

then identify friends who are online and initiate conversation. We v

## An Instant Messenger Application based on OpenHash

platform that provides an interface for a presence detection engine, so an independent

DHTs are still very much a research topic in the academia. Keeping a DHT running

The problem with this notification scheme is that if, for example, Lisa is c

*key* *value*

Username + "s buddy list"

buddy list but Milhouse is not on Lisa's buddy list, then Milhouse would not receive

In addition to these basic methods, we defined abstract methods: `signOnPost` and

the design extensible enough however that security could be added by developers later if they wanted it. For example, right now it would be very easy for one buddy to impersonate

While OHIMlib provides methods for storing and retrieving serialized buddy lists and

another by learning and hacking our protocol. However, if a developer wanted to make this