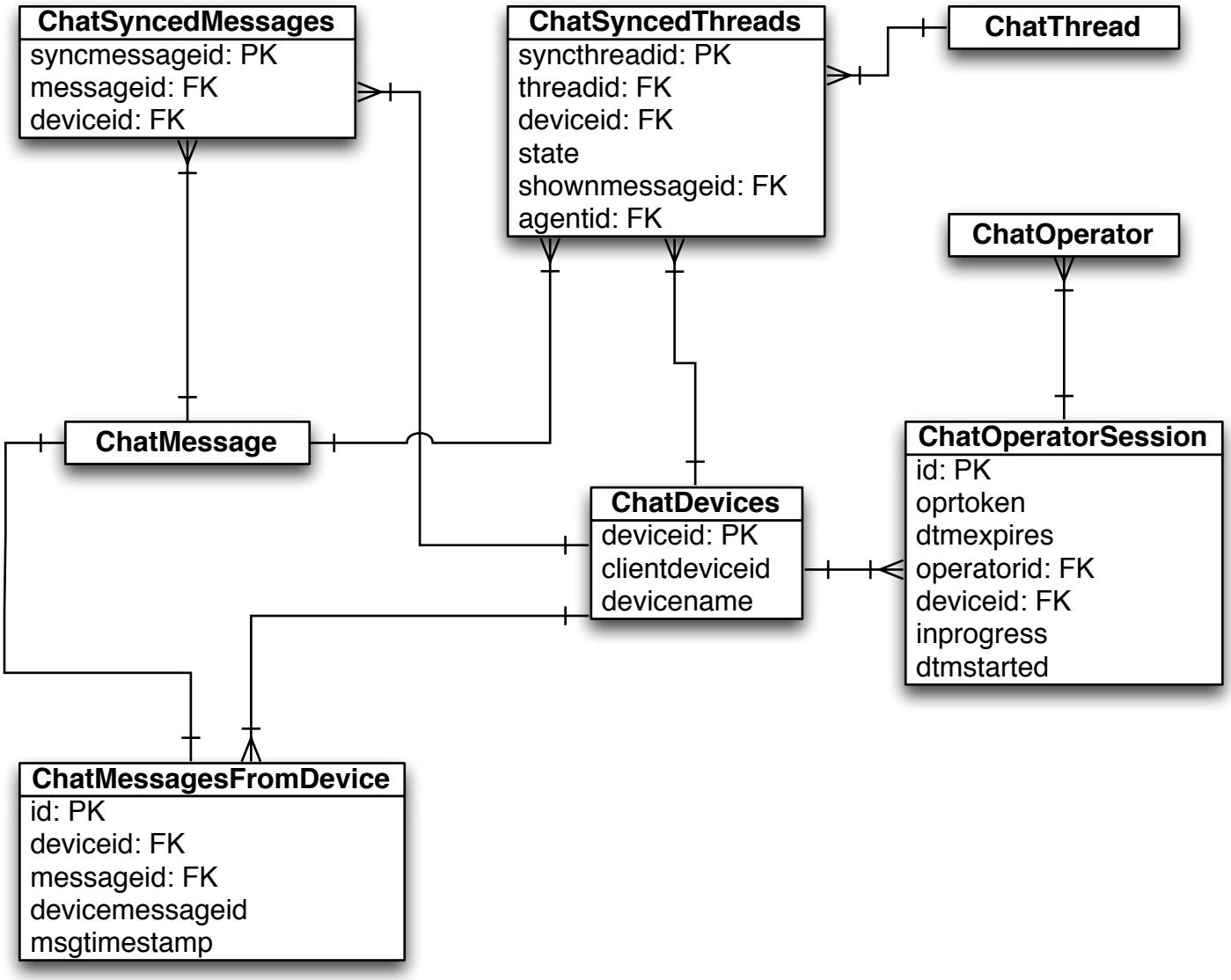
Tables Added for Mibew Mobile

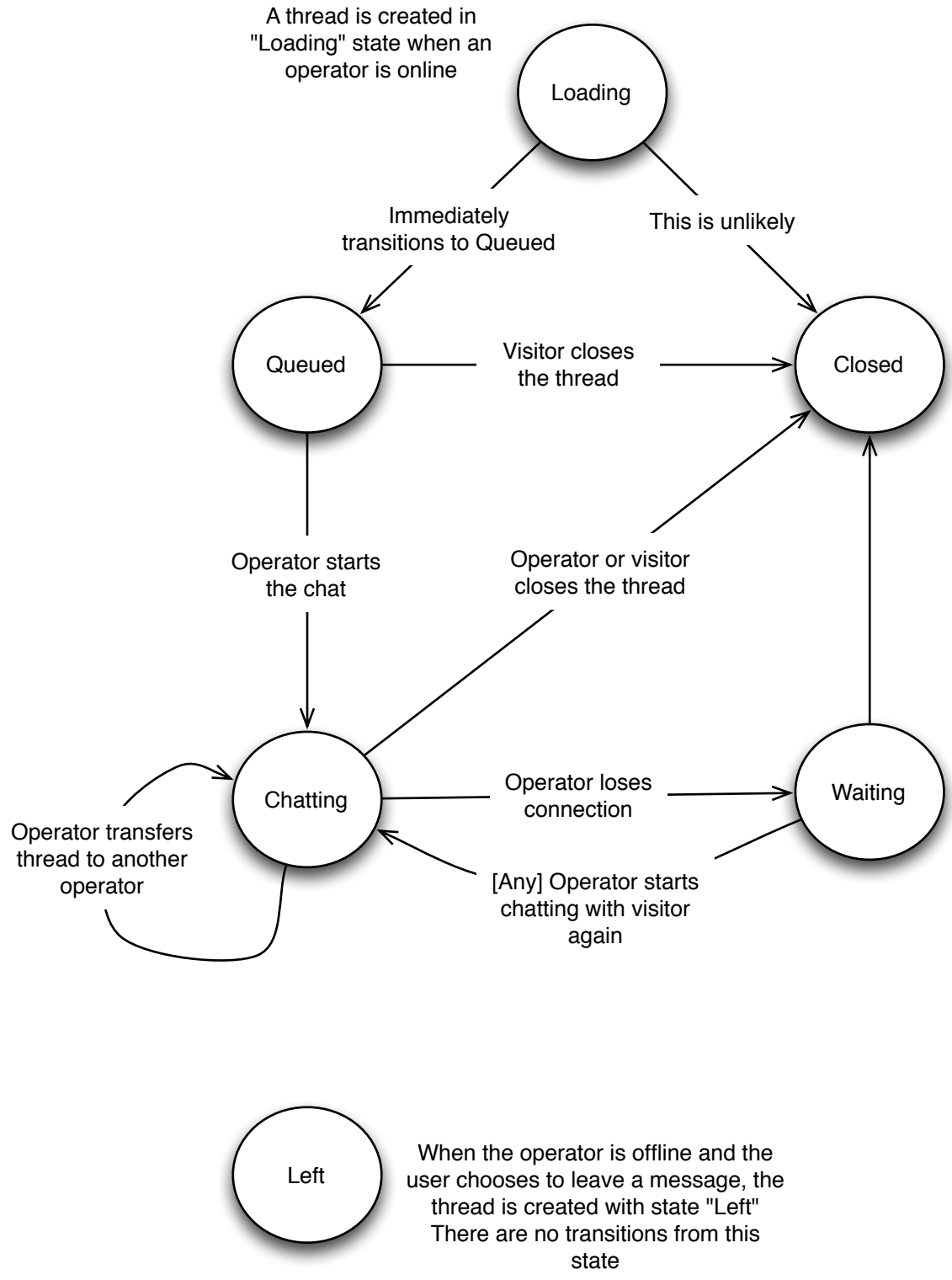


Legend & Notes:
- PK = primary key
- FK = foreign key

- The biggest requirement was that Mibew Mobile plugs directly into the Mibew database and code without making any changes, such that Mibew can be updated irrespective of the Mibew Mobile plugin. That said, no Mibew tables where modified
- The operator session table keeps track of the operator's per-device session. Given what I know now about session management with cookies, this can be vastly improved.
- There is a potential sync issue when a message is posted from the operators device. If a timeout occurs and the device sends the message again, the message will be posted in duplicate. This is an area that can benefit from integrating the mobile (client) interface with the main code.
  Looking forward to Mibew 2.x APIs

Author: Eyong Nsoesie
4 September 2014

Mibew Chat Thread State Diagram



Author: Eyong Nsoesie
4 September 2014

MibewMob (Mibew Mobile) Client Interface Documentation for v 1.6.x

In order to use the Mibew Mobile app against a Mibew 1.6.x installation, a new interface was created for the app to communicate with the server. This can be found in the <mibew>/mobile folder. Below is a brief description of the interface and its parameters

Command (cmd)	**Req Type**	**Parameters**	**Notes**
isalive	GET	• apiver	e.g cmd=isalive&apiver=1003
login	GET	• username • password • deviceuuid	
logout	GET	• oprtoken	
visitorlist	GET	• oprtoken • activevisitors • stealth	activevisitors is a JSON array of active chatthread ids that have been sync'ed to the device . This returns a list of threads that have changed since the last sync to the device.
visitornotification	GET	• oprtoken • activevisitors • stealth	This returns true if there is a change of thread state since the last sync to the device. It is basically the same logic as visitorlist, only that the list is not returned.
startchat	GET	• oprtoken • threadid • token • viewonly • force	
newmessages	GET	• oprtoken • threadid • token • typed	Retrieves new messages that have not yet been sync'ed to the device
syncserveroperator	GET	• oprtoken	Retrieves the server and operator info for sync'ing to the device
synccannedmessages	GET	• oprtoken • cannedmsghashes	cannedmsghashes is a semi-colon delimited list of chatresponse ids and CRC hashes, e.g 1,CRC1;2,CRC2;6,CRC3
postmessage	POST	• oprtoken • threadid • token • messageidl • message	messageidl (l for local) is the unique messageid from the device database. It is useful for sync'ing

closethread	POST	• oprtoken • threadid	
ack-messages	POST	• oprtoken • messageids	messageids is a comma-separated list of server messageids. This is to acknowledge that the messages where received by the device

Other Noteworthy Points

1. All responses are JSON-encoded.

2. When a POST request is issued, the parameters are not passed as request parameters with the URL. Instead, the request parameters are passed in the body of the request as JSON objects. For example, the request for ack-messages will be:

```
{
      "cmd":"ack-messages",
      "oprtoken":"ABCDEF",
      "messageids":"7,8,9,10,11"
}
```

3. The "Content-Type" header of the POST request should be set to "application/json"