description

The **Project** class : **Project** linked to a **Customer**.

Author

Florent Berbie

See Also

IModel

8.65.2 Constructor & Destructor Documentation

8.65.2.1 Models::Project::Project (int id)

Project::Project Construct a **Project** which is specified by an *id*

Parameters

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

8.65.3 Member Function Documentation

8.65.3.1 double Models::Project::costCompute ()

[Project::costCompute](#) compute the [Project](#) *cost*

Returns

the project cost

8.65.3.2 QDate Models::Project::getBeginDate () const

[Project::getBeginDate](#) return the date of creation of the [Project](#)

Returns

the begin date of the [Project](#)

8.65.3.3 double Models::Project::getCost () const

[Project::getCost](#) Return the [Project](#) *cost*

Returns

the project cost

8.65.3.4 QSharedPointer< Customer > Models::Project::getCustomer () const

[Project::getCustomer](#) Return the reference to the customer linked to this project.

Returns

customer linked to this project

8.65.3.5 double Models::Project::getDailyRate () const

[Project::getDailyRate](#) Return the daily rate estimated for this project.

Returns

the daily rate linket to the current project

8.65.3.6 QVariantHash Models::Project::getDataMap () [virtual]

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

Returns

Model's data

Implements [Models::IModel](#).

8.65.3.7 QString Models::Project::getDescription () const

[Project::getDescription](#) Return a project description.

Returns

project description

8.65.3.8 QDate Models::Project::getEndDate () const

[Project::getEndDate](#) Return the *endDate* of the **Project**

Returns

the end date of the project

8.65.3.9 QString Models::Project::getName () const

[Project::getName](#) Return the project name.

Returns

project name

8.65.3.10 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](#).

8.65.3.11 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

8.65.3.12 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

8.65.3.13 `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

8.65.3.14 `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
------------------	---

8.65.3.15 `void Models::Project::setCost (double cost)`

[Project::setCost](#) Modify the [Project](#) *cost*

Parameters

<i>cost</i>	the projectCost
-------------	-----------------

8.65.3.16 `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
-----------------	---

8.65.3.17 `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
------------------	--

8.65.3.18 `void Models::Project::setDescription (const QString & description)`

[Project::setDescription](#) Modify the project *description*

Parameters

<i>description</i>	New project description
--------------------	-------------------------

8.65.3.19 void Models::Project::setEndDate (QDate *endDate*)

[Project::setEndDate](#) Modify *endDate* of [Project](#)

Parameters

<i>endDate</i>	the new end date of the project
----------------	---------------------------------

8.65.3.20 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:

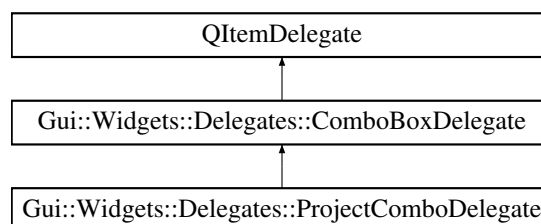
- /home/travis/build/FACT-Team/FactDev/src/models/project.h
- /home/travis/build/FACT-Team/FactDev/src/models/project.cpp

8.66 Gui::Widgets::Delegates::ProjectComboDelegate Class Reference

The [ProjectComboDelegate](#) class.

```
#include <projectcombodelegate.h>
```

Inheritance diagram for Gui::Widgets::Delegates::ProjectComboDelegate:



Public Member Functions

- [ProjectComboDelegate](#) (QSharedPointer< [Models::Customer](#) > c, QObject *parent=0)
[ProjectComboDelegate::ProjectComboDelegate.](#)
- QWidget * [createEditor](#) (QWidget *parent, const QStyleOptionViewItem &option, const QModelIndex &index) const
[ProjectComboDelegate::createEditor.](#)
- void [paint](#) (QPainter *painter, const QStyleOptionViewItem &option, const QModelIndex &index) const
[ProjectComboDelegate::paint.](#)
- void [removeInCombo](#) (QList< int > &)
[ProjectComboDelegate::removeInCombo.](#)
- QMap< int, [Models::Project](#) > [getProjects](#) () const
[ProjectComboDelegate::getProjects.](#)

- bool [getLocked](#) () const
[ProjectComboDelegate::getLocked](#).
- void [setLocked](#) (bool getLocked)
[ProjectComboDelegate::setLocked](#).

8.66.1 Detailed Description

The [ProjectComboDelegate](#) class.

8.66.2 Constructor & Destructor Documentation

- 8.66.2.1 [Gui::Widgets::Delegates::ProjectComboDelegate::ProjectComboDelegate](#) ([QSharedPointer](#)< [Models::Customer](#) > *c*, [QObject](#) * *parent* = 0)

[ProjectComboDelegate::ProjectComboDelegate](#).

Parameters

<i>c</i>	
<i>parent</i>	

8.66.3 Member Function Documentation

- 8.66.3.1 [QWidget](#) * [Gui::Widgets::Delegates::ProjectComboDelegate::createEditor](#) ([QWidget](#) * *parent*, const [QStyleOptionViewItem](#) & *option*, const [QModelIndex](#) & *index*) const [virtual]

[ProjectComboDelegate::createEditor](#).

Parameters

<i>parent</i>	
<i>option</i>	
<i>index</i>	

Returns

Implements [Gui::Widgets::Delegates::ComboBoxDelegate](#).

- 8.66.3.2 bool [Gui::Widgets::Delegates::ProjectComboDelegate::getLocked](#) () const

[ProjectComboDelegate::getLocked](#).

Returns

- 8.66.3.3 [QMap](#)< int, [Models::Project](#) > [Gui::Widgets::Delegates::ProjectComboDelegate::getProjects](#) () const

[ProjectComboDelegate::getProjects](#).

Returns

8.66.3.4 void Gui::Widgets::Delegates::ProjectComboDelegate::paint (QPainter * *painter*, const QStyleOptionViewItem & *option*, const QModelIndex & *index*) const [virtual]

[ProjectComboDelegate::paint.](#)

Parameters

<i>painter</i>	
<i>option</i>	
<i>index</i>	

Implements [Gui::Widgets::Delegates::ComboBoxDelegate](#).

8.66.3.5 void [Gui::Widgets::Delegates::ProjectComboDelegate::setLocked](#) (bool *getLocked*)

[ProjectComboDelegate::setLocked](#).

Parameters

<i>getLocked</i>	
------------------	--

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

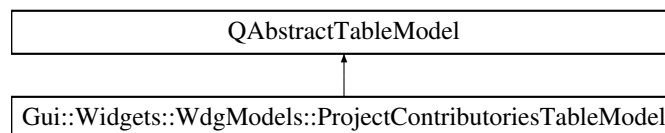
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/delegates/projectcombodelegate.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/delegates/projectcombodelegate.cpp

8.67 Gui::Widgets::WdgModels::ProjectContributoriesTableModel Class Reference

The [ProjectContributoriesTableModel](#) class Table model of contributories linked to projects.

```
#include <projectcontributoriesstablemodel.h>
```

Inheritance diagram for [Gui::Widgets::WdgModels::ProjectContributoriesTableModel](#):



Public Member Functions

- [ProjectContributoriesTableModel](#) (QObject *parent=0)
ProjectContributoriesTableModel::ProjectContributoriesTableModel Construct a [ProjectContributoriesTableModel](#).
- int [rowCount](#) (const QModelIndex &) const
ProjectContributoriesTableModel::rowCount Number of contributories row.
- int [columnCount](#) (const QModelIndex &) const
ProjectContributoriesTableModel::columnCount Number of column of a contributory.
- QVariant [data](#) (const QModelIndex &index, int role) const
ProjectContributoriesTableModel::data Obtains data of a specify cell.
- QVariant [headerData](#) (int section, Qt::Orientation orientation, int role) const
ProjectContributoriesTableModel::headerData Obtains header title of table.
- bool [setData](#) (const QModelIndex &index, const QVariant &value, int role=Qt::EditRole)
ProjectContributoriesTableModel::setData Change data of a cell.
- Qt::ItemFlags [flags](#) (const QModelIndex &index) const
ProjectContributoriesTableModel::flags Differents table flags.
- void [append](#) (QPair< [Models::Project](#) *, [Models::Rate](#) > p)
ProjectContributoriesTableModel::append Add a new rate p to a Project.
- void [append](#) ()

- [ProjectContributoriesTableModel::append](#) Add the current element to the list.
- bool [allProjectsChose](#) ()

[ProjectContributoriesTableModel::allProjectsChose](#) Return TRUE if all projects have been selected else FALSE.
- QList< int > & [getSelectedProjects](#) ()

[ProjectContributoriesTableModel::getSelectedProjects](#) Return the list of the Project id which are selected.
- void [remove](#) (int index)

[ProjectContributoriesTableModel::remove](#) Remove the element to the index
- QPair< [Models::Project](#) *, [Models::Rate](#) > [getProject](#) (const int row)

[ProjectContributoriesTableModel::getProject](#) Return the project and it rate linked which correspond to the row
- QList< QPair< [Models::Project](#) *, [Models::Rate](#) > > [getProjects](#) (void)

[ProjectContributoriesTableModel::getProjects](#) Return a list of the set of projects and their rates linked.

8.67.1 Detailed Description

The [ProjectContributoriesTableModel](#) class Table model of contributories linked to projets.

Author

Antoine de Roquemaurel

8.67.2 Constructor & Destructor Documentation

- 8.67.2.1 [Gui::Widgets::WdgModels::ProjectContributoriesTableModel::ProjectContributoriesTableModel](#) ([QObject](#) * *parent* = 0)

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

Parameters

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

8.67.3 Member Function Documentation

- 8.67.3.1 bool [Gui::Widgets::WdgModels::ProjectContributoriesTableModel::allProjectsChose](#) ()

[ProjectContributoriesTableModel::allProjectsChose](#) Return TRUE if all projects have been selected else FALSE.

Returns

boolean All projects selected

- 8.67.3.2 void [Gui::Widgets::WdgModels::ProjectContributoriesTableModel::append](#) ([QPair](#)< [Models::Project](#) *, [Models::Rate](#) > *p*)

[ProjectContributoriesTableModel::append](#) Add a new rate *p* to a Project.

Parameters

<i>p</i>

8.67.3.3 `int Gui::Widgets::WdgModels::ProjectContributoriesTableModel::columnCount (const QModelIndex &) const`

[ProjectContributoriesTableModel::columnCount](#) Number of column of a contributory.

Returns

The number of column

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

[ProjectContributoriesTableModel::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

8.67.3.5 `Qt::ItemFlags Gui::Widgets::WdgModels::ProjectContributoriesTableModel::flags (const QModelIndex & index) const`

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

Parameters

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

Returns

Flags

8.67.3.6 `QPair< Models::Project *, Models::Rate > Gui::Widgets::WdgModels::ProjectContributoriesTableModel::getProject (const int row)`

[ProjectContributoriesTableModel::getProject](#) Return the project and it rate linked which correspond to the *row*

Parameters

<i>row</i>	Row of the project to get
------------	---------------------------

Returns

a Project and it rate

8.67.3.7 `QList< QPair< Models::Project *, Models::Rate > > Gui::Widgets::WdgModels::ProjectContributoriesTableModel::getProjects (void)`

[ProjectContributoriesTableModel::getProjects](#) Return a list of the set of projects and their rates linked.

Returns

List of Projects and Rates linked

8.67.3.8 `QList< int > & Gui::Widgets::WdgModels::ProjectContributoriesTableModel::getSelectedProjects ()`

[ProjectContributoriesTableModel::getSelectedProjects](#) Return the list of the Project id which are selected.

Returns

List of ID Project

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

[ProjectContributoriesTableModel::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

8.67.3.10 `void Gui::Widgets::WdgModels::ProjectContributoriesTableModel::remove (int index)`

[ProjectContributoriesTableModel::remove](#) Remove the element to the *index*

Parameters

<i>index</i>	Index of the element to remove
--------------	--------------------------------

8.67.3.11 `int Gui::Widgets::WdgModels::ProjectContributoriesTableModel::rowCount (const QModelIndex &) const`

[ProjectContributoriesTableModel::rowCount](#) Number of contributories row.

Returns

The number of contributories

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

[ProjectContributoriesTableModel::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:

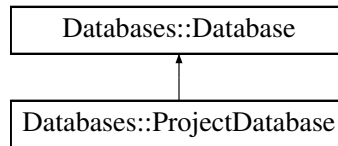
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/widgetmodels/projectcontributoriestablemodel.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/widgetmodels/projectcontributoriestablemodel.cpp

8.68 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](#) (QString &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](#) (QString &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

8.68.1 Detailed Description

The [ProjectDatabase](#) class Project table database.

Author

Florent Berbie

See Also

[Database](#)
[Project](#)

8.68.2 Member Function Documentation**8.68.2.1** `int Databases::ProjectDatabase::addProject (const Models::Project & pProject)`

[ProjectDatabase](#)::addProject Add the project 'pProject' to the database.

Returns

project id

8.68.2.2 `QList< Project * > Databases::ProjectDatabase::getAllProjects ()`

[ProjectDatabase](#)::getAllProjects Return the list of projects.

Returns

Projects list

8.68.2.3 `int Databases::ProjectDatabase::getNbProjects ()`

[ProjectDatabase](#)::getNbProjects Return the number of projects existing.

Returns

number of projects

8.68.2.4 `int Databases::ProjectDatabase::getNbProjectsForACustomer (const int pId)`

[ProjectDatabase](#)::getNbProjectsForACustomer Return the number of projects existing for an identify customer *pId*

Parameters

<i>pId</i>	Project id
------------	------------

Returns

number of projects

8.68.2.5 `Models::Project * Databases::ProjectDatabase::getProject (const int pId)`

[ProjectDatabase](#)::getProject Get informations about the project identified by 'pId'.

Parameters

<i>pId</i>	project
------------	---------

Returns

the project

8.68.2.6 Models::Project * Databases::ProjectDatabase::getProject (QSqlQuery & *q*)

[ProjectDatabase::getProject](#).

Parameters

<i>q</i>	
----------	--

Returns

8.68.2.7 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

8.68.2.8 WdgModels::ProjectsTableModel * Databases::ProjectDatabase::getProjectsTable (const int *pId*) 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

8.68.2.9 ProjectDatabase * Databases::ProjectDatabase::instance () throw DbException *) [static]

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

Returns

Instance of [ProjectDatabase](#)

8.68.2.10 void Databases::ProjectDatabase::removeProject (const int *pId*)

removeProject Remove the project with the id '*pId*'

Parameters

<i>pld</i>	project id
------------	------------

8.68.2.11 QSharedPointer< Models::Project > Databases::ProjectDatabase::updateProject (QSqlQuery & *q*)

getProject Obtain a project without new query

Parameters

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

Returns

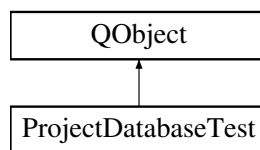
The project linked to *q*

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

8.69 ProjectDatabaseTest Class Reference

Inheritance diagram for ProjectDatabaseTest:

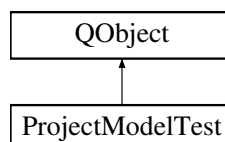


The documentation for this class was generated from the following files:

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

8.70 ProjectModelTest Class Reference

Inheritance diagram for ProjectModelTest:



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

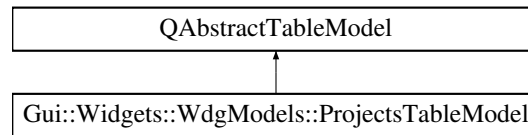
- /home/travis/build/FACT-Team/FactDev/tests/models/projectmodeltest.h
- /home/travis/build/FACT-Team/FactDev/tests/models/projectmodeltest.cpp

8.71 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.

8.71.1 Detailed Description

The [ProjectsTableModel](#) class for a Project table.

Author

Florent Berbie

See Also

[Project](#)

8.71.2 Constructor & Destructor Documentation

8.71.2.1 Gui::Widgets::WdgModels::ProjectsTableModel::ProjectsTableModel ()

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

Parameters

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

8.71.3 Member Function Documentation

8.71.3.1 void Gui::Widgets::WdgModels::ProjectsTableModel::append (const Project & *project*)

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

Parameters

<i>Project</i>	The new Project
----------------	-----------------

8.71.3.2 int Gui::Widgets::WdgModels::ProjectsTableModel::columnCount (const QModelIndex &) const

[ProjectsTableModel::columnCount](#) Number of column of a Project.

Returns

The number of column

8.71.3.3 int Gui::Widgets::WdgModels::ProjectsTableModel::count ()

[ProjectsTableModel::count](#) Number of projects in table.

Returns

The number of projects

8.71.3.4 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

8.71.3.5 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

8.71.3.6 `QList< Project > Gui::Widgets::WdgModels::ProjectsTableModel::getProjects (void) const`

[ProjectsTableModel::getProjects](#) Return the list of projects.

Returns

list of projects

8.71.3.7 `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

8.71.3.8 `void Gui::Widgets::WdgModels::ProjectsTableModel::remove (const int i)`

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

Parameters

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

8.71.3.9 `int Gui::Widgets::WdgModels::ProjectsTableModel::rowCount (const QModelIndex &) const`

[ProjectsTableModel::rowCount](#) Number of projects row.

Returns

The number of projects

8.71.3.10 `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:

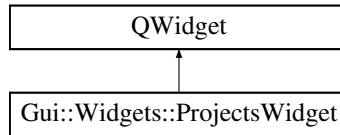
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/widgetmodels/projectstablemodel.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/widgetmodels/projectstablemodel.cpp

8.72 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](#).

8.72.1 Detailed Description

The [ProjectsWidget](#) class Actions on Project.

Author

Florent Berbie

8.72.2 Constructor & Destructor Documentation

8.72.2.1 [Gui::Widgets::ProjectsWidget::ProjectsWidget \(QWidget * *parent* = 0 \)](#) [explicit]

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

Parameters

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

8.72.3 Member Function Documentation

8.72.3.1 void Gui::Widgets::ProjectsWidget::updateBtn (bool *b*) [slot]

[ProjectsWidget::updateBtn](#) Update the toolbar in tblProjects.

Parameters

<i>boolean</i>	if a row is selected
----------------	----------------------

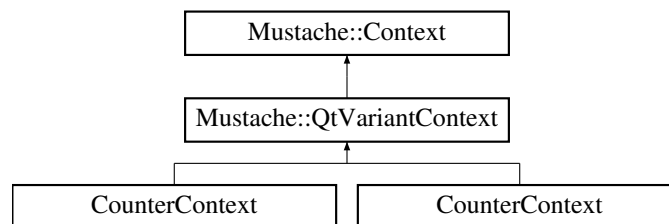
The documentation for this class was generated from the following files:

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

8.73 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)

8.73.1 Detailed Description

A context implementation which wraps a QVariantHash or QVariantMap.

8.73.2 Member Typedef Documentation

8.73.2.1 `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](#).

8.73.3 Member Function Documentation

8.73.3.1 `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](#).

8.73.3.2 `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](#).

8.73.3.3 `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](#).

8.73.3.4 `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](#).

8.73.3.5 `void QtVariantContext::pop () [virtual]`

Exit the current context.

Implements [Mustache::Context](#).

8.73.3.6 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](#).

8.73.3.7 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

8.74 Models::Rate Class Reference

The [Rate](#) class [Rate](#) of a prestation.

```
#include <rate.h>
```

Public Member Functions

- [Rate](#) ()
Rate::Rate Construct a Rate.
- [Rate](#) (double hourly)
Rate::Rate Construct a Rate with an hourly rate.
- [Rate](#) (int idBilling, int idProject)
Rate::Rate Construct a Rate for the Billing with idBilling as identify and from the project identified by idProject
- void [setDailyRate](#) (const double &)
Rate::setDailyRate Modify the daily rate with the new value.
- void [setHourlyRate](#) (const double &)
Rate::setHourlyRate Modify the hourly rate with the new value.
- double [getDailyRate](#) () const
Rate::getDailyRate Return the daily rate.
- double [getHourlyRate](#) () const
Rate::getHourlyRate Return the hourly rate.
- int [getNbDailyHours](#) () const
Rate::getNbDailyHours Return the number of daily hours.
- double [getLegalRate](#) () const
Rate::getLegalRate Return the legal rate.

8.74.1 Detailed Description

The [Rate](#) class [Rate](#) of a prestation.

Author

Antoine de Roquemaurel

8.74.2 Constructor & Destructor Documentation

8.74.2.1 Models::Rate::Rate (double *hourly*)

[Rate::Rate](#) Construct a [Rate](#) with an hourly rate.

Parameters

<i>hourly</i>	Hourly rate
---------------	-------------

8.74.2.2 Models::Rate::Rate (int *idBilling*, int *idProject*)

[Rate::Rate](#) Construct a [Rate](#) for the [Billing](#) with *idBilling* as identify and from the project identified by *idProject*

Parameters

<i>idBilling</i>	Billing identify
<i>idProject</i>	Project identify

8.74.3 Member Function Documentation

8.74.3.1 double Models::Rate::getDailyRate () const

[Rate::getDailyRate](#) Return the daily rate.

Returns

8.74.3.2 double Models::Rate::getHourlyRate () const

[Rate::getHourlyRate](#) Return the hourly rate.

Returns

8.74.3.3 double Models::Rate::getLegalRate () const

[Rate::getLegalRate](#) Return the legal rate.

Returns

8.74.3.4 int Models::Rate::getNbDailyHours () const

[Rate::getNbDailyHours](#) Return the number of daily hours.

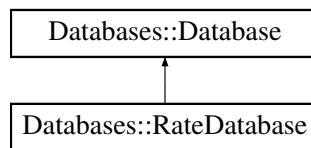
Returns

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

8.75 Databases::RateDatabase Class Reference

Inheritance diagram for Databases::RateDatabase:



Public Member Functions

- void [addRateProject](#) (int idProject, int idBilling, double hourlyRate)
[RateDatabase::addRateProject](#) Add a new rate *hourlyRate* to the Project identified by *idProject* of the Billing with *idBilling* as identify.
- double [getRate](#) (const int idBilling, const int idProject) const
[RateDatabase::getRate](#) Return the rate of the Project identified by *idProject* of the Billing with *idBilling* as identify.
- void [updateRateProject](#) (int idProject, int idBilling, double hourlyRate)
[RateDatabase::updateRateProject](#) Update the current rate by the new *hourlyRate* of the Project identified by *idProject* of the Billing with *idBilling* as identify.

Static Public Member Functions

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

Additional Inherited Members

8.75.1 Member Function Documentation

8.75.1.1 void Databases::RateDatabase::addRateProject (int *idProject*, int *idBilling*, double *hourlyRate*)

[RateDatabase::addRateProject](#) Add a new rate *hourlyRate* to the Project identified by *idProject* of the Billing with *idBilling* as identify.

Parameters

<i>idProject</i>	Project identify
<i>idBilling</i>	Billing identify
<i>hourlyRate</i>	New hourly rate

8.75.1.2 double Databases::RateDatabase::getRate (const int *idBilling*, const int *idProject*) const

[RateDatabase::getRate](#) Return the rate of the Project identified by *idProject* of the Billing with *idBilling* as identify.

Parameters

<i>idBilling</i>	Billing identify
<i>idProject</i>	Project identify

Returns

Rate of the Project of a Billing

8.75.1.3 `RateDatabase * Databases::RateDatabase::instance () throw DbException *` `[static]`

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

Returns

Instance of [RateDatabase](#)

8.75.1.4 `void Databases::RateDatabase::updateRateProject (int idProject, int idBilling, double hourlyRate)`

[RateDatabase::updateRateProject](#) Update the current rate by the new *hourlyRate* of the Project identified by *id-Project* of the Billing with *idBilling* as identify.

Parameters

<i>idProject</i>	Project identify
<i>idBilling</i>	Billing identify
<i>hourlyRate</i>	New hourly rate

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`

8.76 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`

8.77 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

8.77.1 Detailed Description

Class for display Rate.

Author

Florent Berbie

8.77.2 Constructor & Destructor Documentation

8.77.2.1 [Gui::Widgets::RateWidget::RateWidget](#) ([QWidget * parent = 0](#)) [[explicit](#)]

[RateWidget::RateWidget](#) Construct a rate widget.

Parameters

<i>parent</i>	The QWidget parent
---------------	--------------------

8.77.3 Member Function Documentation

8.77.3.1 [double Gui::Widgets::RateWidget::getDailyRate](#) ()

[RateWidget::getDailyRate](#) Get the daily rate.

Returns

The daily rate

8.77.3.2 `double Gui::Widgets::RateWidget::getHourlyRate ()`

[RateWidget::getHourlyRate](#) Get the hourly rate.

Returns

The hourly rate

8.77.3.3 `void Gui::Widgets::RateWidget::setDailyRate () [slot]`

`setDailyRate` Set a new value for the daily rate

Parameters

<i>dailyRate</i>	The new daily rate
------------------	--------------------

8.77.3.4 `void Gui::Widgets::RateWidget::setHourlyRate () [slot]`

`setHourlyRate` Set a new value for the hourly rate

Parameters

<i>hourlyRate</i>	The new hourly rate
-------------------	---------------------

8.77.3.5 `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
--------------	-----------

8.77.3.6 `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

8.78 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)

8.78.1 Detailed Description

Renders Mustache templates, replacing mustache tags with values from a provided context.

8.78.2 Member Function Documentation

8.78.2.1 QString [Renderer::error](#) () const

Returns a message describing the last error encountered by the previous [render\(\)](#) call.

8.78.2.2 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.

8.78.2.3 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.

8.78.2.4 QString [Renderer::render](#) (const QString &_template, Context * context)

Render a Mustache template, using `context` to fetch the values used to replace Mustache tags.

8.78.2.5 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

8.79 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.

8.79.1 Detailed Description

The [Search](#) class.

Author

Antoine de Roquemaurel
Florent Berbie

8.79.2 Member Function Documentation

8.79.2.1 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

8.79.2.2 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

8.79.2.3 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

8.79.2.4 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

8.79.2.5 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 inputed in the searchbar
<i>list</i>	List of numbers from the <i>filter</i>
<i>element</i>	Attribute name into the database

8.79.2.6 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 inputed in searchbar
<i>list</i>	List of projects

8.79.2.7 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 inputed in searchbar
<i>list</i>	List of referent last name

8.79.2.8 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 inputed in the searchbar
<i>list</i>	List of words from the <i>filter</i>
<i>element</i>	Attribute name into the database

8.79.2.9 QString Models::Search::getFilter ()

[Search::getFilter](#) Return the search filter.

Returns

filter selected (sql portion)

8.79.2.10 bool Models::Search::getGroupFilter () const

[Search::getGroupFilter](#) Return if the filter is activated.

Returns

boolean if search filter is activated

8.79.2.11 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

8.79.2.12 `bool Models::Search::getSearchInCompanies () const`

[Search::getSearchInCompanies](#) Return if we search a company.

Returns

boolean if we search a company

8.79.2.13 `bool Models::Search::getSearchInProjects () const`

[Search::getSearchInProjects](#) Return TRUE if it exists one or more projets in database.

Returns

boolean if project are existing

8.79.2.14 `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

8.79.2.15 `QString Models::Search::getText () const`

[Search::getText](#) Return sql portion of filter.

Returns

QString the sql portion

8.79.2.16 `bool Models::Search::searchInContributories () const`

[Search::getSearchInContributories](#) Return TRUE if it exists one or more projets in database.

Returns

boolean if contributories are existing

8.79.2.17 `void Models::Search::setGroupFilter (bool getGroupFilter)`

[Search::setGroupFilter](#) Modify if we active search filter.

Parameters

<i>getGroupFilter</i>	Get if filter is actived
-----------------------	--------------------------

8.79.2.18 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
-----------------------------	---

8.79.2.19 void Models::Search::setSearchInCompanies (bool *searchInCompanies*)

[Search::setSearchInCompanies](#) Modify the filter of companies search.

Parameters

<i>getSearchIn-Companies</i>	Search in companies is concerned
------------------------------	--

8.79.2.20 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
--------------------------------	--

8.79.2.21 void Models::Search::setSearchInProjects (bool *searchInProjects*)

[Search::setSearchInProjects](#) Modify the filter of projects search.

Parameters

<i>searchInProjects</i>	Search in projects which are concerned
-------------------------	--

8.79.2.22 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
-----------------------------------	---

8.79.2.23 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

8.80 Gui::Docks::SearchDock Class Reference

The [SearchDock](#) class Dock which contains search bar.

```
#include <searchdock.h>
```

Inheritance diagram for Gui::Docks::SearchDock:



Public Slots

- void [search](#) (QString text)
[SearchDock::search](#) Search elements in database which correspond to the text

Signals

- void [textChanged](#) (QString text)
[SearchDock::textChanged](#) Current text changed by text

Public Member Functions

- [SearchDock](#) (QWidget *parent=0, Qt::WindowFlags flags=0)
[SearchDock::SearchDock](#) Construct a [SearchDock](#).

8.80.1 Detailed Description

The [SearchDock](#) class Dock which contains search bar.

8.80.2 Constructor & Destructor Documentation

8.80.2.1 [Gui::Docks::SearchDock::SearchDock](#) ([QWidget](#) * *parent* = 0, [Qt::WindowFlags](#) *flags* = 0) [explicit]

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

Parameters

<i>parent</i>	Widget Parent
<i>flags</i>	Window flag

8.80.3 Member Function Documentation

8.80.3.1 void Gui::Docks::SearchDock::search (QString *text*) [slot]

[SearchDock::search](#) Search elements in database which correspond to the *text*

Parameters

<i>text</i>	Element to search
-------------	-------------------

8.80.3.2 void Gui::Docks::SearchDock::textChanged (QString *text*) [signal]

[SearchDock::textChanged](#) Current text changed by *text*

Parameters

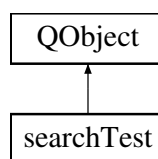
<i>text</i>	New text
-------------	----------

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

8.81 searchTest Class Reference

Inheritance diagram for searchTest:



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

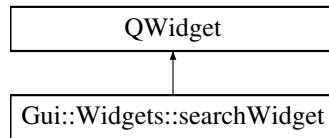
- /home/travis/build/FACT-Team/FactDev/tests/models/searchtest.h
- /home/travis/build/FACT-Team/FactDev/tests/models/searchtest.cpp

8.82 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)

8.82.1 Detailed Description

Class for search in database.

Author

Antoine de Roquemaurel

8.82.2 Constructor & Destructor Documentation

8.82.2.1 Gui::Widgets::searchWidget::searchWidget (QWidget * parent = 0) [explicit]

[searchWidget::searchWidget](#) Construct a search widget

Parameters

<i>parent</i>	The QWidget parent
---------------	--------------------

8.82.3 Member Function Documentation

8.82.3.1 int Gui::Widgets::searchWidget::getCurrentCustomerId ()

[searchWidget::getCurrentCustomerId](#) Return the id of the customer selected in the table

Returns

id of the current customer

8.82.3.2 bool Gui::Widgets::searchWidget::isCustomerSelected () const

[isCustomerSelected](#) Return TRUE if a customer is selected, else FALSE

Returns

boolean

8.82.3.3 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:

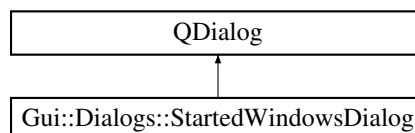
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/searchwidget.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/searchwidget.cpp

8.83 Gui::Dialogs::StartedWindowsDialog Class Reference

The [StartedWindowsDialog](#) class Construct a Windows for the first begin.

```
#include <startedwindowsdialog.h>
```

Inheritance diagram for Gui::Dialogs::StartedWindowsDialog:



Public Slots

- void [checkFields](#) ()
StartedWindowsDialog::checkFields Check all fields of dialog components.
- void [backToPage2](#) ()
StartedWindowsDialog::backToPage2 Return to the second page.
- void [nextToPage2](#) ()
StartedWindowsDialog::nextToPage2 Go to the second page.
- void [nextToPage3](#) ()

- [StartedWindowsDialog::nextToPage3](#) Go to the third page.
- void [databaseTypeChanged](#) (const int index)
[StartedWindowsDialog::databaseTypeChanged](#) Listener on the Database type combobox.
- void [updateNextButton](#) ()
[StartedWindowsDialog::updateNextButton](#) Check if the next button is enabled.
- void [accept](#) ()
[StartedWindowsDialog::accept](#) Valid data inputed by user and add these data in Database.

Public Member Functions

- [StartedWindowsDialog](#) (QWidget *parent=0)
[StartedWindowsDialog::StartedWindowsDialog](#) Construct a [StartedWindowsDialog](#).
- void [fillFields](#) ()
[StartedWindowsDialog::fillFields](#) Fill line edits with the data of the user.
- QPixmap [getImage](#) (QString path, int width=256, int height=256)
[StartedWindowsDialog::getImage](#) Return a scaled image from the icon specified by it path. The image returned has a resolution of width*height (default 256*256)
- bool [isDatabaseTypeValid](#) ()
[StartedWindowsDialog::isDatabaseTypeValid](#) Return TRUE if settings of database type is valid else return FALSE.
- bool [isDatabaseCentralized](#) ()
[StartedWindowsDialog::isDatabaseCentralized](#) Return TRUE if the current type of database is centralized else FALSE.

8.83.1 Detailed Description

The [StartedWindowsDialog](#) class Construct a Windows for the first begin.

Author

Florent Berbie

See Also

[DatabaseSettingsWidget](#)

8.83.2 Constructor & Destructor Documentation

8.83.2.1 [Gui::Dialogs::StartedWindowsDialog::StartedWindowsDialog \(QWidget * parent = 0 \)](#) [explicit]

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

Parameters

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

8.83.3 Member Function Documentation

8.83.3.1 void [Gui::Dialogs::StartedWindowsDialog::databaseTypeChanged \(const int index \)](#) [slot]

[StartedWindowsDialog::databaseTypeChanged](#) Listener on the Database type combobox.

Parameters

<i>index</i>	Current index selected
--------------	------------------------

8.83.3.2 QPixmap Gui::Dialogs::StartedWindowsDialog::getImage (QString *path*, int *width* = 256, int *height* = 256)

[StartedWindowsDialog::getImage](#) Return a scaled image from the icon specified by it *path*. The image returned has a resolution of *width***height* (default 256*256)

Parameters

<i>path</i>	Icon path
<i>width</i>	Icon width
<i>height</i>	Icon height

Returns

Scaled image

8.83.3.3 bool Gui::Dialogs::StartedWindowsDialog::isDatabaseCentralized ()

[StartedWindowsDialog::isDatabaseCentralized](#) Return TRUE if the current type of database is centralized else FALSE.

Returns

boolean

8.83.3.4 bool Gui::Dialogs::StartedWindowsDialog::isDatabaseTypeValid ()

[StartedWindowsDialog::isDatabaseTypeValid](#) Return TRUE if settings of database type is valid else return FALSE.

Returns

boolean on the database type validity

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

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

8.84 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

8.84.1 Detailed Description

The Utils class.

Author

Antoine de Roquemaurel

8.84.2 Member Function Documentation

8.84.2.1 QString Utils::String::firstLetterToUpper (QString s) [static]

firstLetterToUpper Put the first letter of a string in capslock

Parameters

s	The string to display
---	-----------------------

Returns

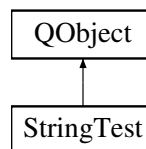
The new string with caps

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

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

8.85 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/Utils/stringtest.h
- /home/travis/build/FACT-Team/FactDev/tests/Utils/stringtest.cpp

8.86 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**

8.86.1 Detailed Description

Holds properties of a tag in a mustache template.

8.86.2 Member Enumeration Documentation

8.86.2.1 `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`

8.87 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`

8.88 testadder Class Reference

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

- `/home/travis/build/FACT-Team/FactDev/tests/QStringRunner/testadder.h`

8.89 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

8.90 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

8.91 Generator::TexGenerator Class Reference

The [TexGenerator](#) class Generate a LaTeX file.

```
#include <texgenerator.h>
```

Public Member Functions

- [TexGenerator](#) (QString tpl)
[TexGenerator::TexGenerator](#) Construct a [TexGenerator](#).
- void [generate](#) (QVariantHash data, QString path)
[TexGenerator::generate](#) Generate a LaTeX file into a file specified by the path and which contains data

8.91.1 Detailed Description

The [TexGenerator](#) class Generate a LaTeX file.

8.91.2 Constructor & Destructor Documentation

8.91.2.1 Generator::TexGenerator::TexGenerator (QString *tpl*)

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

Parameters

<i>tpl</i>	Template LaTeX to apply
------------	-------------------------

8.91.3 Member Function Documentation

8.91.3.1 void Generator::TexGenerator::generate (QVariantHash *data*, QString *path*)

[TexGenerator::generate](#) Generate a LaTeX file into a file specified by the *path* and which contains *data*

Parameters

<i>data</i>	Data to integrate in the file
<i>path</i>	Path of the out file

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

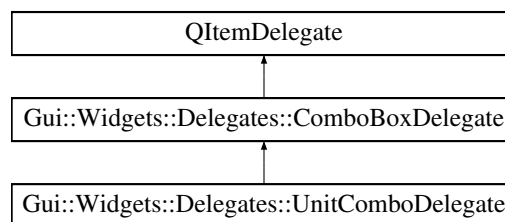
- /home/travis/build/FACT-Team/FactDev/src/generator/texgenerator.h
- /home/travis/build/FACT-Team/FactDev/src/generator/texgenerator.cpp

8.92 Gui::Widgets::Delegates::UnitComboDelegate Class Reference

The [UnitComboDelegate](#) class.

```
#include <unitcombodelegate.h>
```

Inheritance diagram for Gui::Widgets::Delegates::UnitComboDelegate:



Public Member Functions

- [UnitComboDelegate](#) (QObject *parent=0)
[UnitComboDelegate::UnitComboDelegate.](#)
- QWidget * [createEditor](#) (QWidget *parent, const QStyleOptionViewItem &option, const QModelIndex &index) const
[UnitComboDelegate::createEditor.](#)
- void [paint](#) (QPainter *painter, const QStyleOptionViewItem &option, const QModelIndex &index) const
[UnitComboDelegate::paint.](#)

8.92.1 Detailed Description

The [UnitComboDelegate](#) class.

8.92.2 Constructor & Destructor Documentation

8.92.2.1 Gui::Widgets::Delegates::UnitComboDelegate::UnitComboDelegate (QObject * *parent* = 0)

[UnitComboDelegate::UnitComboDelegate.](#)

Parameters

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

8.92.3 Member Function Documentation

8.92.3.1 `QWidget * Gui::Widgets::Delegates::UnitComboDelegate::createEditor (QWidget * parent, const QStyleOptionViewItem & option, const QModelIndex & index) const` [virtual]

[UnitComboDelegate::createEditor.](#)

Parameters

<i>parent</i>	
<i>option</i>	
<i>index</i>	

Returns

Implements [Gui::Widgets::Delegates::ComboBoxDelegate.](#)

8.92.3.2 `void Gui::Widgets::Delegates::UnitComboDelegate::paint (QPainter * painter, const QStyleOptionViewItem & option, const QModelIndex & index) const` [virtual]

[UnitComboDelegate::paint.](#)

Parameters

<i>painter</i>	
<i>option</i>	
<i>index</i>	

Implements [Gui::Widgets::Delegates::ComboBoxDelegate.](#)

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

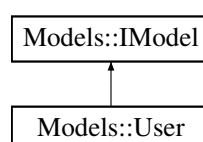
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/delegates/unitcombodelegate.h
- /home/travis/build/FACT-Team/FactDev/src/gui/widgets/delegates/unitcombodelegate.cpp

8.93 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

8.93.1 Detailed Description

The User class User of it application.

Author

Florent Berbie

8.93.2 Constructor & Destructor Documentation

8.93.2.1 Models::User::User (int id)

User::User. Construct a User with the identify id

Parameters

<i>id</i>	User id
-----------	---------

8.93.3 Member Function Documentation

8.93.3.1 QString Models::User::getAddress () const

User::getAddress Return the company address (Number and name of street)

Returns

Address company

8.93.3.2 QString Models::User::getCity () const

[User::getCity](#) Return the city.

Returns

city

8.93.3.3 QString Models::User::getCompany () const

[User::getCompany](#) Return the user company.

Returns

New company name

8.93.3.4 QVariantHash Models::User::getDataMap () [virtual]

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

Returns

Model's data

Implements [Models::IModel](#).

8.93.3.5 QString Models::User::getEmail () const

[User::getEmail](#) Return the user professional *email*

Returns

professional email

8.93.3.6 QString Models::User::getFirstname () const

[User::getFirstname](#) Return the user firstname.

Returns

[User](#) firstname

8.93.3.7 QString Models::User::getLastname () const

[User::getLastname](#) Return the user lastname.

Returns

[User](#) lastname

8.93.3.8 QString Models::User::getMobilePhone () const

[User::getMobilePhone](#) Return the number of the professional mobile phone.

Returns

number of mobile phone

8.93.3.9 QString Models::User::getNoSiret () const

[User::getNoSiret](#) Return the SIRET number (company registration number)

Returns

SIRET number

8.93.3.10 QString Models::User::getPhone () const

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

Returns

number of the desktop phone

8.93.3.11 QString Models::User::getPostalCode () const

[User::getPostalCode](#) Return the postal code.

Returns

postal code

8.93.3.12 QString Models::User::getTitle () const

[User::getTitle](#) Return a short description of [User](#) (company) activity.

Returns

a short description of user (company) activity

8.93.3.13 QString Models::User::getWorkspaceName () const

[User::getWorkspaceName](#) Return the name of the workspace user.

Returns

workspace name

8.93.3.14 QString Models::User::getWorkspacePath () const

[User::getWorkspacePath](#) Return the path of the workspace user.

Returns

workspace path

8.93.3.15 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](#).

8.93.3.16 `bool Models::User::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.

Parameters

<i>u</i>	User to compare
----------	---------------------------------

Returns

boolean

8.93.3.17 `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

8.93.3.18 `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)
----------------	---

8.93.3.19 `void Models::User::setCity (const QString & city)`

[User::setCity](#) Modify the *city*

Parameters

<i>city</i>	Company city address
-------------	----------------------

8.93.3.20 `void Models::User::setCompany (const QString & company)`

[User::setCompany](#) Modify the user *company* name.

Parameters

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

8.93.3.21 void Models::User::setEmail (const QString & *email*)

[User::setEmail](#) Modify the user professional *email*

Parameters

<i>email</i>	The user professional email
--------------	-----------------------------

8.93.3.22 void Models::User::setFirstname (const QString & *firstname*)

[User::setFirstname](#) Modify the user *firstname*

Parameters

<i>firstname</i>	New user firstname
------------------	--------------------

8.93.3.23 void Models::User::setLastname (const QString & *lastname*)

[User::setLastname](#) Modify the user *lastname*

Parameters

<i>lastname</i>	New user lastname
-----------------	-------------------

8.93.3.24 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
--------------------	---

8.93.3.25 void Models::User::setNoSiret (const QString & *noSiret*)

[User::setNoSiret](#) Modify the SIRET number (company registration number) *noSiret*

Parameters

<i>noSiret</i>	SIRET number
----------------	--------------

8.93.3.26 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
--------------	-----------------------------

8.93.3.27 void Models::User::setPostalCode (const QString & *postalCode*)

[User::setPostalCode](#) Modify the postal code *postalCode*

Parameters

<i>postalCode</i>	New postal code
-------------------	-----------------

8.93.3.28 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
--------------	--

8.93.3.29 void Models::User::setWorkspaceName (const QString & *workspaceName*)

[User::setWorkspaceName](#) Change the current workspace name by the new *workspaceName*

Parameters

<i>workspaceName</i>	
----------------------	--

8.93.3.30 void Models::User::setWorkspacePath (const QString & *workspacePath*)

[User::setWorkspacePath](#) Change the current workspace path by the new *workspacePath*

Parameters

<i>workspacePath</i>	
----------------------	--

8.93.3.31 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:

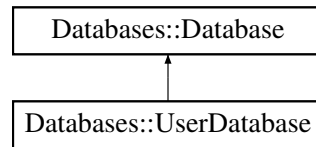
- /home/travis/build/FACT-Team/FactDev/src/models/user.h
- /home/travis/build/FACT-Team/FactDev/src/models/user.cpp

8.94 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 pld=1)
[UserDatabase::getUser](#) Get informations about the user (identified by 'pld')
- void [updateUser](#) (const [Models::User](#) &)
[UserDatabase::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

8.94.1 Detailed Description

The [UserDatabase](#) class Access to User data in the the table User of the [Database](#)

Author

Florent Berbie

See Also

[Database](#)
[User](#)

8.94.2 Member Function Documentation

8.94.2.1 [Models::User](#) * [Databases::UserDatabase::getUser](#) (const int *pld* = 1)

[UserDatabase::getUser](#) Get informations about the user (identified by 'pld')

Parameters

<i>pld</i>	user id (1 default)
------------	---------------------

Returns

the user

8.94.2.2 [UserDatabase](#) * [Databases::UserDatabase::instance](#) () throw [DbException](#) *) [static]

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

Returns

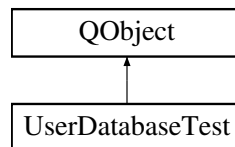
Instance of [UserDatabase](#)

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

8.95 UserDatabaseTest Class Reference

Inheritance diagram for UserDatabaseTest:



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

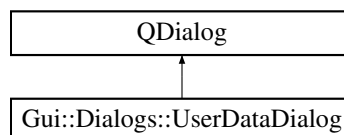
- /home/travis/build/FACT-Team/FactDev/tests/database/userdatabasetest.h
- /home/travis/build/FACT-Team/FactDev/tests/database/userdatabasetest.cpp

8.96 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::UserDataDialog](#) Construct a window with user data.
- void [fillFields](#) ()
[UserDataDialog::fillFields](#) Fill line edits with the data of the user.

- void [accept](#) ()
[UserDataDialog::accept](#) Valid data inputed by user and add these data in Database.
- void [reject](#) ()
[UserDataDialog::reject](#) Cancel the operation and close the windows.

8.96.1 Detailed Description

The [UserDataDialog](#) class Window to fill user data.

Author

Florent Berbie

See Also

[Project](#)

8.96.2 Constructor & Destructor Documentation

8.96.2.1 [Gui::Dialogs::UserDataDialog::UserDataDialog \(QWidget * *parent* = 0 \)](#) [explicit]

[UserDataDialog::UserDataDialog](#) Construct a window with user data.

Parameters

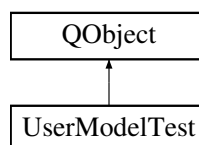
<i>parent</i>	
---------------	--

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

8.97 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, 69
- addBill
 - Gui::MainWindow, 121
- addBilling
 - Databases::BillingDatabase, 32
- addBillingProject
 - Databases::BillingDatabase, 32
- addBillingToProject
 - Utils::HierarchicalSystem, 112
- addContributory
 - Databases::ContributoryDatabase, 74
 - Models::Billing, 26
- addCustomer
 - Databases::CustomerDatabase, 90
- addDoc
 - Gui::MainWindow, 121
- addProject
 - Databases::ProjectDatabase, 142
 - Gui::MainWindow, 121
 - Gui::Widgets::ContributoriesWidget, 70
- AddProjectDialog
 - Gui::Dialogs::AddProjectDialog, 22
- addProjectToCustomer
 - Utils::HierarchicalSystem, 112
- addQuote
 - Gui::MainWindow, 121
- AddQuoteDialog
 - Gui::Dialogs::AddQuoteDialog, 23
- addRateProject
 - Databases::RateDatabase, 155
- allProjectsChose
 - Gui::Widgets::WdgModels::ProjectContributories-TableModel, 139
- append
 - Gui::Widgets::WdgModels::BillingsTableModel, 36
 - Gui::Widgets::WdgModels::ContributoriesTable-Model, 66
 - Gui::Widgets::WdgModels::CustomersTableModel, 95
 - Gui::Widgets::WdgModels::ProjectContributories-TableModel, 139
 - Gui::Widgets::WdgModels::ProjectsTableModel, 147
- Billing
 - Models::Billing, 26
- BillingDatabaseTest, 35
- BillingModelTest, 35
- BillingsTableModel
 - Gui::Widgets::WdgModels::BillingsTableModel, 36
- canEval
 - CounterContext, 79
 - Mustache::Context, 62
 - Mustache::QtVariantContext, 151
- check
 - Gui::Widgets::CheckFields::CheckEmail, 42
 - Gui::Widgets::CheckFields::CheckFieldsLetters, 43
 - Gui::Widgets::CheckFields::CheckFieldsNumbers, 45
 - Gui::Widgets::CheckFields::CheckIpAddress, 46
 - Gui::Widgets::CheckFields::CheckLogin, 47
 - Gui::Widgets::CheckFields::CheckPhone, 49
 - Gui::Widgets::CheckFields::CheckPortNumber, 51
 - Gui::Widgets::CheckFields::CheckPostalCode, 52
 - Gui::Widgets::CheckFields::CheckSiretNumber, 55
 - Gui::Widgets::CheckFields::CheckUntilField, 56
 - Gui::Widgets::CheckFields::CheckValidField, 57
 - Gui::Widgets::CheckFields::ICheckField, 113
- CheckCity
 - Gui::Widgets::CheckFields::CheckCity, 40
- CheckCountry
 - Gui::Widgets::CheckFields::CheckCountry, 41
- CheckEmail
 - Gui::Widgets::CheckFields::CheckEmail, 42
- CheckFieldsLetters
 - Gui::Widgets::CheckFields::CheckFieldsLetters, 43
- CheckFieldsNumbers
 - Gui::Widgets::CheckFields::CheckFieldsNumbers, 44
- CheckIpAddress
 - Gui::Widgets::CheckFields::CheckIpAddress, 46
- CheckLogin
 - Gui::Widgets::CheckFields::CheckLogin, 47
- CheckName
 - Gui::Widgets::CheckFields::CheckName, 48
- CheckPhone
 - Gui::Widgets::CheckFields::CheckPhone, 49
- CheckPortNumber
 - Gui::Widgets::CheckFields::CheckPortNumber, 51
- CheckPostalCode
 - Gui::Widgets::CheckFields::CheckPostalCode, 52
- CheckQLineEdit
 - Gui::Widgets::CheckFields::CheckQLineEdit, 53
- CheckSiretNumber
 - Gui::Widgets::CheckFields::CheckSiretNumber, 55
- CheckUntilField
 - Gui::Widgets::CheckFields::CheckUntilField, 56
- CheckValidField

- Gui::Widgets::CheckFields::CheckValidField, 57
- columnCount
 - Gui::Widgets::WdgModels::BillingsTableModel, 37
 - Gui::Widgets::WdgModels::ContributoriesTableModel, 66
 - Gui::Widgets::WdgModels::CustomersTableModel, 95
 - Gui::Widgets::WdgModels::ProjectContributoriesTableModel, 139
 - Gui::Widgets::WdgModels::ProjectsTableModel, 147
- ComboBoxDelegate
 - Gui::Widgets::Delegates::ComboBoxDelegate, 58
- ComboBoxModelWidget
 - Gui::Widgets::ComboBoxModelWidget, 61
- Comment
 - Mustache::Tag, 172
- Context
 - Mustache::Context, 62
- ContributoriesDatabaseTest, 63
- ContributoriesTableModel
 - Gui::Widgets::WdgModels::ContributoriesTableModel, 66
- ContributoriesWidget
 - Gui::Widgets::ContributoriesWidget, 69
- Contributory
 - Models::Contributory, 71
- ContributoryListTest, 78
- ContributoryModelTest, 78
- costCompute
 - Models::Project, 131
- count
 - Gui::Widgets::ContributoriesWidget, 70
 - Gui::Widgets::WdgModels::BillingsTableModel, 37
 - Gui::Widgets::WdgModels::ContributoriesTableModel, 66
 - Gui::Widgets::WdgModels::CustomersTableModel, 95
 - Gui::Widgets::WdgModels::ProjectsTableModel, 147
- CounterContext, 78
 - canEval, 79
 - eval, 79
 - stringValue, 79, 80
- createEditor
 - Gui::Widgets::Delegates::ComboBoxDelegate, 59
 - Gui::Widgets::Delegates::DoubleSpinBoxDelegate, 108
 - Gui::Widgets::Delegates::ProjectComboDelegate, 136
 - Gui::Widgets::Delegates::UnitComboDelegate, 177
- Customer
 - Models::Customer, 82
- CustomerContextualMenu
 - Gui::Widgets::CustomerContextualMenu, 88
- CustomerDatabaseTest, 92
- CustomerModelTest, 93
- CustomersTableModel
 - Gui::Widgets::WdgModels::CustomersTableModel, 95
- DB_FILENAME
 - Parameters, 126
- data
 - Gui::Widgets::WdgModels::BillingsTableModel, 37
 - Gui::Widgets::WdgModels::ContributoriesTableModel, 66
 - Gui::Widgets::WdgModels::CustomersTableModel, 95
 - Gui::Widgets::WdgModels::ProjectContributoriesTableModel, 139
 - Gui::Widgets::WdgModels::ProjectsTableModel, 147
- DatabaseSettingsWidget
 - Gui::Widgets::DatabaseSettingsWidget, 102
- databaseTypeChanged
 - Gui::Dialogs::StartedWindowsDialog, 169
- Databases, 17
- Databases::BillingDatabase, 30
 - addBilling, 32
 - addBillingProject, 32
 - getAllBillingsOfProject, 32
 - getBilling, 32
 - getBillings, 32
 - getBillingsTable, 33
 - getMaxBillingNumber, 33
 - getMaxBillingNumberOfCustomer, 33
 - getMaxQuoteNumber, 33
 - getMaxQuoteNumberOfCustomer, 33
 - instance, 34
 - isBillingPaid, 34
 - removeBilling, 34
 - removeBillingProject, 34
- Databases::ContributoryDatabase, 73
 - addContributory, 74
 - getContributoriesByBilling, 74
 - getContributoriesByBillingAndProject, 76
 - getContributory, 76
 - instance, 76
 - removeContributory, 76
- Databases::CustomerDatabase, 88
 - addCustomer, 90
 - getCustomer, 90
 - getCustomersTable, 90
 - getItemBillQuote, 90
 - getItemCustomer, 91
 - getItemProject, 91
 - getItemRoot, 91
 - getNbCustomers, 91
 - getTree, 91
 - instance, 92
 - removeCustomer, 92
 - updateCustomer, 92
- Databases::Database, 97
 - executeFile, 99
 - instance, 100
 - lastError, 100

- setDatabase, 100
 - value, 100
- Databases::ProjectDatabase, 141
 - addProject, 142
 - getAllProjects, 142
 - getNbProjects, 142
 - getNbProjectsForACustomer, 143
 - getProject, 143
 - getProjectsOfCustomer, 143
 - getProjectsTable, 143
 - instance, 145
 - removeProject, 145
 - updateProject, 145
- Databases::RateDatabase, 154
 - addRateProject, 155
 - getRate, 155
 - instance, 155
 - updateRateProject, 155
- Databases::UserDatabase, 186
 - getUser, 187
 - instance, 187
- DbException
 - Exceptions::DbException, 104
- DialogAddCustomer
 - Gui::Dialogs::DialogAddCustomer, 106
- DoubleSpinBoxDelegate
 - Gui::Widgets::Delegates::DoubleSpinBoxDelegate, 108
- editUser
 - Gui::MainWindow, 121
- error
 - Mustache::Renderer, 158
- errorPartial
 - Mustache::Renderer, 158
- errorPos
 - Mustache::Renderer, 158
- eval
 - CounterContext, 79
 - Mustache::Context, 62
 - Mustache::QtVariantContext, 151
- Exceptions::DbException, 104
 - DbException, 104
 - popupMessage, 105
- Exceptions::FileException, 109
 - FileException, 110
 - popupMessage, 111
- executeFile
 - Databases::Database, 99
- FileException
 - Exceptions::FileException, 110
- fillQuoteBilling
 - Gui::Dialogs::AddQuoteDialog, 23
- filterOnBillsOrQuotes
 - Models::Search, 160
- filterOnCompany
 - Models::Search, 160
- filterOnContributories
 - Models::Search, 160
- filterOnCustomersWithoutProject
 - Models::Search, 161
- filterOnNumberElements
 - Models::Search, 161
- filterOnProjects
 - Models::Search, 161
- filterOnReferentLastname
 - Models::Search, 161
- filterOnVarcharElements
 - Models::Search, 161
- firstLetterToUpper
 - Utils::String, 171
- flags
 - Gui::Widgets::WdgModels::BillingsTableModel, 37
 - Gui::Widgets::WdgModels::ContributoriesTable-Model, 67
 - Gui::Widgets::WdgModels::CustomersTableModel, 96
 - Gui::Widgets::WdgModels::ProjectContributories-TableModel, 139
 - Gui::Widgets::WdgModels::ProjectsTableModel, 148
- fn_t
 - Mustache::QtVariantContext, 151
- generate
 - Generator::PdfGenerator, 128
 - Generator::TexGenerator, 175
- Generation, 111
- Generator::PdfGenerator, 128
 - generate, 128
 - PdfGenerator, 128
- Generator::TexGenerator, 173
 - generate, 175
 - TexGenerator, 174
- getAddress
 - Models::Customer, 82
 - Models::User, 179
- getAllBillingsOfProject
 - Databases::BillingDatabase, 32
- getAllProjects
 - Databases::ProjectDatabase, 142
- getBeginDate
 - Models::Project, 131
- getBilling
 - Databases::BillingDatabase, 32
- getBillings
 - Databases::BillingDatabase, 32
 - Gui::Widgets::WdgModels::BillingsTableModel, 37
- getBillingsTable
 - Databases::BillingDatabase, 33
- getBtnValid
 - Gui::Widgets::CheckFields::CheckQLineEdit, 54
- getCity
 - Models::Customer, 82
 - Models::User, 179
- getCompany
 - Models::Customer, 82

- Models::User, 180
- getContributories
 - Gui::Widgets::ContributoriesWidget, 70
 - Gui::Widgets::WdgModels::ContributoriesTable-Model, 67
 - Models::Billing, 26
- getContributoriesByBilling
 - Databases::ContributoryDatabase, 74
- getContributoriesByBillingAndProject
 - Databases::ContributoryDatabase, 76
- getContributory
 - Databases::ContributoryDatabase, 76
- getCopy
 - Gui::Dialogs::AddQuoteDialog, 23
- getCost
 - Models::Project, 131
- getCountry
 - Gui::Widgets::CheckFields::CheckPhone, 49
 - Gui::Widgets::CheckFields::CheckPostalCode, 52
 - Models::Customer, 82
- getCurrentCustomerId
 - Gui::MainWindow, 122
 - Gui::Widgets::searchWidget, 168
- getCurrentCustomerName
 - Gui::MainWindow, 122
- getCurrentProjectId
 - Gui::MainWindow, 122
- getCurrentProjectName
 - Gui::MainWindow, 122
- getCurrentQuoteId
 - Gui::MainWindow, 122
- getCustomer
 - Databases::CustomerDatabase, 90
 - Models::Project, 132
- getCustomers
 - Gui::Widgets::WdgModels::CustomersTableModel, 96
 - Utils::HierarchicalSystem, 112
- getCustomersTable
 - Databases::CustomerDatabase, 90
- getDailyRate
 - Gui::Widgets::RateWidget, 157
 - Models::Project, 132
 - Models::Rate, 153
- getDataMap
 - Models::Billing, 26
 - Models::Contributory, 72
 - Models::Customer, 82
 - Models::IModel, 115
 - Models::Project, 132
 - Models::User, 180
- getDatabaseName
 - Gui::Widgets::DatabaseSettingsWidget, 103
- getDate
 - Models::Billing, 27
- getDescription
 - Models::Billing, 27
 - Models::Contributory, 72
 - Models::Project, 132
- getDomainNameOrIP
 - Gui::Widgets::DatabaseSettingsWidget, 103
- getEmail
 - Models::Customer, 83
 - Models::User, 180
- getEndDate
 - Models::Project, 132
- getFax
 - Models::Customer, 83
- getFilename
 - Models::Billing, 27
- getFilter
 - Models::Search, 161
- getFirstname
 - Models::User, 180
- getFirstnameReferent
 - Models::Customer, 83
- getFolder
 - Models::Billing, 27
- getGroupFilter
 - Models::Search, 162
- getHourlyRate
 - Gui::Widgets::RateWidget, 157
 - Models::Rate, 153
- getId
 - Models::IModel, 115
- getIdCustomer
 - Gui::Dialogs::AddQuoteDialog, 23
- getImage
 - Gui::Dialogs::StartedWindowsDialog, 170
- getItemBillQuote
 - Databases::CustomerDatabase, 90
- getItemCustomer
 - Databases::CustomerDatabase, 91
- getItemProject
 - Databases::CustomerDatabase, 91
- getItemRoot
 - Databases::CustomerDatabase, 91
- getLastName
 - Models::User, 180
- getLastNameReferent
 - Models::Customer, 83
- getLegalRate
 - Models::Rate, 154
- getLocked
 - Gui::Widgets::Delegates::ProjectComboDelegate, 137
- getLogin
 - Gui::Widgets::DatabaseSettingsWidget, 103
- getMaxBillingNumber
 - Databases::BillingDatabase, 33
- getMaxBillingNumberOfCustomer
 - Databases::BillingDatabase, 33
- getMaxQuoteNumber
 - Databases::BillingDatabase, 33
- getMaxQuoteNumberOfCustomer
 - Databases::BillingDatabase, 33

- getMobilePhone
 - Models::Customer, [83](#)
 - Models::User, [180](#)
- getModel
 - Utils::ItemType, [116](#)
- getName
 - Models::Project, [132](#)
 - Utils::ItemType, [117](#)
- getNameFolder
 - Models::Customer, [83](#)
- getNbCustomers
 - Databases::CustomerDatabase, [91](#)
- getNbDailyHours
 - Models::Rate, [154](#)
- getNbHours
 - Models::Contributory, [72](#)
- getNbProjects
 - Databases::ProjectDatabase, [142](#)
- getNbProjectsForACustomer
 - Databases::ProjectDatabase, [143](#)
- getNoSiret
 - Models::User, [181](#)
- getNumber
 - Gui::Dialogs::AddQuoteDialog, [24](#)
 - Models::Billing, [27](#)
- getPartial
 - Mustache::PartialFileLoader, [126](#)
 - Mustache::PartialMap, [127](#)
 - Mustache::PartialResolver, [128](#)
- getPassword
 - Gui::Widgets::DatabaseSettingsWidget, [103](#)
- getPath
 - Models::Billing, [27](#)
 - Models::Customer, [84](#)
- getPhone
 - Models::Customer, [84](#)
 - Models::User, [181](#)
- getPort
 - Gui::Widgets::DatabaseSettingsWidget, [103](#)
- getPostalCode
 - Models::Customer, [84](#)
 - Models::User, [181](#)
- getProject
 - Databases::ProjectDatabase, [143](#)
 - Gui::Widgets::WdgModels::ProjectContributoriesTableModel, [140](#)
 - Models::Contributory, [72](#)
- getProjects
 - Gui::Widgets::Delegates::ProjectComboDelegate, [137](#)
 - Gui::Widgets::WdgModels::ProjectContributoriesTableModel, [140](#)
 - Gui::Widgets::WdgModels::ProjectsTableModel, [148](#)
 - Utils::HierarchicalSystem, [112](#)
- getProjectsOfCustomer
 - Databases::ProjectDatabase, [143](#)
- getProjectsTable
 - Databases::ProjectDatabase, [143](#)
- getRate
 - Databases::RateDatabase, [155](#)
- getSearchInBillsQuotes
 - Models::Search, [162](#)
- getSearchInCompanies
 - Models::Search, [162](#)
- getSearchInProjects
 - Models::Search, [162](#)
- getSearchInReferentLastname
 - Models::Search, [162](#)
- getSelectedProjects
 - Gui::Widgets::WdgModels::ProjectContributoriesTableModel, [140](#)
- getSumQuantity
 - Gui::Widgets::WdgModels::ContributoriesTableModel, [67](#)
 - Models::Billing, [28](#)
- getSumRate
 - Models::Billing, [28](#)
- getText
 - Models::Search, [162](#)
- getTitle
 - Models::Billing, [28](#)
 - Models::User, [181](#)
- getTree
 - Databases::CustomerDatabase, [91](#)
- getType
 - Utils::ItemType, [117](#)
- getUser
 - Databases::UserDatabase, [187](#)
- getWorkspaceName
 - Models::User, [181](#)
- getWorkspacePath
 - Models::User, [181](#)
- Gui, [17](#)
- Gui::Dialogs::AddProjectDialog, [21](#)
- AddProjectDialog, [22](#)
- Gui::Dialogs::AddQuoteDialog, [22](#)
- AddQuoteDialog, [23](#)
- fillQuoteBilling, [23](#)
- getCopy, [23](#)
- getIdCustomer, [23](#)
- getNumber, [24](#)
- setCopy, [24](#)
- setQuoteIdNumber, [24](#)
- Gui::Dialogs::DialogAddCustomer, [106](#)
- DialogAddCustomer, [106](#)
- Gui::Dialogs::MessageBox, [124](#)
- MessageBox, [125](#)
- setImage, [125](#)
- setText, [125](#)
- Gui::Dialogs::StartedWindowsDialog, [168](#)
- databaseTypeChanged, [169](#)
- getImage, [170](#)
- isDatabaseCentralized, [170](#)
- isDatabaseTypeValid, [170](#)
- StartedWindowsDialog, [169](#)

- Gui::Dialogs::UserDataDialog, 188
 - UserDataDialog, 189
- Gui::Docks::SearchDock, 164
 - search, 166
 - SearchDock, 165
 - textChanged, 166
- Gui::MainWindow, 119
 - addBill, 121
 - addDoc, 121
 - addProject, 121
 - addQuote, 121
 - editUser, 121
 - getCurrentCustomerId, 122
 - getCurrentCustomerName, 122
 - getCurrentProjectId, 122
 - getCurrentProjectName, 122
 - getCurrentQuoteId, 122
 - MainWindow, 121
 - rootTree, 122
 - search, 122
 - treeLevel, 124
- Gui::Widgets, 18
- Gui::Widgets::CheckFields::CheckCity, 39
 - CheckCity, 40
- Gui::Widgets::CheckFields::CheckCountry, 40
 - CheckCountry, 41
- Gui::Widgets::CheckFields::CheckEmail, 41
 - check, 42
 - CheckEmail, 42
- Gui::Widgets::CheckFields::CheckFieldsLetters, 43
 - check, 43
 - CheckFieldsLetters, 43
- Gui::Widgets::CheckFields::CheckFieldsNumbers, 44
 - check, 45
 - CheckFieldsNumbers, 44
- Gui::Widgets::CheckFields::CheckIpAddress, 45
 - check, 46
 - CheckIpAddress, 46
- Gui::Widgets::CheckFields::CheckLogin, 46
 - check, 47
 - CheckLogin, 47
- Gui::Widgets::CheckFields::CheckName, 48
 - CheckName, 48
- Gui::Widgets::CheckFields::CheckPhone, 48
 - check, 49
 - CheckPhone, 49
 - getCountry, 49
 - setCountry, 50
- Gui::Widgets::CheckFields::CheckPortNumber, 50
 - check, 51
 - CheckPortNumber, 51
- Gui::Widgets::CheckFields::CheckPostalCode, 51
 - check, 52
 - CheckPostalCode, 52
 - getCountry, 52
 - setCountry, 52
- Gui::Widgets::CheckFields::CheckQLineEdit, 53
 - CheckQLineEdit, 53
 - getBtnValid, 54
 - isValid, 54
 - setBtnValid, 54
- Gui::Widgets::CheckFields::CheckSiretNumber, 54
 - check, 55
 - CheckSiretNumber, 55
- Gui::Widgets::CheckFields::CheckUntilField, 55
 - check, 56
 - CheckUntilField, 56
- Gui::Widgets::CheckFields::CheckValidField, 56
 - check, 57
 - CheckValidField, 57
- Gui::Widgets::CheckFields::ICheckField, 113
 - check, 113
- Gui::Widgets::ComboBoxModelWidget, 61
 - ComboBoxModelWidget, 61
- Gui::Widgets::ContributoriesWidget, 68
 - add, 69
 - addProject, 70
 - ContributoriesWidget, 69
 - count, 70
 - getContributories, 70
- Gui::Widgets::CustomerContextualMenu, 87
 - CustomerContextualMenu, 88
- Gui::Widgets::CustomerDataWidget, 93
 - printInformations, 93
- Gui::Widgets::DatabaseSettingsWidget, 100
 - DatabaseSettingsWidget, 102
 - getDatabaseName, 103
 - getDomainNameOrIP, 103
 - getLogin, 103
 - getPassword, 103
 - getPort, 103
 - isValid, 103
- Gui::Widgets::Delegates::ComboBoxDelegate, 58
 - ComboBoxDelegate, 58
 - createEditor, 59
 - paint, 60
 - setEditorData, 60
 - setModelData, 60
 - updateEditorGeometry, 60
- Gui::Widgets::Delegates::DoubleSpinBoxDelegate, 107
 - createEditor, 108
 - DoubleSpinBoxDelegate, 108
 - setEditorData, 108
 - setModelData, 109
 - updateEditorGeometry, 109
- Gui::Widgets::Delegates::ProjectComboDelegate, 135
 - createEditor, 136
 - getLocked, 137
 - getProjects, 137
 - paint, 137
 - ProjectComboDelegate, 135
 - setLocked, 137
- Gui::Widgets::Delegates::UnitComboDelegate, 175
 - createEditor, 177
 - paint, 177
 - UnitComboDelegate, 175

- Gui::Widgets::Popup, 129
- Gui::Widgets::ProjectsWidget, 149
 - ProjectsWidget, 150
 - updateBtn, 150
- Gui::Widgets::RateWidget, 156
 - getDailyRate, 157
 - getHourlyRate, 157
 - RateWidget, 157
 - setDailyRate, 157
 - setHourlyRate, 157
 - setWidgetDailyRateValue, 157
 - setWidgetHourlyRateValue, 158
- Gui::Widgets::WdgModels::BillingsTableModel, 35
 - append, 36
 - BillingsTableModel, 36
 - columnCount, 37
 - count, 37
 - data, 37
 - flags, 37
 - getBillings, 37
 - headerData, 37
 - remove, 39
 - rowCount, 39
 - setData, 39
- Gui::Widgets::WdgModels::ContributoriesTableModel, 65
 - append, 66
 - columnCount, 66
 - ContributoriesTableModel, 66
 - count, 66
 - data, 66
 - flags, 67
 - getContributories, 67
 - getSumQuantity, 67
 - headerData, 67
 - remove, 67
 - rowCount, 68
 - setData, 68
- Gui::Widgets::WdgModels::CustomersTableModel, 94
 - append, 95
 - columnCount, 95
 - count, 95
 - CustomersTableModel, 95
 - data, 95
 - flags, 96
 - getCustomers, 96
 - headerData, 96
 - remove, 96
 - rowCount, 96
 - setData, 97
- Gui::Widgets::WdgModels::ProjectContributoriesTableModel, 138
 - allProjectsChose, 139
 - append, 139
 - columnCount, 139
 - data, 139
 - flags, 139
 - getProject, 140
 - getProjects, 140
 - getSelectedProjects, 140
 - headerData, 140
 - ProjectContributoriesTableModel, 139
 - remove, 140
 - rowCount, 141
 - setData, 141
- Gui::Widgets::WdgModels::ProjectsTableModel, 146
 - append, 147
 - columnCount, 147
 - count, 147
 - data, 147
 - flags, 148
 - getProjects, 148
 - headerData, 148
 - ProjectsTableModel, 147
 - remove, 148
 - rowCount, 148
 - setData, 149
- Gui::Widgets::searchWidget, 166
 - getCurrentCustomerId, 168
 - isCustomerSelected, 168
 - search, 168
 - searchWidget, 167
- headerData
 - Gui::Widgets::WdgModels::BillingsTableModel, 37
 - Gui::Widgets::WdgModels::ContributoriesTableModel, 67
 - Gui::Widgets::WdgModels::CustomersTableModel, 96
 - Gui::Widgets::WdgModels::ProjectContributoriesTableModel, 140
 - Gui::Widgets::WdgModels::ProjectsTableModel, 148
- hydrat
 - Models::Billing, 28
 - Models::Contributory, 72
 - Models::Customer, 84
 - Models::IModel, 115
 - Models::Project, 133
 - Models::User, 181
- instance
 - Databases::BillingDatabase, 34
 - Databases::ContributoryDatabase, 76
 - Databases::CustomerDatabase, 92
 - Databases::Database, 100
 - Databases::ProjectDatabase, 145
 - Databases::RateDatabase, 155
 - Databases::UserDatabase, 187
 - Utils::Log, 118
- InvertedSectionStart
 - Mustache::Tag, 172
- isBilling
 - Models::Billing, 28
- isBillingPaid
 - Databases::BillingDatabase, 34
- isCustomerSelected

- Gui::Widgets::searchWidget, 168
- isDatabaseCentralized
 - Gui::Dialogs::StartedWindowsDialog, 170
- isDatabaseTypeValid
 - Gui::Dialogs::StartedWindowsDialog, 170
- isFalse
 - Mustache::Context, 62
 - Mustache::QtVariantContext, 152
- isPaid
 - Models::Billing, 28
- isToRemoved
 - Models::IModel, 115
- isValid
 - Gui::Widgets::CheckFields::CheckQLineEdit, 54
 - Gui::Widgets::DatabaseSettingsWidget, 103
- ItemType
 - Utils::ItemType, 116
- ItemTypeTest, 117
- lastError
 - Databases::Database, 100
- listCount
 - Mustache::Context, 63
 - Mustache::QtVariantContext, 152
- MainWindow
 - Gui::MainWindow, 121
- makeDirectory
 - Utils::Directories, 107
- MessageBox
 - Gui::Dialogs::MessageBox, 125
- Models, 18
- Models::Billing, 24
 - addContributory, 26
 - Billing, 26
 - getContributories, 26
 - getDataMap, 26
 - getDate, 27
 - getDescription, 27
 - getFilename, 27
 - getFolder, 27
 - getNumber, 27
 - getPath, 27
 - getSumQuantity, 28
 - getSumRate, 28
 - getTitle, 28
 - hydrat, 28
 - isBilling, 28
 - isPaid, 28
 - operator<, 29
 - operator==, 29
 - setDate, 29
 - setDescription, 29
 - setIsBilling, 29
 - setIsPaid, 30
 - setNumber, 30
 - setTitle, 30
- Models::ContributoriesList, 64
 - setAllIdContributories, 64
- Models::Contributory, 70
 - Contributory, 71
 - getDataMap, 72
 - getDescription, 72
 - getNbHours, 72
 - getProject, 72
 - hydrat, 72
 - operator==, 73
 - setDescription, 73
 - setNbHours, 73
 - setProject, 73
- Models::Customer, 80
 - Customer, 82
 - getAddress, 82
 - getCity, 82
 - getCompany, 82
 - getCountry, 82
 - getDataMap, 82
 - getEmail, 83
 - getFax, 83
 - getFirstnameReferent, 83
 - getLastnameReferent, 83
 - getMobilePhone, 83
 - getNameFolder, 83
 - getPath, 84
 - getPhone, 84
 - getPostalCode, 84
 - hydrat, 84
 - operator==, 84
 - setAddress, 86
 - setCity, 86
 - setCompany, 86
 - setCountry, 86
 - setEmail, 86
 - setFax, 86
 - setFirstnameReferent, 87
 - setLastnameReferent, 87
 - setMobilePhone, 87
 - setPhone, 87
 - setPostalCode, 87
- Models::IModel, 114
 - getDataMap, 115
 - getId, 115
 - hydrat, 115
 - isToRemoved, 115
 - setId, 115
 - setToRemoved, 115
- Models::Project, 129
 - costCompute, 131
 - getBeginDate, 131
 - getCost, 131
 - getCustomer, 132
 - getDailyRate, 132
 - getDataMap, 132
 - getDescription, 132
 - getEndDate, 132
 - getName, 132
 - hydrat, 133

- operator<, 133
- operator==, 133
- Project, 131
- setBeginDate, 133
- setCost, 134
- setCustomer, 134
- setDailyRate, 134
- setDescription, 134
- setEndDate, 134
- setName, 134
- Models::Rate, 152
 - getDailyRate, 153
 - getHourlyRate, 153
 - getLegalRate, 154
 - getNbDailyHours, 154
 - Rate, 153
- Models::Search, 159
 - filterOnBillsOrQuotes, 160
 - filterOnCompany, 160
 - filterOnContributories, 160
 - filterOnCustomersWithoutProject, 161
 - filterOnNumberElements, 161
 - filterOnProjects, 161
 - filterOnReferentLastname, 161
 - filterOnVarcharElements, 161
 - getFilter, 161
 - getGroupFilter, 162
 - getSearchInBillsQuotes, 162
 - getSearchInCompanies, 162
 - getSearchInProjects, 162
 - getSearchInReferentLastname, 162
 - getText, 162
 - searchInContributories, 162
 - setGroupFilter, 163
 - setSearchInBillsQuotes, 163
 - setSearchInCompanies, 163
 - setSearchInContributories, 163
 - setSearchInProjects, 163
 - setSearchInReferentLastname, 163
 - setText, 164
- Models::User, 177
 - getAddress, 179
 - getCity, 179
 - getCompany, 180
 - getDataMap, 180
 - getEmail, 180
 - getFirstname, 180
 - getLastname, 180
 - getMobilePhone, 180
 - getNoSiret, 181
 - getPhone, 181
 - getPostalCode, 181
 - getTitle, 181
 - getWorkspaceName, 181
 - getWorkspacePath, 181
 - hydrat, 181
 - operator==, 183
 - setAddress, 183
 - setCity, 183
 - setCompany, 183
 - setEmail, 184
 - setFirstname, 184
 - setLastname, 184
 - setMobilePhone, 184
 - setNoSiret, 184
 - setPhone, 184
 - setPostalCode, 184
 - setTitle, 186
 - setWorkspaceName, 186
 - setWorkspacePath, 186
 - updateFolders, 186
 - User, 179
- Mustache::Tag
 - Comment, 172
 - InvertedSectionStart, 172
 - Partial, 172
 - SectionEnd, 172
 - SectionStart, 172
 - SetDelimiter, 172
- Mustache::Context, 61
 - canEval, 62
 - Context, 62
 - eval, 62
 - isFalse, 62
 - listCount, 63
 - partialResolver, 63
 - partialValue, 63
 - pop, 63
 - push, 63
 - stringValue, 63
- Mustache::PartialFileLoader, 126
 - getPartial, 126
- Mustache::PartialMap, 127
 - getPartial, 127
- Mustache::PartialResolver, 127
 - getPartial, 128
- Mustache::QtVariantContext, 150
 - canEval, 151
 - eval, 151
 - fn_t, 151
 - isFalse, 152
 - listCount, 152
 - pop, 152
 - push, 152
 - stringValue, 152
- Mustache::Renderer, 158
 - error, 158
 - errorPartial, 158
 - errorPos, 158
 - render, 158
 - setTagMarkers, 159
- Mustache::Tag, 171
 - Type, 172
- operator<
 - Models::Billing, 29
 - Models::Project, 133

- operator<<
 - Utils::Log, 119
- operator==
 - Models::Billing, 29
 - Models::Contributory, 73
 - Models::Customer, 84
 - Models::Project, 133
 - Models::User, 183
- paint
 - Gui::Widgets::Delegates::ComboBoxDelegate, 60
 - Gui::Widgets::Delegates::ProjectComboDelegate, 137
 - Gui::Widgets::Delegates::UnitComboDelegate, 177
- Parameters, 125
 - DB_FILENAME, 126
 - VERSION, 126
- Partial
 - Mustache::Tag, 172
- partialResolver
 - Mustache::Context, 63
- partialValue
 - Mustache::Context, 63
- PdfGenerator
 - Generator::PdfGenerator, 128
- pop
 - Mustache::Context, 63
 - Mustache::QtVariantContext, 152
- popupMessage
 - Exceptions::DbException, 105
 - Exceptions::FileException, 111
- printInformations
 - Gui::Widgets::CustomerDataWidget, 93
- Project
 - Models::Project, 131
- ProjectComboDelegate
 - Gui::Widgets::Delegates::ProjectComboDelegate, 135
- ProjectContributoriesTableModel
 - Gui::Widgets::WdgModels::ProjectContributoriesTableModel, 139
- ProjectDatabaseTest, 145
- ProjectModelTest, 146
- ProjectsTableModel
 - Gui::Widgets::WdgModels::ProjectsTableModel, 147
- ProjectsWidget
 - Gui::Widgets::ProjectsWidget, 150
- push
 - Mustache::Context, 63
 - Mustache::QtVariantContext, 152
- Rate
 - Models::Rate, 153
- RateModelTest, 156
- RateWidget
 - Gui::Widgets::RateWidget, 157
- remove
 - Gui::Widgets::WdgModels::BillingsTableModel, 39
 - Gui::Widgets::WdgModels::ContributoriesTableModel, 67
 - Gui::Widgets::WdgModels::CustomersTableModel, 96
 - Gui::Widgets::WdgModels::ProjectContributoriesTableModel, 140
 - Gui::Widgets::WdgModels::ProjectsTableModel, 148
- removeBilling
 - Databases::BillingDatabase, 34
- removeBillingProject
 - Databases::BillingDatabase, 34
- removeContributory
 - Databases::ContributoryDatabase, 76
- removeCustomer
 - Databases::CustomerDatabase, 92
- removeProject
 - Databases::ProjectDatabase, 145
- render
 - Mustache::Renderer, 158
- rootTree
 - Gui::MainWindow, 122
- rowCount
 - Gui::Widgets::WdgModels::BillingsTableModel, 39
 - Gui::Widgets::WdgModels::ContributoriesTableModel, 68
 - Gui::Widgets::WdgModels::CustomersTableModel, 96
 - Gui::Widgets::WdgModels::ProjectContributoriesTableModel, 141
 - Gui::Widgets::WdgModels::ProjectsTableModel, 148
- search
 - Gui::Docks::SearchDock, 166
 - Gui::MainWindow, 122
 - Gui::Widgets::searchWidget, 168
- SearchDock
 - Gui::Docks::SearchDock, 165
- searchInContributories
 - Models::Search, 162
- searchTest, 166
- searchWidget
 - Gui::Widgets::searchWidget, 167
- SectionEnd
 - Mustache::Tag, 172
- SectionStart
 - Mustache::Tag, 172
- SetDelimiter
 - Mustache::Tag, 172
- setAddress
 - Models::Customer, 86
 - Models::User, 183
- setAllIdContributories
 - Models::ContributoriesList, 64
- setBeginDate
 - Models::Project, 133
- setBtnValid
 - Gui::Widgets::CheckFields::CheckQLineEdit, 54

- setCity
 - Models::Customer, 86
 - Models::User, 183
- setCompany
 - Models::Customer, 86
 - Models::User, 183
- setCopy
 - Gui::Dialogs::AddQuoteDialog, 24
- setCost
 - Models::Project, 134
- setCountry
 - Gui::Widgets::CheckFields::CheckPhone, 50
 - Gui::Widgets::CheckFields::CheckPostalCode, 52
 - Models::Customer, 86
- setCustomer
 - Models::Project, 134
- setDailyRate
 - Gui::Widgets::RateWidget, 157
 - Models::Project, 134
- setData
 - Gui::Widgets::WdgModels::BillingsTableModel, 39
 - Gui::Widgets::WdgModels::ContributoriesTable-Model, 68
 - Gui::Widgets::WdgModels::CustomersTableModel, 97
 - Gui::Widgets::WdgModels::ProjectContributories-TableModel, 141
 - Gui::Widgets::WdgModels::ProjectsTableModel, 149
- setDatabase
 - Databases::Database, 100
- setDate
 - Models::Billing, 29
- setDescription
 - Models::Billing, 29
 - Models::Contributory, 73
 - Models::Project, 134
- setEditorData
 - Gui::Widgets::Delegates::ComboBoxDelegate, 60
 - Gui::Widgets::Delegates::DoubleSpinBoxDelegate, 108
- setEmail
 - Models::Customer, 86
 - Models::User, 184
- setEndDate
 - Models::Project, 134
- setFax
 - Models::Customer, 86
- setFirstname
 - Models::User, 184
- setFirstnameReferent
 - Models::Customer, 87
- setGroupFilter
 - Models::Search, 163
- setHourlyRate
 - Gui::Widgets::RateWidget, 157
- setId
 - Models::IModel, 115
- setImage
 - Gui::Dialogs::MessageBox, 125
- setIsBilling
 - Models::Billing, 29
- setIsPaid
 - Models::Billing, 30
- setLastname
 - Models::User, 184
- setLastnameReferent
 - Models::Customer, 87
- setLocked
 - Gui::Widgets::Delegates::ProjectComboDelegate, 137
- setMobilePhone
 - Models::Customer, 87
 - Models::User, 184
- setModelData
 - Gui::Widgets::Delegates::ComboBoxDelegate, 60
 - Gui::Widgets::Delegates::DoubleSpinBoxDelegate, 109
- setName
 - Models::Project, 134
 - Utils::ItemType, 117
- setNbHours
 - Models::Contributory, 73
- setNoSiret
 - Models::User, 184
- setNumber
 - Models::Billing, 30
- setPhone
 - Models::Customer, 87
 - Models::User, 184
- setPostalCode
 - Models::Customer, 87
 - Models::User, 184
- setProject
 - Models::Contributory, 73
- setQuoteldNumber
 - Gui::Dialogs::AddQuoteDialog, 24
- setSearchInBillsQuotes
 - Models::Search, 163
- setSearchInCompanies
 - Models::Search, 163
- setSearchInContributories
 - Models::Search, 163
- setSearchInProjects
 - Models::Search, 163
- setSearchInReferentLastname
 - Models::Search, 163
- setTagMarkers
 - Mustache::Renderer, 159
- setText
 - Gui::Dialogs::MessageBox, 125
 - Models::Search, 164
- setTitle
 - Models::Billing, 30
 - Models::User, 186
- setToRemoved

- Models::IModel, 115
- setType
 - Utils::ItemType, 117
- setWidgetDailyRateValue
 - Gui::Widgets::RateWidget, 157
- setWidgetHourlyRateValue
 - Gui::Widgets::RateWidget, 158
- setWorkspaceName
 - Models::User, 186
- setWorkspacePath
 - Models::User, 186
- StartedWindowsDialog
 - Gui::Dialogs::StartedWindowsDialog, 169
- StringTest, 171
- stringValue
 - CounterContext, 79, 80
 - Mustache::Context, 63
 - Mustache::QtVariantContext, 152
- TestAdder< T >, 172
- TestMustache, 173
- TestRunner, 173
- testadder, 172
- TexGenerator
 - Generator::TexGenerator, 174
- textChanged
 - Gui::Docks::SearchDock, 166
- treeLevel
 - Gui::MainWindow, 124
- Type
 - Mustache::Tag, 172
- UnitComboDelegate
 - Gui::Widgets::Delegates::UnitComboDelegate, 175
- updateBtn
 - Gui::Widgets::ProjectsWidget, 150
- updateCustomer
 - Databases::CustomerDatabase, 92
- updateEditorGeometry
 - Gui::Widgets::Delegates::ComboBoxDelegate, 60
 - Gui::Widgets::Delegates::DoubleSpinBoxDelegate, 109
- updateFolders
 - Models::User, 186
- updateProject
 - Databases::ProjectDatabase, 145
- updateRateProject
 - Databases::RateDatabase, 155
- User
 - Models::User, 179
- UserDataDialog
 - Gui::Dialogs::UserDataDialog, 189
- UserDatabaseTest, 188
- UserModelTest, 189
- Utils::Directories, 107
 - makeDirectory, 107
- Utils::HierarchicalSystem, 111
 - addBillingToProject, 112
 - addProjectToCustomer, 112
 - getCustomers, 112
 - getProjects, 112
- Utils::ItemType, 116
 - getModel, 116
 - getName, 117
 - getType, 117
 - ItemType, 116
 - setName, 117
 - setType, 117
- Utils::Log, 118
 - instance, 118
 - operator<<, 119
 - write, 118
- Utils::String, 170
 - firstLetterToUpper, 171
- Utils::pointers, 129
- VERSION
 - Parameters, 126
- value
 - Databases::Database, 100
- write
 - Utils::Log, 118