Send Telegram messages via Atvise

Step 1: Install Telegram
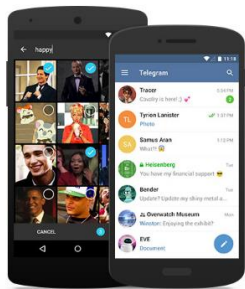
This tutorial is based on the Telegram for Windows application but the same can be achieved directly with the mobile application. Browse https://telegram.org/ to download telegram for windows.

It can also be found in your mobile application store.

A native app for every platform
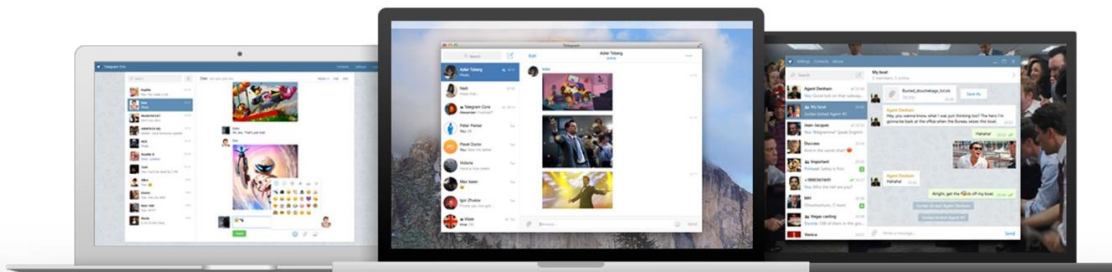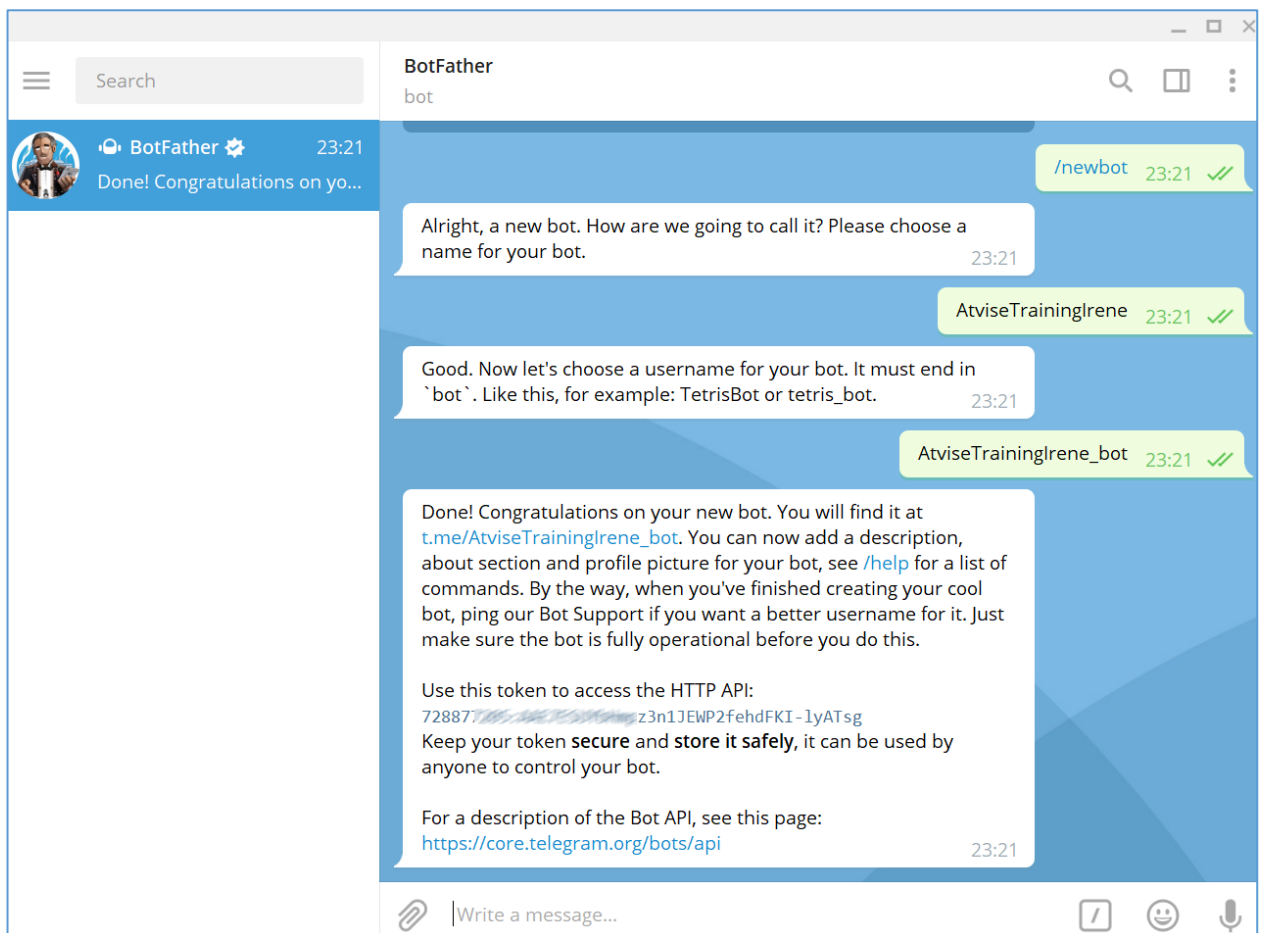
Step 2: Create a new Bot

a) Start Telegram and search for the **BotFather**.
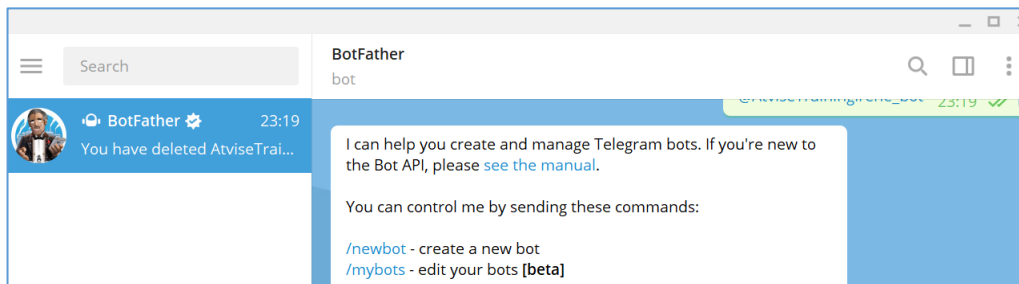
b) Send message "/newbot" to start creation of your bot.
c) Give your bot a name (this must be unique) and then provide a username as prompted.
d) Record the **token** provided which will be needed for access to the Telegram API.
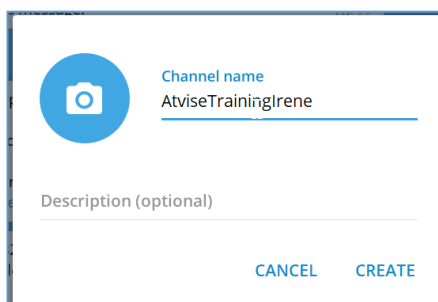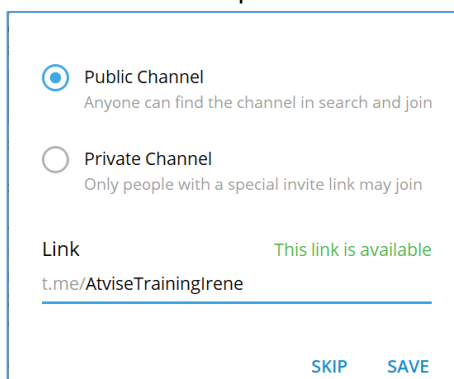
a) The bot is used to send the messages but now we must create a **channel** that users can join and where the messages will be displayed. From the menu select "New Channel"
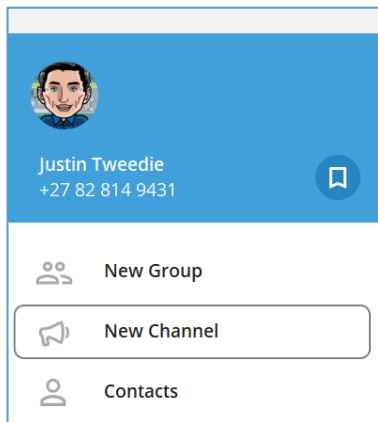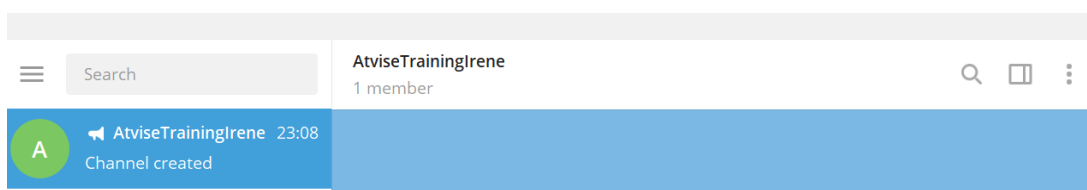

b) Give your channel a unique name.

c) Select "Public" and provide a link name (hint: use the channel name).
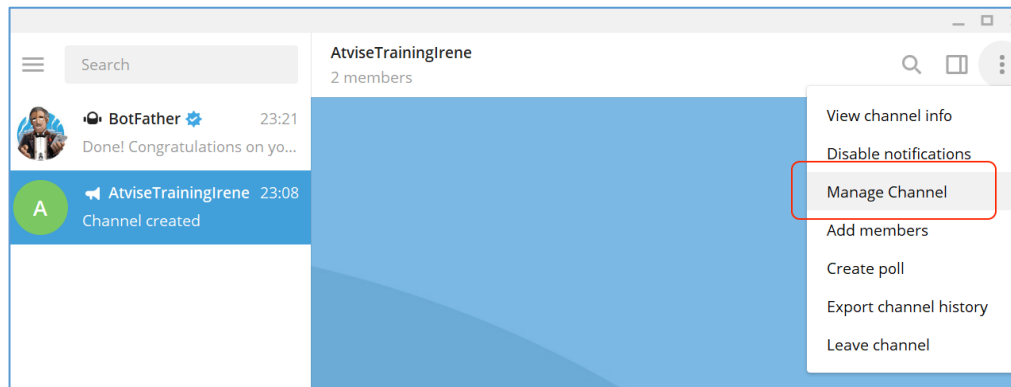

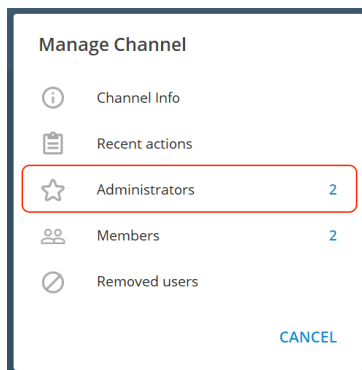d) You have now created a new channel for your Telegram messages.

Step 4: Add your bot as an administrator to the new channel.
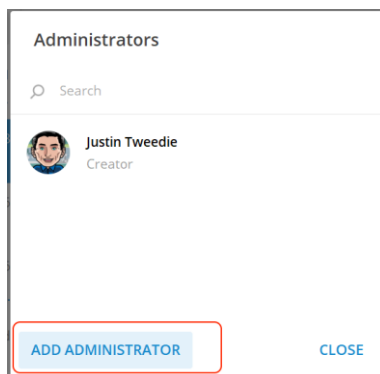
a) To allow the bot to access the channel add it as an administrator.
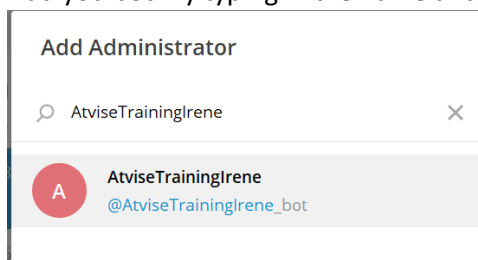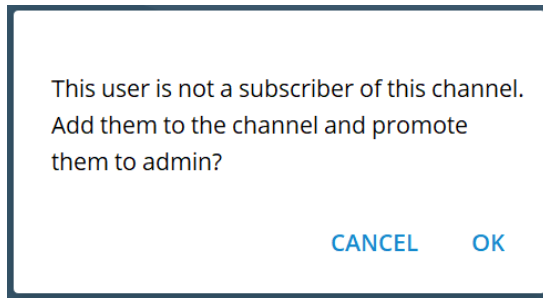

b) Select Administrators

c) Click "Add Administrator"
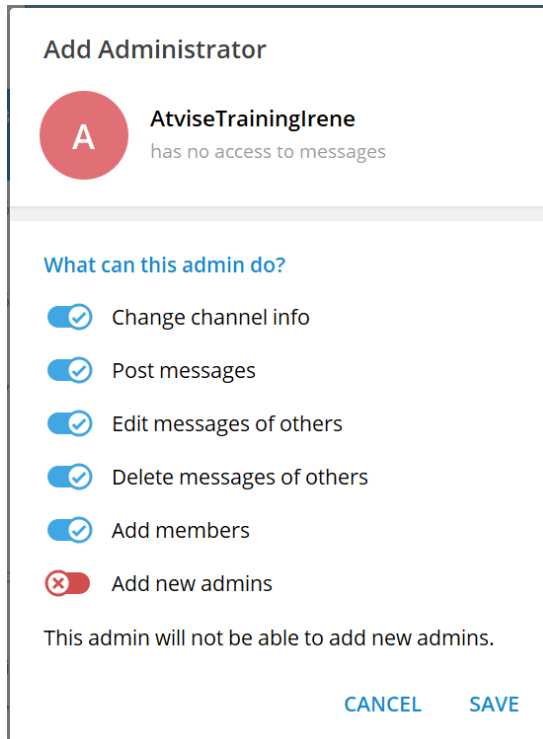

d) Add you bot my typing in the name and then selecting it.

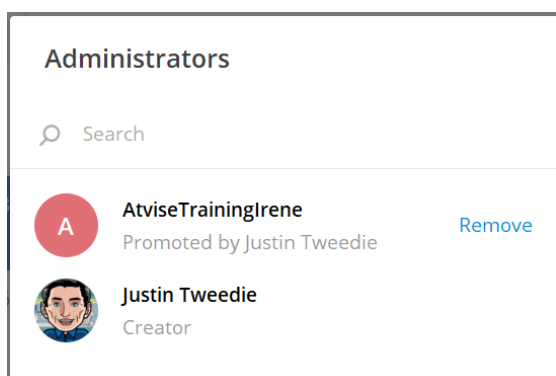e) When prompted promote your bot to admin of the channel.

This user is not a subscriber of this channel. Add them to the channel and promote them to admin?

CANCEL   OK

f) Save the options presented

Add Administrator

A   **AtviseTrainingIrene**
         has no access to messages

What can this admin do?

- ✓ Change channel info
- ✓ Post messages
- ✓ Edit messages of others
- ✓ Delete messages of others
- ✓ Add members
- ✗ Add new admins

This admin will not be able to add new admins.

CANCEL   SAVE

g) Your bot is now an administrator of the channel and can be used to send messages and other interactions with the channel.

Administrators

🔍 Search

A   **AtviseTrainingIrene**   Remove
         Promoted by Justin Tweedie

     Justin Tweedie
     Creator

Step 5: Write the Atvise script to send messages using your bot.

a) In Atvise we can now call the Telegram API in order to generate a message.

```
//Get the base address string
var nodeId = base.nodeid;

//Read message from a Atvise Node value
var Message = new UaNode(nodeId + ".Message").value;

//eccode the message
var msgText = encodeURIComponent("Message:* "+ Message);

//Send Telegram Messages
var http = new HTTPClient();
http.get("https://api.telegram.org/bot<token>sendMessage?chat_id=@<channel>&parse_mode=Markdown&text="+msgText);
```

b) Note the use of "encodeURIComponent" to encode your message string.
c) The typical structure in Atvise for this example is shown in the image below. Set your message in the message node and use toggle the value of SendMessage to write to Telegram.
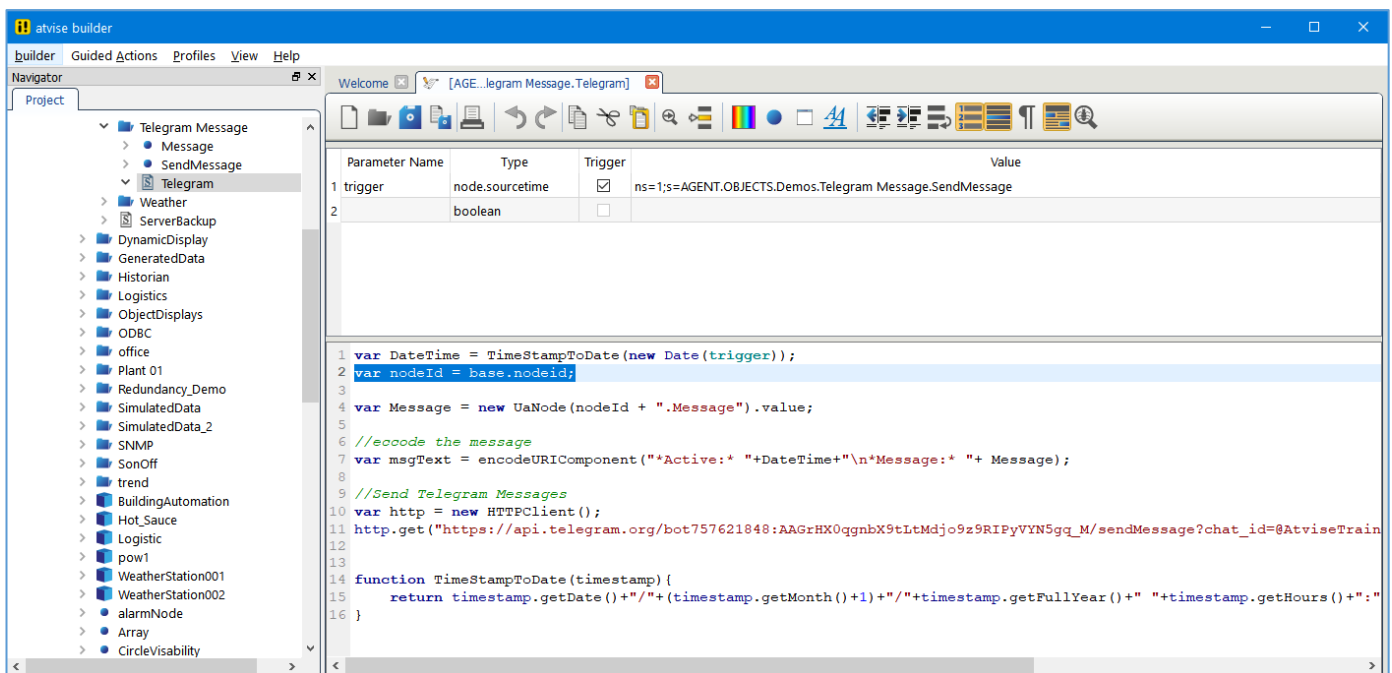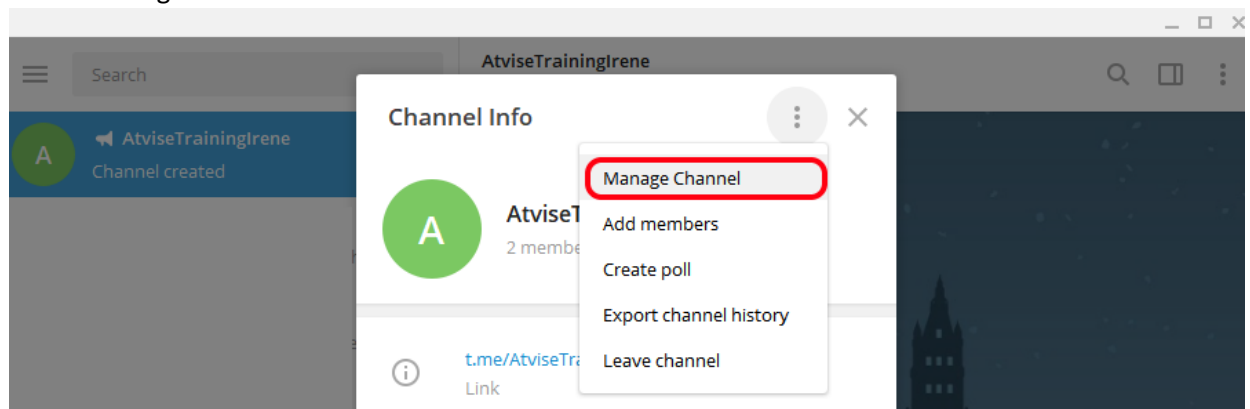
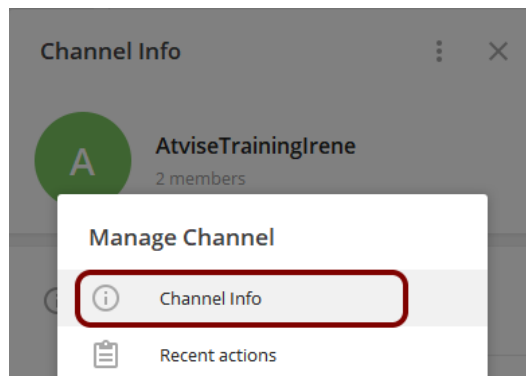## Step 6: Set to Private and create a user Subscribe link.

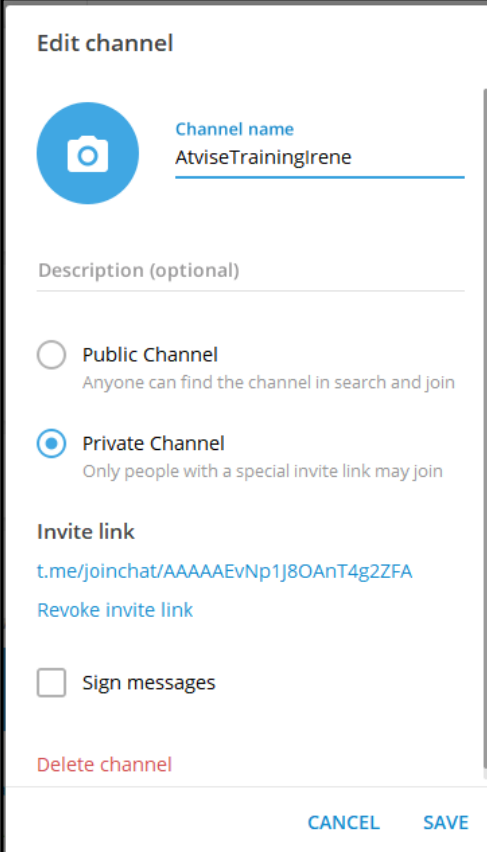a) Select the channel created and from the drop down menu choose "View Channel Info"
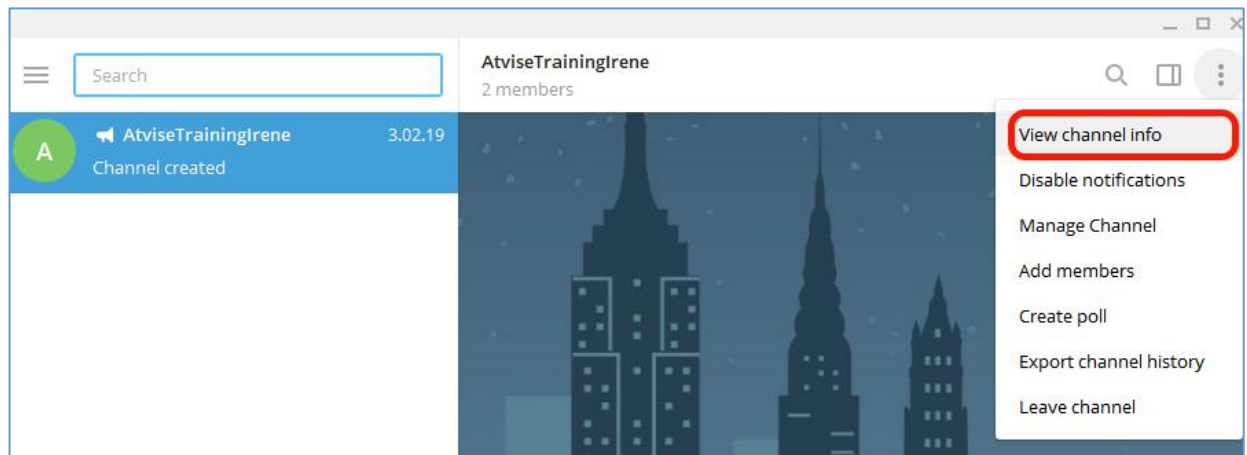
b) Select Manage Channel

c) Select Channel INfo

d) Change the channel to "Private Channel" and copy the **Invite Link** for the next step.

e) Now the Invite Link URL can be used on an Atvise graphic with a Simple Dynamic and a script action line as show below.

top.location = "https://t.me/joinchat/AAAAAFHpnlnRO6fXrdbbwQ";

f) Messages Away!