URI Patterns and Documentation

This document describes the URI patterns for the RESTful Cofano Coffee Corner application and offers documentation respectfully.

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General

GET /

Description	The root of the application.
Return type	TEXT/JSON

GET /rest

Description	The root for all RESTful URI requests.
Return type	NULL

Page
GET /rest/page

Description	The root for all pages.There is a branch for each entry in the navigation bar on the website. Accessing these branches will return the information required to fill the document.
Return type	NULL

GET /rest/page/default

Description	Produces the JSON containing all information that is similar on all pages, such as navigation bar information, icon information, background URLs etc.
Return type	TEXT/JSON

GET /rest/page/dashboard

Description	Produces the JSON containing all information on the dashboard page. This is it's page specific information, such as headers, image URLs, dashboard cards etc.
Return type	TEXT/JSON

GET /rest/page/chat

Description	Produces the JSON containing all information on the chat page. This is it's page specific information, such as headers, image URLs etc. On the initial load, the latest 25 messages are loaded. If the user scrolls to the top of the stack and presses the button to load more, an additional 25 are loaded.
Return type	TEXT/JSON

GET /rest/page/bulletin

Description	Produces the JSON containing all information on the bulletin page. This is it's page specific information, such as headers, image URLs etc. On the initial load, the latest 25 bulletins are loaded. If the user scrolls to the bottom of the stack and presses the button to load more, an additional 25 are loaded.
Return type	TEXT/JSON

GET /rest/page/event

Description	Produces the JSON containing all information on the upcoming events page. This is it's page specific information, such as headers, image URLs etc. On the initial load, all upcoming events (i.e. all events from now) are loaded. If the user scrolls to the bottom of the stack and presses the button to load more, the events from the past month are loaded.
Return type	TEXT/JSON

GET /rest/page/login

Description	Produces the JSON containing all information on the login page. This is it's page specific information, such as headers, image URLs etc. This page is the first shown to the user prior to his/her log in.
Return type	TEXT/JSON

Chat

POST /rest/chat [?author=<authorId>]

Description	Consumes a message in JSON, sanitizes it, validates the specified 'authorId' and broadcasts to all subscribed clients.
Input type	TEXT/JSON

PUT /rest/chat [?id=<mid>]

Description	Marks the specified message as starred (unless already so, in which case it will be marked as un-starred), and broadcasts the new message to all subscribed clients.
Input type	TEXT/JSON

GET /rest/chat/starred

Description	Produces the JSON containing all starred messages.
Return type	TEXT/JSON

GET /rest/chat/messages [?min=<min>&max=<max>]

Description	Produces the JSON containing all messages. If the min and max parameters are given, the messages on the interval they describe are returned.
Return type	TEXT/JSON

Bulletins

GET /rest/bulletins [?min=<min>&max=<max>]

Description	Produces the JSON containing all bulletins. If the `min` and `max` parameter is given, the bulletins on the interval they describe are returned.
Return type	TEXT/JSON

POST /rest/bulletins [?author=<authorId>]

Description	Consumes a new bulletin in JSON format, sanitizes it, validates the specified 'authorId' and broadcasts to all subscribed clients.
Input type	TEXT/JSON

DELETE /rest/bulletins [?id=<id>]

Description	Deletes a bulletin given its id.
Input type	-

Events

GET /rest/events [?min=<min>&max=<max>]

Description	Produces the JSON containing all upcoming events. If the `min` and `max` parameters are given, the events within that range are returned.
Return type	TEXT/JSON

GET /rest/events/daily

Description	Produces the JSON containing all of today's events.
Return type	TEXT/JSON

GET /rest/events/participants [?id=<id>]

Description	Produces the JSON containing all the participants of the event with id equal to *<id>*.
Return type	TEXT/JSON

POST /rest/events/subscribe [?userId=<userId>&eventId=<eventId>]

Description	Subscribes the user with id equal to *<userId>* as a participant of the event with id equal to *<eventId>*.
Input type	TEXT/JSON

POST /rest/events [?author=<authorId>]

Description	Consumes a new event in JSON format, sanitizes it, validates the specified 'authorId' and broadcasts to all subscribed clients.
Input type	TEXT/JSON

DELETE /rest/events [?id=<id>]

Description	Deletes an event given its id.
Input type	-

User

GET /rest/user

Description	Produces a JSON object containing all users.
Return type	TEXT/JSON

PUT /rest/users [?id=<id>&status=<statusIn>]

Description	Validates the user id and status specified, then updates the status of the specified user (with id equal to *<id>*), to the specified status code *<statusIn>*.
Input type	TEXT/TEXT

Broadcaster

GET /rest/broadcaster [?user=<user>]

Description	Subscribes a user to the broadcaster, allowing him to receive all kinds of server-sent events through the system. The user is also added to an online map of users and the status is marked as online.
Return type	TEXT/EVENT-STREAM