**Conceptual Model**

* Objects (attributes)
  + User (name, nationality, region, age, role); role can be student, teacher
  + message (date, sender, type); type can be photo, document, text
  + group chat (date of creation, users);
  + video call (date, duration, users);
  + event (local, date);
  + archive ();
* Actions
  + Send, edit, remove message;
  + join, leave, create, share group chat;
  + archive and unarchive group chat;
  + start, join, end video call;
  + edit, remove profile information;
  + create, edit, remove, show interest in event;
  + view other users information;
* Relations between
  + User can send messages,
  + messages have one author,
  + group chat has users,
  + group chat has messages,
  + video call involves 2 or more users,
  + an event has interested users,
  + users can be interested in events,
  + the archive has group chats.

**Functional requirements**

the app should be enable

* Logging in
* Manage message
  + Send text message
  + Send image
  + Send file
  + Edit message
  + Delete message
* Search
  + For messages
  + For colleagues
* Sharing
  + Invite people to group chat
  + Invite people to an event
* Interaction between users
  + Video calls
  + Answering to messages
  + Reacting to messages
* Manage events
  + Create
  + Edit information
  + Remove
  + Show interest in
* Manage group chat
  + Create group chat
  + Add members
  + Remove members
  + Archive group chat

**Task Selection & Usability Requirements**

1. Send a message to a colleague
   1. Efficacy:

All users completed the task, 95% made no more than 2 errors.

* 1. Efficiency:

Average time under 20 seconds, 90% made less than 5 clicks.

* 1. Satisfaction:

Less than 2% unsatisfied, 98% preferred our solution.

1. Add members to a group
   1. Efficacy:

All users completed the task without any hint. 90% made no more than 3 errors.

* 1. Efficiency:

Average time under a minute, task completed with an average of 10 clicks.

* 1. Satisfaction:

Intuitive task, users have shown ease completing the task.

1. Show interest in an event
   1. Efficacy:

Users completed the task, 80% made no more than 2 errors.

* 1. Efficiency:

Average time under a minute, task completed with less than 10 clicks.

* 1. Satisfaction:

The task was easy to learn and to complete.

**Usability Requirements**

* Efficacy
  + All users completed the tasks, 80% made no more than 2 errors, ...
* Efficiency
  + Average time under 30 seconds, 90% made less than 5 clicks, …
* Satisfaction
  + Less than 20% unsatisfied, 80% preferred our solution, ...