

Project : Remote presence robot

RobAIR

→ Adding a new tweeting feature

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1st version in PHP :

- TwittOAuth Library

```
$connection = new TwitterOAuth(CONSUMER_KEY, CONSUMER_SECRET, OAUTH_TOKEN, OAUTH_SECRET);
$content = $connection->get('account/verify_credentials');

$connection->post('statuses/update', array('status' => 'My new status update!'));

$media1 = $connection->upload('media/upload', ['media' => 'RobAIR.png']);
$parameters = [
    'status' => 'Tweeting from #RobAIR',
    'media_ids' => implode(',', [$media1->media_id_string]),
];
$result = $connection->post('statuses/update', $parameters);
```



JavaScript

API
Twitter

Server

Client



```

app.post('/tweet', function(req, res) {
  // Remove header
  var base64Image = req.body.avatar.split(';base64,').pop();
  fs.writeFile('tweet.png', base64Image, {
    encoding: 'base64'
  }, function(err) {
    if (err) throw err;
    console.log('tweet.png saved');
  });

  // first we must post the media to Twitter
  T.post('media/upload', {
    media_data: base64Image
  }, function(err, data, response) {
    // now we can assign alt text to the media, for use by screen readers and
    // other text-based presentations and interpreters
    var mediaIdStr = data.media_id_string
    var altText = "Small flowers in a planter on a sunny balcony, blossoming."
    var meta_params = {
      media_id: mediaIdStr,
      alt_text: {
        text: altText
      }
    }

    res.end();
    // document.body.style.backgroundColor = "red";
    // var image = document.getElementById("imgElem");
    // img.setAttribute('src', req.body.avatar);
  });
}

```

```

T.post('media/metadata/create', meta_params, function(err, data, response) {
  if (!err) {
    // now we can reference the media and post a tweet (media will attach to the tweet)
    var params = {
      status: 'loving life #nofilter',
      media_ids: [mediaIdStr]
    }

    T.post('statuses/update', params, function(err, data, response) {
      console.log(data)
    })
  } else {
    console.log(err);
  }
})
// send code OK
res.sendStatus(200);
res.end();
});

```

```

document.getElementById('tweet');
, tweet, false);

```

Optimizing interface according to the scenario :



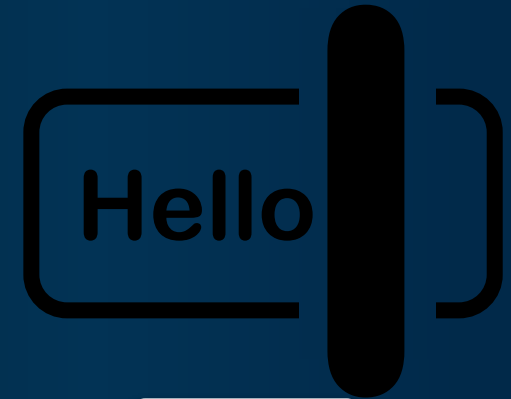
Countdown



Post
confirmation
by user



Display
Tweet



Custom
Tweet

Further improvements :

- Face recognition Face Tracker
- Gesture detection (Intel Movidius processor)