**CypherSydekick Server API**

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**Add New User**

Adds a new user to the database.

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| **Request Path** | /users | |
| **Request Parameters** | username | Username of new user to add |
| **Response Format** | Success | Status 200 OK  Body contains description (text/plain) |
| Failure | Status 500 Internal Error  Body contains error message (text/plain) |

**Send a Message**

Posts a message to be sent to a user.

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| **Request Path** | /messages | |
| **Request Parameters** | action | send |
| recipient | Username of user who will receive the message |
| sender | Username of user who is sending the message |
| **Request Body** | Message to send (text/plain) | |
| **Response Format** | Success | Status 200 OK  Body contains description (text/plain) |
| Failure | Status 500 Internal Error  Body contains error message (text/plain) |

**Receive a Message**

Requests a message for the given recipient from the given sender.

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| **Request Path** | /messages | |
| **Request Parameters** | action | receive |
| recipient | Username of user who is receiving a message |
| sender | Username of user who has sent a message |
| **Response Format** | Message Available | Status 200 OK  Body contains message text (text/plain) |
| No Messages Available  (for given receiver from given sender) | Status 550 (custom status code)  Body contains error message (text/plain) |
| Failure | Status 500 Internal Error  Body contains error message (text/plain) |