**Host:** localhost
**Port:** 11000
**Transmission Encoding:** TCP
**Data Encoding:** Text

*Register function:*
    Request: REGISTER%%$username%%$password
Response: ADDED
or
Response: USERNAME_TAKEN
or
Response: INVALID_PASSWORD
or
Response: INVALID_USERNAME

*Login function:*
    Request: LOGIN%%$username%%$password
Response: SUCCESSFUL
or
Response: FAILED
or
Response: INVALID_REQUEST
or
Response: INVALID_USERNAME
or
Response: INVALID_PASSWORD

*Send Email function:*
    Request: SEND%%$recipient%%$subject%%$content
Response: EMAIL_SENT
or
Response: USER_NOT_FOUND
or
Response: FAILED
or
Response: INVALID_REQUEST

*List Received Emails:*
    Request: LIST_RECEIVED

Response: $id%%$sender%%$subject%%$timestamp

or

Response: NO_EMAILS_FOUND

*List Sent Emails:*

Request: LIST_SENT

Response: $id%%$recipient%%$subject%%$timestamp

or

Response: NO_EMAILS_FOUND

*Search Received Emails:*

Request: SEARCH_RECEIVED%%$type%%$keyword

$type = subject or sender

Response: $id%%$sender%%$subject%%$timestamp

or

Response: NO_EMAILS_FOUND

*Search Sent Emails:*

Request: SEARCH_SENT%%$type%%$keyword

$type = subject or recipient

Response: $id%%$recipient%%$subject%%$timestamp

or

Response: NO_EMAILS_FOUND

*Read Email:*

Request: READ%%$id

Response: EMAIL_CONTENT%%$sender%%$subject%%$message%%$timestamp

or

Response: EMAIL_NOT_FOUND

or

Response: INVALID_REQUEST

*Logout function:*

Request: LOGOUT

Response: LOGGED_OUT

or

Response: INVALID_REQUEST

*Exit function:*

Request: EXIT

Response: GOODBYE