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src/api

## CommentAPI.ts

File Description: This file implements an API for the comment system.

Functions:

`createGetCommentsRequest`

Function Description: This creates and gets comments via server request model.

Parameters:

postId : string, the posts identifier

Return: a ServerRequestModel

`sortCommentByDate`

Function Description: This sorts comments by date and time

Parameters:

sortedObjects : comments, the comments to sort

Returns: sortedObjects, that is sorted comments

## CommonAPI.ts

File Description: This file implements loggers, a random color generator, a function to update an object, and a slicer for a state.

Functions:

### logger

Function Description: This function logs data

Parameters:

title : string, the title of the logger

...data : any, any data to be logged

Returns: None

### getRandomColor

Function Description: This function generates a random color

Parameters: None

Returns: a random color

### updateObject

Function Description: This function is a generic function that updates an objects based on their new updated properties.

Parameters:

oldObject : any, the old object to be updated

updatedProperties : any, new properties of the old object to be updated

Returns: a new object containing new properties

### getStateSlice

Function Description: This function is a generic function that gets a slice from a state.

Parameters:

state : any, the state to get a slice from

Returns: a slice from a state

## FileAPI.ts

### File Description:

This API allows a user to get a file extension, convert an image to canvas and return a new canvas element, constraint an image size, and convert data to blob.

### Functions:

#### getExtension

Function Description: This gets the file extension via regular expressions

Parameters:

fileName : string, the filename to retrieve the extension

Returns: string, the extension

#### convertImageToCanvas

Function Description: This converts an image to canvas and returns a new canvas element

Parameters:

image : HTMLImageElement or HTMLCanvasElement or HTMLVideoElement or ImageBitmap,  
an image to convert to canvas

Returns: a new canvas element

#### DataURLToBlob

Function Description: This converts data URL to blob

Parameters:

dataURL : string, a string to convert to blob

Returns: a blob

## PostAPI.ts

File Description: This API lets us gets tags from post content and sort objects by date  
Functions:

### detectTags

Function Description: This function detects tags in a post

Parameters:

content : string, the content to detect from

character : string, the character to detect the tag from

Returns: a string of a tag

### getContentTags

Function Description: This function gets the content tags

Parameters:

content : string, the string to get the content tag from

Returns: a string array of tags

### sortObjectsDate

Function Description: This sort objects by dates.

Parameters:

objects : any, any object to be sorted

Returns: objects that are sorted

### sortImuObjectsDate

Function Description: This sort specifically immutable objects

Parameters:

objects : a list of a map<string,any>

Returns: sorted list of immutable objects

## StringAPI.ts

File Description: This API helps check if an email is valid, creates a server request id, and queries strings.

Functions:

### isValidEmail

Function Description: Checks to see if a email is valid

Parameters:

email : string, the email to check

Returns: a boolean

### createServerRequestId

Function Description: Creates an ID for a server request

Parameters:

requestType : ServerRequestType, type of server request

uniqueID : string, a unique identifier

Returns: a unique id for a server request

### queryString

Function Description: This allows us to query a string

Parameters:

name : string, the string to query

url : a BOM href, the url to query

Returns: decodeURIComponent, a decoded URI component