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Technical Specifications

Requirements

Come up with a specification for your

(1) Datastore models,

Patron Object:

userid: string

username: string

server_url: string

chatroom_name: string

(2) anything you plan to store persistently on the client, and

Patron Object:

userid: string

username: string

server_url: string

chatroom_name: string

Message Object:

sender: string

message: string

(3) protocols / APIs that you will use between your HTML5 app and App Engine app.

API

SleekXMPP (Client Library for Python)

Push Notification

Adrenaline Web Push

Channel API

Protocols

/chat

GET -> none

returns -> username: string, userid: string

Returns the randomly generated username and the session id to the user. Used to create a new chat instance.

POST -> userid: string

returns -> username: string, [message1, message2, ..., messageN]

Returns the username and a chatlog to display.

/send

POST -> userid: string, message: string

returns -> response: string

Returns a response as an success or failure message, along with the reason for failure.

/change_name

POST->userid: string, username: string

returns-> final_username: string

Returns the final username, either the proposed change, filtered change, or original username if error occurred.