

iVibe. iPhone Application

Customer

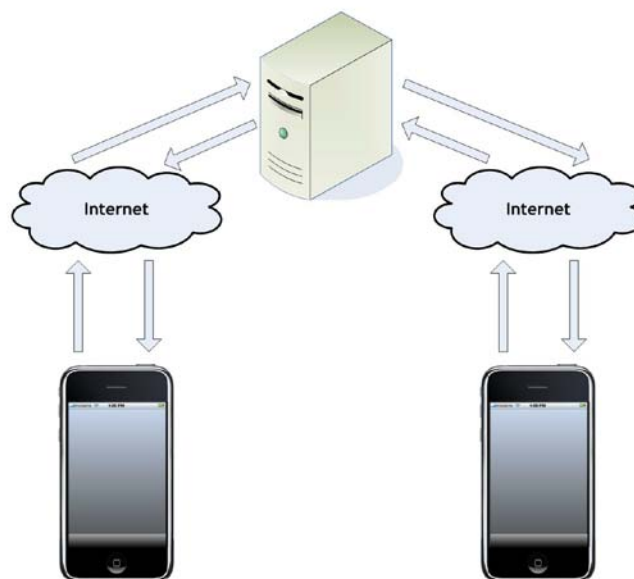
A company selling different web services and solutions.

Aim

To develop the application which allows to connect two iPhones so that the main iPhone (His) could manage the vibration (massage) of the other telephone (Hers). At starting the program the user chooses, in which of the two accounts (His or Hers) he would like to work. Searching of the partner is carried out randomly, and also by a special code (Passcode), in the latter case it is necessary to enter the Passcode belonging to the telephone with Hers account, into the telephone with His account.

Solution

For minimizing of the data transferred between the clients, and also for providing “quick” connection, two channels of connection with the server were created for each user. The first channel is responsible for sending messages from the client to the server, the other one – from the server to the client.



The following algorithms have been realized: of setting the connection P(passive client , the one who will be made a massage), of setting the connection A(active client, the one who will send the message about the massage), of sending MM messages (massage message) , of breaking the connection from the client’s part, of handling errors at breaking the connection from the server part, of handling errors at breaking the connection from the client’s part, of handling errors in exceptional situations arising at handling messages by the server.

Basic functions

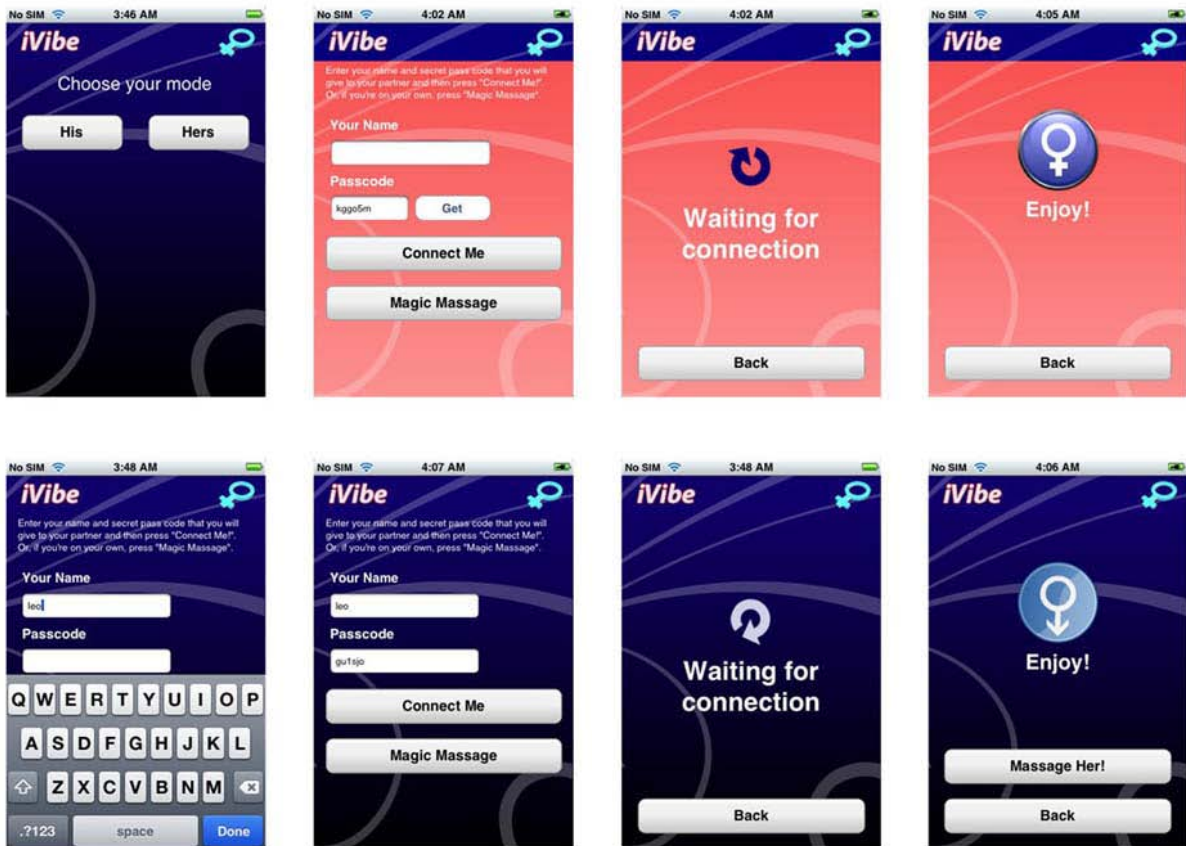
His:

- Searching Her with the help of Passcode.
- Searching available at the moment, random partner (Her).
- Switching vibration at the partner’s telephone by the button Push.
- Entering own name.

Hers:

- Entering her Passcode and expecting a reply from His account.
- Choosing a random partner available at the moment .
- Entering own name.

ScreenShots



Technologies and products used

MaxOS 10.5.4. XCode, iPhone SDK, objective C

Product Title

iVibe

Project capacity

3 man-months