Movement-based Location Computation on World Wide Web

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Geopher Movement-based Location Computation Engine

Movement-based location computation on the World Wide Web refers to the process of determining and tracking the geographical location of a computer user or device in real-time using movement-related data. This technology relies on various sources such as GPS, Wi-Fi signals, and sensor data to accurately determine the computer user's position. The goal is to enhance location-aware services and applications, providing computer users with context-aware information and personalized experiences based on their current physical location. Movement-based location computation has become increasingly important for applications like navigation, location-based advertising, and social networking. However, it also raises privacy concerns, necessitating the implementation of robust security measures to protect computer user information. Overall, movement-based location computation on the World Wide Web plays a crucial role in shaping the future of location-based services and improving the computer user experience in the digital realm.

Location Search can be used to efficiently negotiate and identify the location between two persons and services on the Internet. Before entering the price, one can view past locations that people have paid simular amounts of money for and see proof of the location such as a selfie with the person.

One can also use `https://geopher.com/location/name/search/` to search by email address, price, availability and time period.

If oka@oka.no wants to know where in the world pnorvig@google.com is, oka@oka.no goes to the web page `https://geopher.com/location/name/submit/` and submit a location search request proposal to pnorvig@google.com.

The initiator oka@oka.no enters his own email address oka@oka.no, the interesting email address of the party pnorvig@google.com, the price oka@oka.no is willing to pay for a meeting and the time period that oka@oka.no is interested in knowing the location of pnorvig@google.com.

The initiator oka@oka.no clicks Submit on `https://geopher.com/location/name/submit/` and the price 5 USD and period of the next hour, day, week, month or year.

The first email is sent to pnorvig@google.com with the email address of oka@oka.no, the price of 5 USD that oka@oka.no is willing to pay and the period of the next 1 hour that he is interested in knowing the location of pnorvig@google.com.

In the email sent to pnorvig@google.com, the following link is provided for pnorvig@google.com to click on: `https://geopher.com/location/name/locate/?id=abcdefghijklmnopqrs`

pnorvig@google.com clicks `https://geopher.com/location/name/locate/?id=abcdefghijklmnopqrs` in the email and the following information is presented to him: Location Request from oka@oka.no [Accept | Ignore | Negotiate | Cancel]

If pnorvig@google.com clicks on [Accept], he is taken to a page using the W3C geolocation API that queries the browser for the location of pnorvig@google.com.

If pnorvig@google.com chose to Accept the location, he can enter if he is interested in knowing oka@oka.no too (free, mutual sharing or paid), and the following email is sent to oka@oka.no.

"You were interested in the location of pnorvig@google.com and he also wanted to know your location, so please click on the following link to Accept, Ignore, Negotiate or Cancel the request:"

oka@oka.no clicks `https://geopher.com/location/name/accept/?id=abcdefghijklmnopqrs` in the email and the following information is presented to him: Location Request from pnorvig@google.com [Accept | Ignore | Negotiate | Cancel]

If pnorvig@google.com also is interested in knowing the location of oka@oka.no, no price is paid, but oka@oka.no is presented with the following website: oka@oka.no clicks (https://geopher.com/location/name/mutual/?id=abcdefghijklmnopqrstuvwxyz

After oka@oka.no have clicked on the mutual location link above, the following email is sent to pnorvig@google.com: "You were interested in the location of oka@oka.no mutually, and since you have already shared the location, please click on the following link to view the location of oka@oka.no and pnorvig@google.com. pnorvig@google.com clicks `https://geopher.com/location/name/mutual/?id=abcdefghijklmnopqrs` and is presented with:

oka@oka.no is in Redwood, 22.14 km away from pnorvig@google.com, available in 45 minutes

If pnorvig@google.com is interested in knowing the location of oka@oka.no and want to be paid, oka@oka.no is sent an email with the following website: oka@oka.no clicks `https://geopher.com/location/name/charge/?id=abcdefghijklmnopqrstuvwxyz`

Before oka@oka.no is taken to actually view the location of pnorvig@google.com, oka@oka.no is taken to www.paypal.com with the email pnorvig@google.com as recipient of the payment.

When www.paypal.com has verified the payment, oka@oka.no is taken to a new web site with a "result" link.

oka@oka.no clicks `https://geopher.com/location/name/result/?id=abcdefghijklmnopqrstuvwxyz`

The following information is presented to oka@oka.no:

pnorvig@google.com is at Mountain View, California, 5223.7 km away from oka@oka.no, available in 15 minutes

When oka@oka.no and pnorvig@google.com is approximately in the same position, oka@oka.no and pnorvig@google.com is presented with a Confirm action and the matching object is uploaded to `https://geopher.com/location/name/search/?id=abcdefghijklmnopqrstuvwxyz`