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Req-020: createBlogs API - blogsServices

As part of the **blogsServices**, we need to create an API that will create and store the blogs in the db.

→ Method type: **POST**

→ **API:**

- name: **createBlogs**
- **api/v1/blogs/createBlogs**

→ DB Bucket to be used: **blogs**.

→ Path parameter should be empty.

→ Parameters to be sent as part of the request body: title, img, overview, content, tags, and authorId.

→ Other parameters: createdAt, updatedAt, version, and views should store default values when created.

→ "content" needs to be encoded as Base64 before storing it into the db.

→ **Response messages:**

- Response message should be "201 Created" in case the operation is successful.
- Response message should be "400 Bad Request" in case any required parameter is missing.
- Response message should be "500 Internal Server Error" in case of any error occurred in storing the data in db.

Req-021: getAllBlogs API - blogsServices

As part of the **blogsServices**, we need to create an API that will return the list of all the blogs present in the db.

→ Method type: **GET**

→ **API:**

- name: **getAllBlogs**
- **api/v1/blogs/getAllBlogs**

→ DB Bucket to be used: **blogs**.

→ Path parameter should be empty.

→ Request body should be empty.

→ Fields to be returned as part of the response: title, img, overview, version, views, tags, createdAt, updatedAt, and authorId.

→ **Response messages:**

- Response message should be "200 Ok" in case the operation is successful.
- Response message should be "500 Internal Server Error" in case of any error occurred in connection with db.

Req-022: getBlogsById API - blogsServices

As part of the **blogsServices**, we need to create an API that will return all the details of a particular blog using its id from the db

→ Method type: **GET**

→ **API:**

- name: **getBlogsById**
- **api/v1/blogs/getBlogsById/{blogsId}**

→ DB Bucket to be used: **blogs**.

→ Parameter to be sent as part of the path: "blogsId".

→ Request body should be empty.

→ Fields to be returned as part of the response: title, img, overview, content, version, views, tags, createdAt, updatedAt, and authorId.

→ "content" needs to be decoded from Base64 format to normal text before storing it into the db.

→ **Response messages:**

- Response message should be "200 Ok" in case the operation is successful.
- Response message should be "404 Not Found" in case the data for requested blogsId does not exist.
- Response message should be "500 Internal Server Error" in case of any error occurred in connection with db.

Req-023: updateBlogs API - blogsServices

As part of the **blogsServices**, we need to create an API that will update the information of blogs using their unique id present in the db.

→ Method type: **PUT**

→ **API:**

- name: **updateBlogs**
- **api/v1/blogs/updateBlogs/{blogId}**

→ DB Bucket to be used: **blogs**.

→ Parameters to be sent as part of the path: “blogId”, and “typeOfUpdate”.

→ Parameters that can be sent as part of the request body: title, img, overview, content, and tags.

→ “content” needs to be encoded as Base64 before storing it into the db.

→ “updatedAt” needs to get updated and store the time of updating the note.

→ “version” needs to get incremented based on the “typeOfUpdate” parameter as either “minor” or “major” if:

- “minor” then update the version as v1.1, v1.2,... so on.
- “major” then update the version as v2, v3,... so on.

→ **Response messages:**

- Response message should be “201 Created” in case the operation is successful.
- Response message should be “400 Bad Request” in case any required parameter is missing.
- Response message should be “404 Not Found” in case the data for requested blogId does not exist.
- Response message should be “500 Internal Server Error” in case of any error occurred in connection with db.

Req-024: deleteBlogs API - blogsServices

As part of the **blogsServices**, we need to create an API that will delete the blog using its unique id present in the db.

→ Method type: **DELETE**

→ **API:**

- name: **deleteBlogs**
- **api/v1/blogs/deleteBlogs/{blogsId}**

→ DB Bucket to be used: **blogs**.

→ Parameter to be sent as part of the path: "blogsId".

→ Request body should be empty.

→ **Response messages:**

- Response message should be "200 Ok" in case the operation is successful.
- Response message should be "404 Not Found" in case the data for requested blogsId does not exist.
- Response message should be "500 Internal Server Error" in case of any error occurred in connection with db.

Req-025: updateBlogViews API - blogsServices

As part of the **blogsServices**, we need to create an API that will update the views count of the blog using its unique id present in the db.

→ Method type: **PUT**.

→ **API:**

- name: **updateBlogsViews**
- **api/v1/blogs/updateBlogsViews/{blogId}**

→ DB Bucket to be used: **blogs**.

→ Parameter to be sent as part of the path: "blogId".

→ Request body should be empty.

→ Everytime the api is called, update the view count by 1.

→ **Response messages:**

- Response message should be "202 Accepted" in case the operation is successful.
- Response message should be "404 Not Found" in case the data for requested blogId does not exist.
- Response message should be "500 Internal Server Error" in case of any error occurred in connection with db.

Req-026: createTags API - tagServices

As part of the **tagServices**, we need to create an API that will create and store the tags in the db.

→ Method type: **POST**.

→ **API:**

- name: **createTags**
- **api/v1/tags/createTags**

→ DB Bucket to be used: **tags**.

→ Path parameter should be empty.

→ Parameters to be sent as part of the request body: tagName.

→ Other parameters: isValidated should store default value when created.

→ **Response messages:**

- Response message should be "201 Created" in case the operation is successful.
- Response message should be "400 Bad request" in case the required parameter is missing.
- Response message should be "500 Internal Server Error" in case of any error occurred in connection with db.

Req-027: getAllTags API - tagServices

As part of the **tagServices**, we need to create an API that will return the list of all the tags present in the db.

→ Method type: **GET**.

→ **API:**

- name: **getAllTags**
- **api/v1/tags/getAllTags**

→ DB Bucket to be used: **tags**.

→ Path parameter should be empty.

→ Request body should be empty.

→ Fields to be returned as part of the response: tagName.

→ **Response messages:**

- Response message should be “200 Ok” in case the operation is successful.
- Response message should be “500 Internal Server Error” in case of any error occurred in connection with db.

Req-028: getActiveTags API - tagServices

As part of the **tagServices**, we need to create an API that will return the list of all the active tags present in the db.

→ Method type: **GET**.

→ **API:**

- name: **getActiveTags**
- **api/v1/tags/getActiveTags**

→ DB Bucket to be used: **tags**.

→ Path parameter should be empty.

→ Request body should be empty.

→ Fields to be returned as part of the response: tagName.

→ **Response messages:**

- Response message should be “200 Ok” in case the operation is successful.
- Response message should be “500 Internal Server Error” in case of any error occurred in connection with db.

Req-029: deleteTags API - tagServices

As part of the **tagServices**, we need to create an API that will delete the tag using its id present in the db.

→ Method type: **DELETE**.

→ **API:**

- name: **deleteTags**
- **api/v1/tags/deleteTags/{tagId}**

→ DB Bucket to be used: **tags**.

→ Parameter to be sent as part of the path: "tagId".

→ Request body should be empty.

→ **Response messages:**

- Response message should be "200 Ok" in case the operation is successful.
- Response message should be "404 Not Found" in case the data for requested notesId does not exist.
- Response message should be "500 Internal Server Error" in case of any error occurred in connection with db.

Req-030: activateTags API - tagServices

As part of the **tagServices**, we need to create an API that will activate the tag to be available for the users to be used with their notes.

→ Method type: **PUT**.

→ **API:**

- name: **activateTags**
- **api/v1/tags/activateTags/{tagId}**

→ DB Bucket to be used: **tags**.

→ Parameter to be sent as part of the path: "tagId".

→ Request body should be empty.

→ "isValidated" parameter value should be stored as true for the respective tagId.

→ **Response messages:**

- Response message should be "202 Accepted" in case the operation is successful.
- Response message should be "404 Not Found" in case the data for requested notesId does not exist.
- Response message should be "500 Internal Server Error" in case of any error occurred in connection with db.

Req-031: deactivateTags API - tagService

As part of the **tagServices**, we need to create an API that will deactivate the tags, using its id present in the db.

→ Method type: **PUT**.

→ **API:**

- name: **deactivateTags**
- **api/v1/tags/deactivateTags/{tagId}**

→ DB Bucket to be used: **tags**.

→ Parameter to be sent as part of the path: "tagId".

→ Request body should be empty.

→ "isValidated" parameter value should be stored as false for the respective tagId.

→ **Response messages:**

- Response message should be "202 Accepted" in case the operation is successful.
- Response message should be "404 Not Found" in case the data for requested notesId does not exist.
- Response message should be "500 Internal Server Error" in case of any error occurred in connection with db.

Req-032: createCollections API - collectionServices

As part of the **collectionServices**, we need to create an API that will create and store the collections in the db.

→ Method type: **POST**.

→ **API:**

- name: **createCollections**
- **api/v1/collections/createCollections**

→ DB Bucket to be used: **collections**.

→ Path parameter should be empty.

→ Parameters to be sent as part of the request body: title, overview, and tags.

→ Other parameters: collectionList, createdAt, and views should store default value when created.

→ **Response messages:**

- Response message should be "201 Created" in case the operation is successful.
- Response message should be "400 Bad Request" in case any required parameter is missing.
- Response message should be "500 Internal Server Error" in case of any error occurred in storing the data in db.

Req-033: getAllCollections API - collectionServices

As part of the **collectionServices**, we need to create an API that will return the list of all the collections stored in db.

→ Method type: **GET**.

→ **API:**

- name: **getAllCollections**
- **api/v1/collections/getAllCollections**

→ DB Bucket to be used: **collections**.

→ Path parameter should be empty.

→ Request body should be empty.

→ Fields to be returned as part of the response: title, overview, tags, createdAt, and views.

→ **Response messages:**

- Response message should be “200 Ok” in case the operation is successful.
- Response message should be “500 Internal Server Error” in case of any error occurred in connection with db.

Req-034: getBlogsOfCollections API - collectionServices

As part of the **collectionServices**, we need to create an API that will return the list of blogs for a particular collection stored in db.

→ Method type: **GET**.

→ **API:**

- name: **getBlogsOfCollections**
- **api/v1/collections/getBlogsOfCollections/{collectionId}**

→ DB Bucket to be used: **collections**.

→ Parameter to be sent as part of the path: "collectionId".

→ Request body should be empty.

→ Fields to be returned as part of the response: title, overview, tags, createdAt, views, and details of Blogs: title, img, overview, version, views, tags, createdAt, updatedAt, authorId.

→ **Response messages:**

- Response message should be "200 Ok" in case the operation is successful.
- Response message should be "404 Not Found" in case the data for requested collectionId does not exist.
- Response message should be "500 Internal Server Error" in case of any error occurred in connection with db.

Req-035: updateCollections API - collectionServices

As part of the **collectionServices**, we need to create an API that will update the information of collections using their unique id present in the db.

→ Method type: **PUT**.

→ **API:**

- name: **updateCollections**
- **api/v1/collections/updateCollections/{collectionId}**

→ DB Bucket: **collections**.

→ Parameter to be sent as part of the path: "collectionId".

→ Parameter to be sent as part of the request body: title, overview, and tags.

→ **Response messages:**

- Response message should be "201 Created" in case the operation is successful.
- Response message should be "400 Bad Request" in case the required parameter is missing.
- Response message should be "404 Not Found" in case the data for requested collectionId does not exist.
- Response message should be "500 Internal Server Error" in case of any error occurred in connection with db.

Req-036: addToCollections API - collectionServices

As part of the **collectionServices**, we need to create an API that will add blogs to a list of a collection stored in a db.

→ Method type: **PUT**.

→ **API:**

- name: **addToCollections**
- **api/v1/collections/addToCollections/{collectionId}**

→ DB Bucket to be used: **collections**.

→ Parameter to be sent as part of the path: "collectionId".

→ Parameter to be sent as part of the request body: "blogsId".

→ Update the collectionList with the notesId and store it in db.

→ **Response messages:**

- Response message should be "201 Created" in case the operation is successful.
- Response message should be "400 Bad Request" in case any required parameter is missing.
- Response message should be "404 Not Found" in case the data for requested collectionId does not exist.
- Response message should be "500 Internal Server Error" in case of any error occurred in connection with db.

Req-037: deleteFromCollections API - collectionServices

As part of the **collectionServices**, we need to create an API that will remove blogs from a list of a collection stored in a db.

→ Method type: **DELETE**.

→ **API:**

- name: **deleteFromCollections**
- **api/v1/collections/deleteFromCollections/{collectionId}**

→ DB Bucket to be used: **collections**.

→ Parameter to be sent as part of the path: "collectionId".

→ Parameter to be sent as part of the request body: "blogsId".

→ Update the collectionList and delete the particular notesId from the collection stored in db.

→ **Response message:**

- Response message should be "200 Ok" in case the operation is successful.
- Response message should be "400 Bad Request" in case any required parameter is missing.
- Response message should be "404 Not Found" in case the data for requested collectionId does not exist.
- Response message should be "406 Not Acceptable" in case the requested blogId does not exist.
- Response message should be "500 Internal Server Error" in case of any error occurred in connection with db.