

Cytinerary Backend

Overview

COM S 309 Group SB_03 Backend API Document

Version information

Version : 0.0.1

License information

Terms of service : coms-309-sb-03.cs.iastate.edu:8080/terms

URI scheme

Host : coms-309-sb-03.cs.iastate.edu:8080

BasePath : /

Tags

- `basic-error-controller` : Basic Error Controller
- `event-controller` : Controller for handling HTTP requests related to events
- `label-controller` : Controller for handling HTTP requests related to labels
- `participant-controller` : Controller for handling HTTP requests related to event participants
- `shared-user-controller` : Controller for handling HTTP requests related to users sharing their schedules with other users
- `test-controller` : Test Controller
- `user-controller` : Controller for handling HTTP requests related to core user data

Paths

res

POST /

Responses

HTTP Code	Description	Schema
200	OK	string
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- test-controller

res

GET /

Responses

HTTP Code	Description	Schema
200	OK	string
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- */*

Tags

- test-controller

res

PUT /

Responses

HTTP Code	Description	Schema
200	OK	string
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- */*

Tags

- test-controller

res

DELETE /

Responses

HTTP Code	Description	Schema
200	OK	string
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- test-controller

res

PATCH /

Responses

HTTP Code	Description	Schema
200	OK	string
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

Consumes

- `application/json`

Produces

- */*

Tags

- test-controller

res

HEAD /

Responses

HTTP Code	Description	Schema
200	OK	string
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

Consumes

- application/json

Produces

- */*

Tags

- test-controller

res

OPTIONS /

Responses

HTTP Code	Description	Schema
200	OK	string
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- test-controller

Add a new label to the label table

POST /addLabel

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	string
201	Created	No Content
401	Unauthorized	No Content

HTTP Code	Description	Schema
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- label-controller

Add participant to event

POST /addParticipant

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	string
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- participant-controller

Share a specific user's schedule with another user

POST /addSharedUser

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	string
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- shared-user-controller

Add (create new) user to the database

POST /addUser

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	string
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- user-controller

Get user token necessary for sending user-specific requests (token should be stored in local storage of browser)

POST /authenticateUser

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	string
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- user-controller

Create a new event

POST /createEvent

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	string
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- event-controller

Delete a specific event from the event table

POST /deleteEvent

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	string
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- event-controller

Delete a specific label from label table

POST /deleteLabel

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	string

HTTP Code	Description	Schema
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- label-controller

Delete a participant from an existing event

POST /deleteParticipantFromEvent

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	string
201	Created	No Content
401	Unauthorized	No Content

HTTP Code	Description	Schema
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- event-controller

Remove a user from the list of users that a specific user is sharing his or her schedule with

POST /deleteSharedUser

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	string
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- `shared-user-controller`

Remove user from the database

POST /deleteUser

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	string
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- user-controller

errorHtml

POST /error

Responses

HTTP Code	Description	Schema
200	OK	ModelAndView
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `text/html`

Tags

- basic-error-controller

errorHtml

GET /error

Responses

HTTP Code	Description	Schema
200	OK	ModelAndView
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `text/html`

Tags

- `basic-error-controller`

errorHtml

PUT /error

Responses

HTTP Code	Description	Schema
200	OK	ModelAndView
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `text/html`

Tags

- `basic-error-controller`

errorHtml

DELETE /error

Responses

HTTP Code	Description	Schema
200	OK	ModelAndView
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

Consumes

- `application/json`

Produces

- `text/html`

Tags

- `basic-error-controller`

errorHtml

PATCH /error

Responses

HTTP Code	Description	Schema
200	OK	ModelAndView
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

Consumes

- `application/json`

Produces

- `text/html`

Tags

- basic-error-controller

errorHtml

HEAD /error

Responses

HTTP Code	Description	Schema
200	OK	ModelAndView
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

Consumes

- `application/json`

Produces

- `text/html`

Tags

- `basic-error-controller`

errorHtml

OPTIONS /error

Responses

HTTP Code	Description	Schema
200	OK	ModelAndView
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

Consumes

- `application/json`

Produces

- `text/html`

Tags

- `basic-error-controller`

Retrieve creator events associated to specific creator and start/end date

POST /getCreatorEvents

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	< Event > array
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- [application/json](#)

Produces

- [*/*](#)

Tags

- event-controller

Retrieve specific event associated to specific creator and event id

POST /getEvent

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	< Event > array
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- event-controller

Get participants of a specific event

POST /getEventParticipants

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	< object > array

HTTP Code	Description	Schema
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- participant-controller

Retrieve specific event associated to specific event id

POST /getEventWithId

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	< Event > array
201	Created	No Content
401	Unauthorized	No Content

HTTP Code	Description	Schema
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- event-controller

Retrieve events associated to specific creator

POST /getEvents

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	< Event > array
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- event-controller

Retrieve color associated to specific label

POST /getLabel

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	< Label > array
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- label-controller

Retrieve labels associated to specific user

POST /getLabels

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	< Label > array
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- [application/json](#)

Produces

- [*/*](#)

Tags

- label-controller

Retrieve participant events associated to specific participant and start/end date

POST /getParticipantEvents

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	< Event > array
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- [application/json](#)

Produces

- [*/*](#)

Tags

- event-controller

Get participants of a specific event

POST /getParticipants

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	< Participant > array
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- participant-controller

Get users that a specific user is sharing his or her schedule with

POST /getSharedUsers

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	< object > array
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- shared-user-controller

Get core user information about a specific user

POST /getUser

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	< User > array
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- user-controller

Get all users in the database

GET /getUsers

Responses

HTTP Code	Description	Schema
200	OK	< User > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- `user-controller`

Remove participant from event

POST `/removeParticipant`

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	string
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- participant-controller

Update the start/end time of the given creators event

POST /updateCreatorEventTime

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	string
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- event-controller

Update an existing event

POST /updateEvent

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	string
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- event-controller

Get core user information about a specific user (used for checking if user exists in database)

POST /userExists

Parameters

Type	Name	Description	Schema
Body	payload <i>required</i>	payload	object

Responses

HTTP Code	Description	Schema
200	OK	< User > array
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- `application/json`

Produces

- `*/*`

Tags

- user-controller

Definitions

Event

Name	Description	Schema
creator <i>required</i>	Name of the creator who created an event	string
description <i>required</i>	Description of the event	string

Name	Description	Schema
endTime <i>required</i>	Ending time of an event	Timestamp
eventId <i>required</i>	ID for the given event	string
label <i>required</i>	The given label for an event, color coordinated to categorize and style specific events	string
location <i>required</i>	Location of a given event	string
name <i>required</i>	Name of the event, what will be seen on the block of the event	string
startTime <i>required</i>	Starting time of an event	Timestamp

Label

Name	Description	Schema
color <i>required</i>	Color used to style the specific labels	string
label <i>required</i>	Label used to categorize specific events, associated only to the user who created it	string
userId <i>required</i>	Unique identifier for a user	string

ModelAndView

Name	Schema
empty <i>optional</i>	boolean
model <i>optional</i>	object

Name	Schema
modelMap <i>optional</i>	< string, object > map
reference <i>optional</i>	boolean

Name	Schema
status <i>optional</i>	enum (100 CONTINUE, 101 SWITCHING_PROTOCOLS, 102 PROCESSING, 103 CHECKPOINT, 200 OK, 201 CREATED, 202 ACCEPTED, 203 NON_AUTHORITATIVE_INFORMATION, 204 NO_CONTENT, 205 RESET_CONTENT, 206 PARTIAL_CONTENT, 207 MULTI_STATUS, 208 ALREADY_REPORTED, 226 IM_USED, 300 MULTIPLE_CHOICES, 301 MOVED_PERMANENTLY, 302 FOUND, 302 MOVED_TEMPORARILY, 303 SEE_OTHER, 304 NOT_MODIFIED, 305 USE_PROXY, 307 TEMPORARY_REDIRECT, 308 PERMANENT_REDIRECT, 400 BAD_REQUEST, 401 UNAUTHORIZED, 402 PAYMENT_REQUIRED, 403 FORBIDDEN, 404 NOT_FOUND, 405 METHOD_NOT_ALLOWED, 406 NOT_ACCEPTABLE, 407 PROXY_AUTHENTICATION_REQUIRED, 408 REQUEST_TIMEOUT, 409 CONFLICT, 410 GONE, 411 LENGTH_REQUIRED, 412 PRECONDITION_FAILED, 413 PAYLOAD_TOO_LARGE, 413 REQUEST_ENTITY_TOO_LARGE, 414 URI_TOO_LONG, 414 REQUEST_URI_TOO_LONG, 415 UNSUPPORTED_MEDIA_TYPE, 416 REQUESTED_RANGE_NOT_SATISFIABLE, 417 EXPECTATION_FAILED, 418 I_AM_A_TEAPOT, 419 INSUFFICIENT_SPACE_ON_RESOURCE, 420 METHOD_FAILURE, 421 DESTINATION_LOCKED, 422 UNPROCESSABLE_ENTITY, 423 LOCKED, 424 FAILED_DEPENDENCY, 425 TOO_EARLY, 426 UPGRADE_REQUIRED, 428 PRECONDITION_REQUIRED, 429 TOO_MANY_REQUESTS, 431 REQUEST_HEADER_FIELDS_TOO_LARGE, 451 UNAVAILABLE_FOR_LEGAL_REASONS, 500 INTERNAL_SERVER_ERROR, 501 NOT_IMPLEMENTED, 502 BAD_GATEWAY, 503 SERVICE_UNAVAILABLE, 504 GATEWAY_TIMEOUT, 505 HTTP_VERSION_NOT_SUPPORTED, 506 VARIANT_ALSO_NEGOTIATES, 507 INSUFFICIENT_STORAGE, 508 LOOP_DETECTED, 509 BANDWIDTH_LIMIT_EXCEEDED, 510 NOT_EXTENDED, 511 NETWORK_AUTHENTICATION_REQUIRED)
view <i>optional</i>	View

Name	Schema
viewName <i>optional</i>	string

Participant

Name	Description	Schema
eventId <i>required</i>	ID of event being shared	string
participant <i>required</i>	ID of user that is a participant of the event	string

Timestamp

Name	Schema
date <i>optional</i>	integer (int32)
day <i>optional</i>	integer (int32)
hours <i>optional</i>	integer (int32)
minutes <i>optional</i>	integer (int32)
month <i>optional</i>	integer (int32)
nanos <i>optional</i>	integer (int32)
seconds <i>optional</i>	integer (int32)
time <i>optional</i>	integer (int64)

Name	Schema
timezoneOffset <i>optional</i>	integer (int32)
year <i>optional</i>	integer (int32)

User

Name	Description	Schema
firstName <i>required</i>	User's first name	string
lastName <i>required</i>	User's last name	string
netId <i>required</i>	User's ISU net-ID (used for login)	string
password <i>required</i>	User's password (used for login)	string
userId <i>required</i>	Unique identifier for a user	string

View

Name	Schema
contentType <i>optional</i>	string