Helpers MainWindow +extract_values_from_map(std::map<TK, TV> const& input_map) : -ui : Ui::MainWindow std::vector<TV> - currentuser : shared_ptr<User> +MainWindow(QWidget *) : MainWindow +~MainWindow(): void +inizializeMainWindowsUi(shared_ptr<User>): void .. private slots for handling ui event... +(signal) logout() : void -nullNewUserAttribute() : bool OperationRepository -nullNewOperationAttribute() : bool -clearNewUserAttribute() : void -operationtable : map<int, shared_ptr<Operation> -clearNewOperationAttribute() : void <u>-instance : OperationRepository*</u> -OperationRepository() : OperationRepository +getInstance() : OperationRepository* LoginForm + getOperationById(int) : shared_ptr<Operation> +insertOperation(Operation*): void -ui : Ui::LoginForm +removeOperation(int) : bool -mainwindow_ref : MainWindow* +getAllOperation() : vector<shared_ptr<Operation>> +LoginForm(QWidget*, MainWindow*): LoginForm +getAllOperation(QDate&) : vector<shared_ptr<Operation>> +~LoginForm(): void +getAllOperation(int) : vector<shared_ptr<Operation>> -(slot) on_pushButton_login_clicked() : void +getAllOperation(int, QDate&) : vector<shared_ptr<Operation>> -(slot) logout : void +~OperationRepository(): void Operation -idoperation : int <u>-idprog : int</u> -name : QString -address : QString -coordinate : QGeoCoordinate* -petitioner : QString -cellnumber : QString COLOR -color : COLOR RED -leader : shared_ptr<User> ORANGE -team : shared_ptr<Team> GREEN -starttime : QDateTime*

-finishtime : QDateTime*

+Operation(): Operation

+~Operation(): void

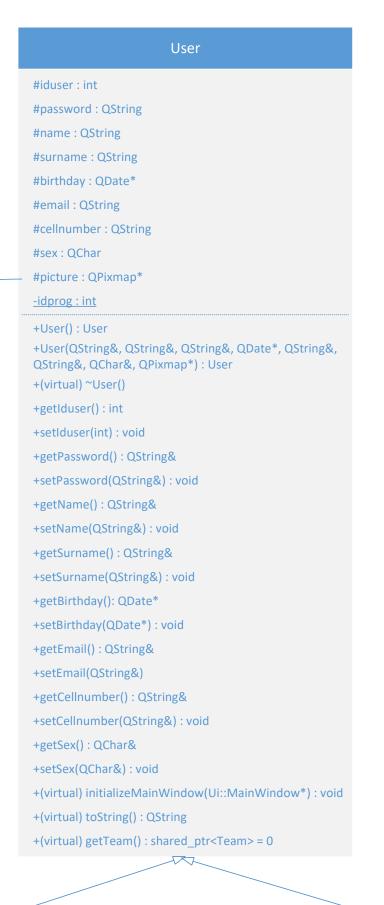
.. getter and setters...

+colorToString(COLOR) : QString

+stringToColor(QString) : COLOR

shared_ptr<User>, shared_ptr<Team>, QDateTime*, QDateTime*) : Operation

UserRepository -usertable : map<int, shared_ptr<User> -instance : UserRepository* -UserRepository() : UserRepository +getInstance() : UserRepository* + getUserById(int) : shared_ptr<User> +getAllUser(): vector<shared_ptr<User>> +insertUser(User*) : void +removeUser(int) : bool +~TeamRepository(): void TeamRepository -teamtable : map<int, shared_ptr<Team> -instance : TeamRepository* -TeamRepository(): TeamRepository <u>+getInstance()</u>: TeamRepository* + getTeamById(int) : shared_ptr<Team> +getAllTeam() : vector<shared_ptr<Team>> +insertTeam(Team*): void +removeTeam(int) : bool +~TeamRepository(): void Team -idteam : int -name : QString -areaname : QString -coordinate : QGeoCoordinate* -<u>idprog : int</u> +Team(): Team +Team(QString&, QString&, QGeoCoordinate*) +~Team(): void +getIdteam(): int +setIdteam(int): void +getName(): QString& +setName(QString&): void +getAreaname : QString& +setAreaname(QString&): void +getCoordinate() : QGeoCoordinate* +setCoordinate(QGeoCoordinate*): void +toString(): QString



Volunteer

#team : shared_ptr<Team>

+Volunteer(): Volunteer

+Volunteer(QString&, QString&, QDate*, QString&, QString&, QChar&,

QPixmap*, shared_ptr<Team> team = shared_ptr<Team>(nullptr)) : Volunteer

+(virtual) ~Volunteer() : void

+(virtual) getTeam() : shared_ptr<Team>

+setTeam(shared_ptr<Team) : void

+(virtual) initializeMainWindow(Ui::MainWindow* ui) : void

+(virtual) populateOperationList(QListWidget *list, const QDate &date) : void

+(virtual) toString(): QString

Administrator

+Administartor() : Administrator

+Administartor(QString&, QString&, QDate*, QString&, QChar&,

QPixmap*) : Administrator

+(virtual) ~Administrator() : void

+(virtual) initializeMainWindow(Ui::MainWindow*) : void

+(virtual) addNewUser(User* user) : void

+(virtual) addNewUser(Volunteer* volunteer, int idteam) : void

+(virtual) populateComboBoxTeams(QComboBox* comboBox, bool isForeman) : void

+(virtual) populateListBoxUsers(QListWidget* listWidget, int

idteam = -1): void

+(virtual) deleteUser(int iduser) : void

+(virtual) getTeam() : shared_ptr<Team>

+Foreman(): Foreman

+Foreman(QString&, QString&, QDate*, QString&, QString&, QChar&, QPixmap*,

shared_ptr<Team> team = shared_ptr<Team>(nullptr)) : Foreman

+(virtual) ~Foreman() : void

+(virtual) populateComboBoxTeams(QComboBox* comboBox, bool isForeman) : void

+(virtual) populateOperationList(QListWidget *oplist, const QDate &date) : void

+(virtual) getTeam() : shared_ptr<Team>

+populateVolunteerComboBox(QComboBox *comboBox) : void

+addNewOperation(Operation* newop) : void