Spyke (Babel Project)

La Pintade

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1 CLIENT

1.1 GUI

```
class PTUser
 private:
   class User
     std::string _username;
     std::string _password;
     std::string _objectId;
     std::list<Contact*> _contactList;
   public:
     User();
     ~User();
     const std::string &getUsername() const;// Get the username of
         the current user
     const std::string &getPassword() const; // Get the password of
         the current user
     const std::string &getObjectId() const; // Get the objectId of
         the current user
     void setUsername(); // Set the username of a new user
     void setPassword(); // Set the password of a new user
     void setObjectId(); .// Set the object ID gotten from the server
     std::list<Contact*> getContactList() const; // Return the
         contact list of the current user
     const std::string &getLocation() const; // Return the location
         info of the current user
     void addContact(Contact&); // Add a new contact to the contact
         list of the current user
   };
   User _currentUser;
   NetworkServerHandler server;
   std::string _ipServer;
 public:
   PTUser();
   ~PTUser();
          currentUser();
   User&
   template<typename T>
   void signUp(T &obj, void(T::*call)(int), const std::string
        &username, const std::string &password, const std::string &i);
   void logUser(T &obj, void(T::*call)(int), const std::string
        &username, const std::string &password, const std::string &ip);
     // The function logUser will call the server to check if the
         user exist, if not it will call the callback function with
         an error value set to 1, else it will call with an error
         value set to 0.
   }
```

```
};
    extern PTUser g_PTUser;
```

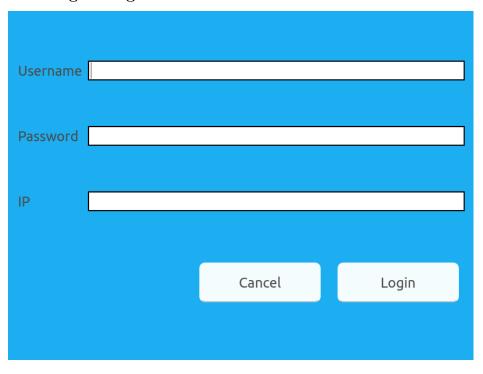
1.2 NETWORK

```
class NetworkServerHandler : public QObject
 Q_OBJECT
private:
 QObject *parent;
 QTcpSocket *_socket;
 std::string _host;
 unsigned int _port;
public:
 NetworkServerHandler(QObject *parent = 0);
  "NetworkServerHandler();
  int start(const std::string &host, unsigned int port); // Launch the
      connection between server and client /\ Return -1 if failed, 0
      if success.
 void setHost(const std::string &); // Set the host of the server
 void setPort(unsigned int); // Set the port of the server
  const std::string &readSocket(); // Read data from server
 void writeSocker(const std::string&); // Write data on server
private slots:
 void readyRead(); // Callback function from QT /\
 void connected(); // Callback function from QT /\ Is called when
      connection has succeed
};
```

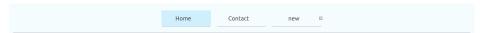
- 1.3 Network Client Handler
- 1.4 Audio Encoder
- 1.5 Audio Handler
- 1.6 Thread
- 1.7 Contact

2 SERVER

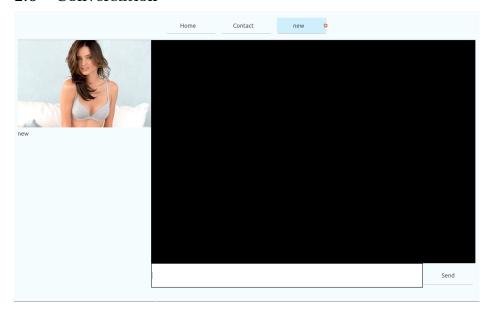
2.1 LoginWidget



2.2 MainWidget



- 2.3 SignupWidget
- **2.4** Home
- 2.5 Contact
- 2.6 Conversation



2.7 Notifications