

Chat Widget

- Based on Opera Widget template
- Will use messaging library for networking
- Everyone download Opera 9.2 so we can try it!

<http://jp.opera.com/download>

Ajax Messaging Library

<http://henrikfalck.com/messagelib/>

–Facilitates sending data between clients

Clients “connect” to a service

All messages sent are broadcast to all connected clients

Polling, encoding, decoding, dispatching, etc handled by the library!

Ajax Messaging Library

<http://henrikfalck.com/messagelib/>

–JavaScript library (message.js)

Php backend (message.php, message.inc, message.conf)

Uses Sqlite for storage

Doesn't require installation or running any special service on the server!

Ajax Messaging Library

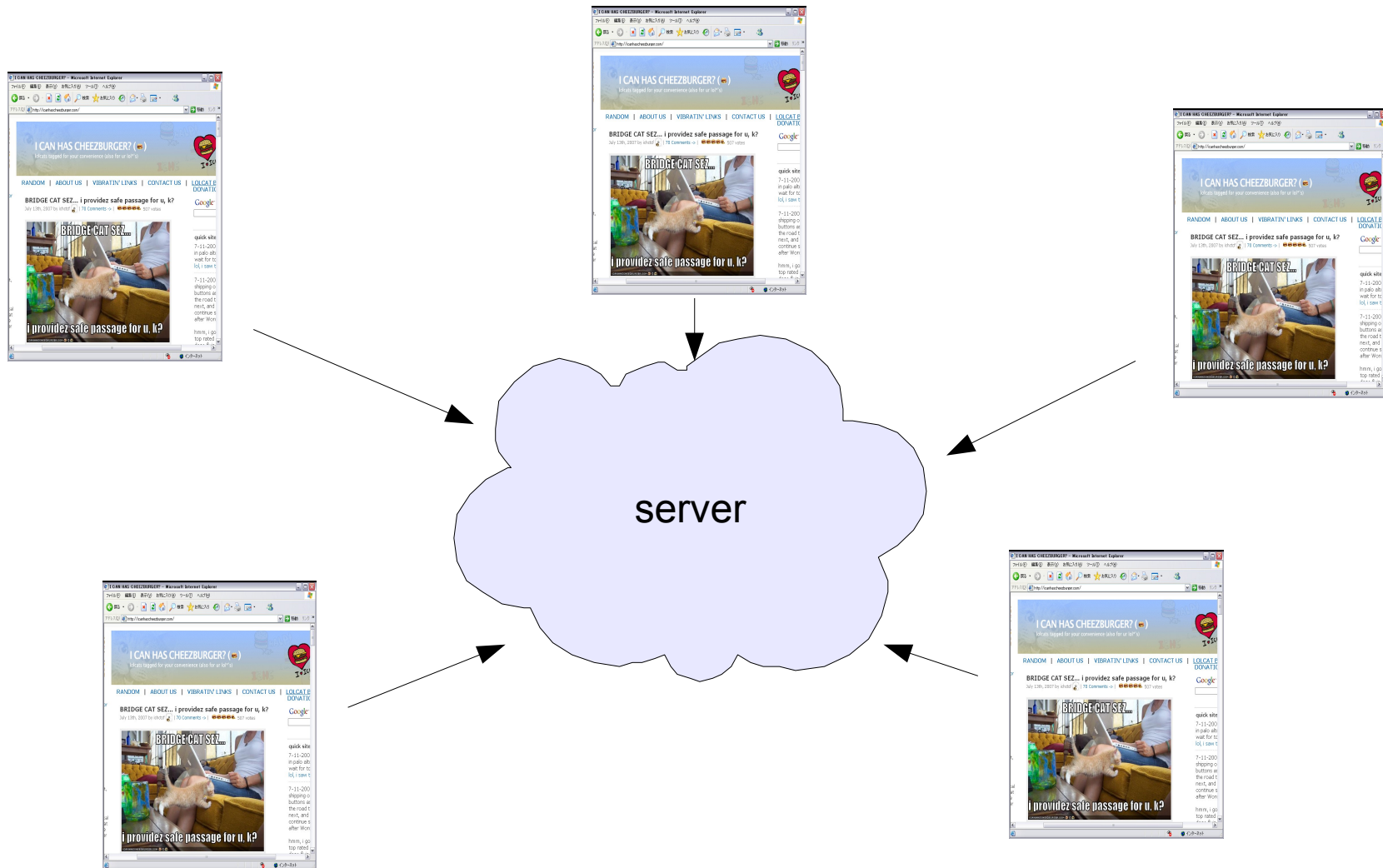
<http://henrikfalck.com/messagelib/>

```
var messenger = Messenger.Create("http://henrikfalck.com/messagelib", "chat", {  
    dispatch: onMessageReceived // callback function when message is received  
});  
  
messenger.start(); // connects to service and starts listening for messages  
  
messenger.send("こんにちは"); // sends message  
  
function onMessageReceived(senderId, msg) {  
    alert(msg);  
}
```

Ajax Messaging Library

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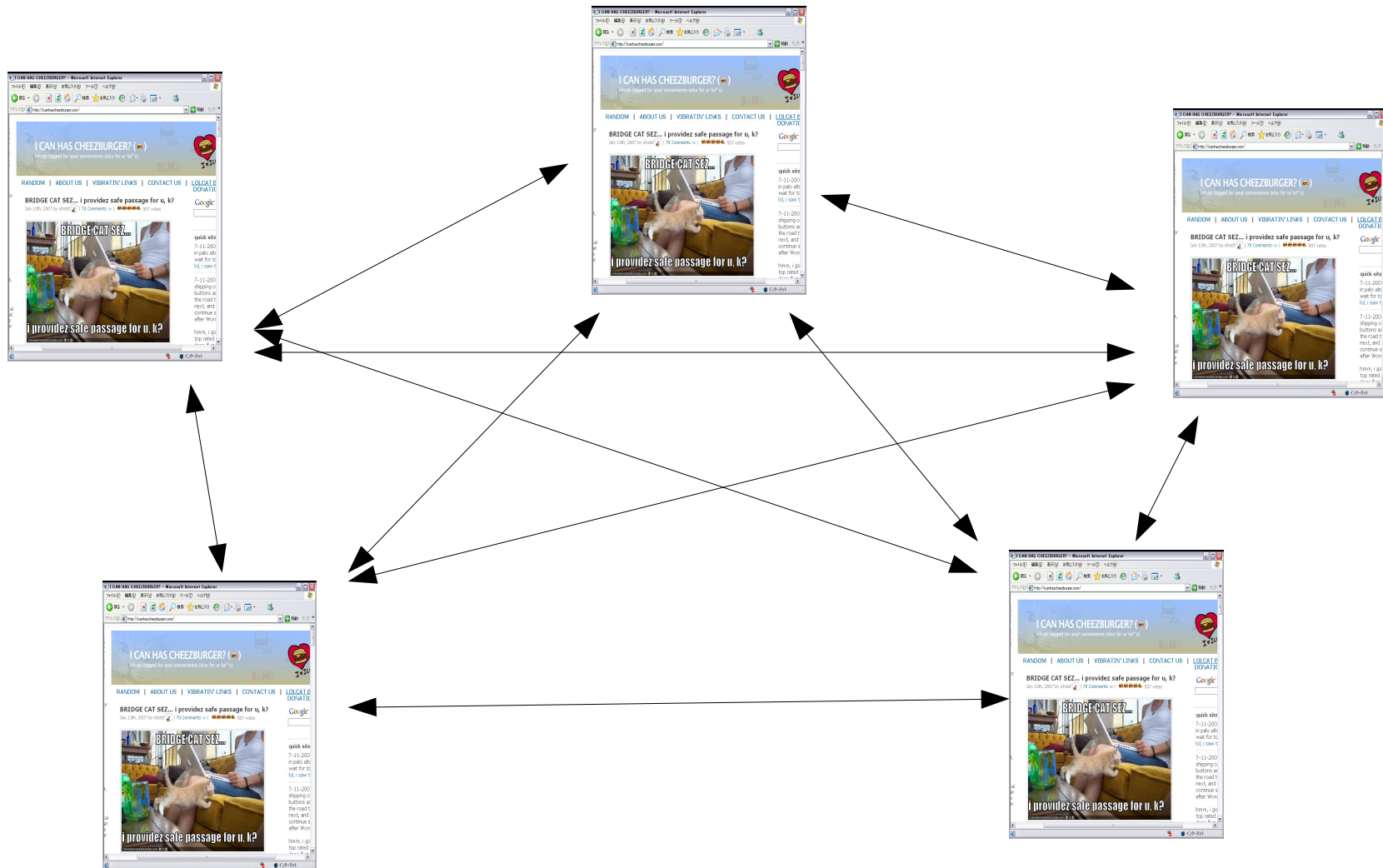
Web browsers/widgets push & pull data from server



Ajax Messaging Library

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But it feels like the clients are broadcasting to each other!



Ajax Messaging Library

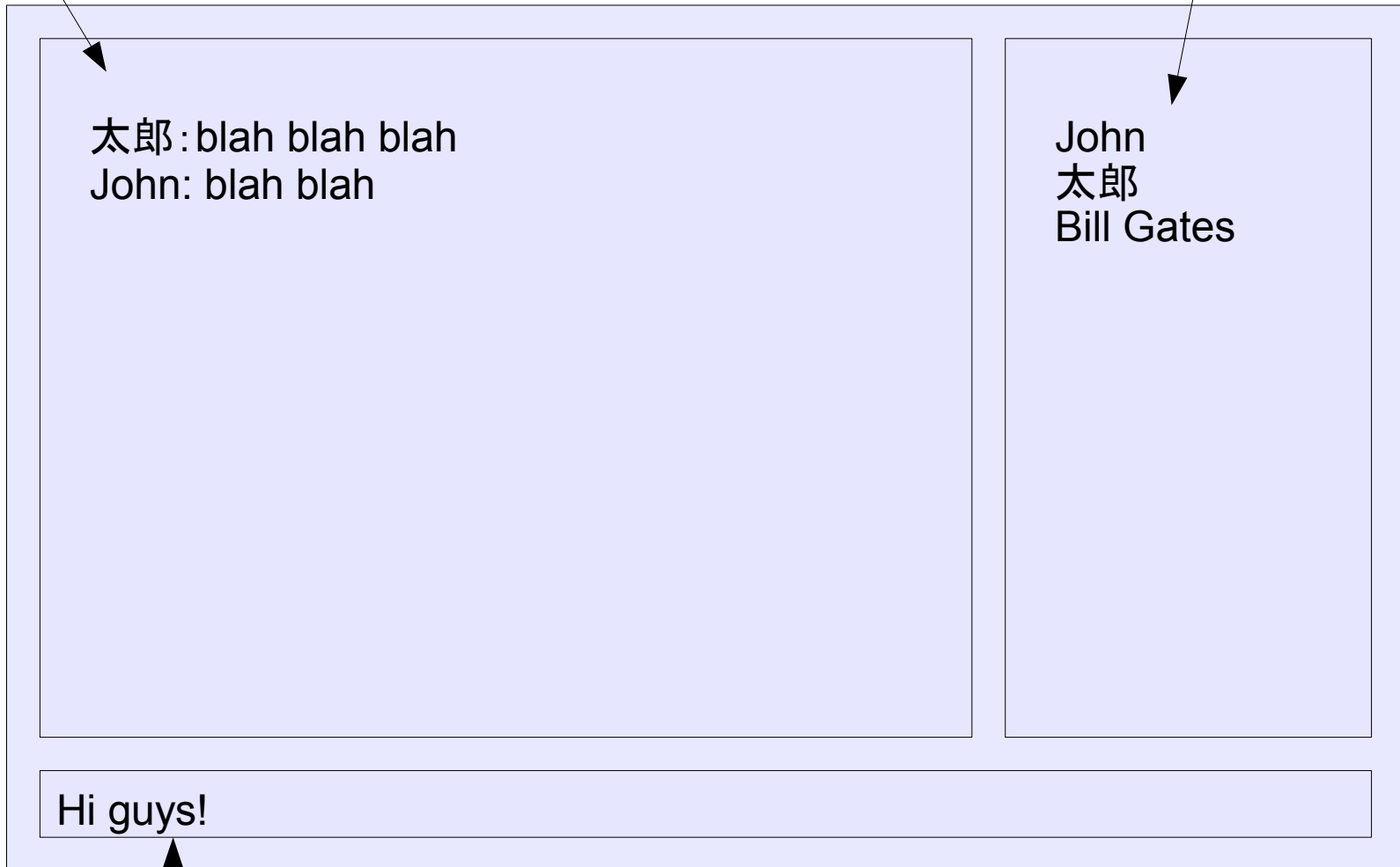
<http://henrikfalck.com/messagelib/>

- Enables interaction between users
 - On the same page/site
 - Across pages & sites!
- Examples of applications:
 - Chat
 - Paint (based on code from <http://paintmyblog.com/>)
 - Games
 - etc

Chat Widget

output

people connected



太郎: blah blah blah
John: blah blah

John
太郎
Bill Gates

Hi guys!

input

Chat Widget

- **Widget template**
<http://my.opera.com/community/dev/widgets/resources/>
- **Ajax Messaging Library**
<http://henrikfalck.com/messagelib/>
- **This presentation & finished widget**
<http://henrikfalck.com/cssnite/>