

Cisco Modern Application Development Program

HeapUnderFlow- A Blogging Application

REST API Documentation

Version 1.0

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Sign Up Use Case

Title	Signup
Description	Allows new user to sign up for the application
URL	/signup
Method	POST
Header	Content-Type: application/json
URL Params	None
Data Params	Required: username=[alphanumeric], email=[alphanumeric], password=[password] Optional: None
Response	Success: 303 (redirection) Failure: 422 (unprocessable Entry)
Sample Input	{"username": "user_cmad", "email": "abc@def.com", "password": "asdh!WEBS123asd"}
Sample Output	{"signup_status": "user {username} created successfully"}

Login Use Case

Title	Login
Description	Allows existing user to log in to the application
URL	/login
Method	POST
Header	Content-Type: application/json
URL Params	None
Data Params	Required: username=[alphanumeric], password=[password] Optional: None
Response	Success: 303 (redirection) Failure: 403 (forbidden)
Sample Input	{"username": "user_cmad", "password": "asdh!WEBS123asd"}
Sample Output	{"login_status": "user {username} logged in successfully", "token": "asdf2345agssh2s3"}

Create Blog Use Case

Title	Create Blog
Description	Allows user to create a new blog
URL	/user/{user_name}/blog
Method	POST
Header	Content-Type: application/json, Bearer jwtHeader.jwtPayload.jwtSignature
URL Params	username=[alphanumeric]
Data Params	Blog_title=[alphanumeric], blog_body=[alphanumeric], blog_tags=[alphanumeric]
Response	Success: 201 (created)
Sample Input	{"blog_title": "Sample Blog", "blog_body": "Hello world, this is my first blog", "blog_tags": {"tag1": "sports", "tag2": "economics"}}
Sample Output	{"blog_creation_status": "blog created successfully"}

Update Blog Use Case

Title	Update Blog
Description	Allows logged in user to update his/her own blog
URL	/blog/{blog_id}
Method	PUT
Header	Content-Type: application/json, Bearer jwtHeader.jwtPayload.jwtSignature
URL Params	{"blog_id": 123}
Data Params	Blog_title=[alphanumeric], blog_body=[alphanumeric], blog_tags=[alphanumeric]
Response	Success: 200 (OK)
Sample Input	{"blog_title": "Sample Blog", "blog_body": "Hello world, this is my first blog", "blog_tags": {"tag1": "sports", "tag2": "economics"}}
Sample Output	{"blog_updatation_status": "blog updated successfully"}

Get all Blogs Use Case

Title	Get All Blogs
Description	Get List of all Blogs
URL	/blog
Method	GET
Header	Accept: application/json
URL Params	None
Data Params	None
Response	Success: 200 (OK)
Sample Input	None
Sample Output	

Add comment to Blog Use Case

Title	Add comment
Description	Allows logged in user to add a comment to an existing blog
URL	/blog/{blog_id}/comment
Method	POST
Header	Content-Type: application/json, Bearer jwtHeader.jwtPayload.jwtSignature
URL Params	blog_id=[number]
Data Params	comment_text=[text]
Response	Success: 201 (created)
Sample Input	{"comment_text": "This is a sample comment"}
Sample Output	<pre>{ "blog_title": "Sample Title", "blog_author": "Sample Author", "blog_creation_time": "01-01-2000 01:00:00 IST", "blog_content": "This is a dummy blog", "blog_tags": ["sports",] }, { "blog_title": "Sample Title 2", "blog_author": "Sample Author 2", "blog_creation_time": "01-01-2000 01:00:00 IST", "blog_content": "This is a dummy blog 2", "blog_tags": ["sports",] }</pre>

Read/Get content of a Blog Use Case

Title	Get Blog Content
Description	Allows any user to read an existing blog
URL	/blog/{blog_id}
Method	GET
Header	Accept: application/json
URL Params	blog_id=[number]
Data Params	None
Response	Success: 200 (OK)
Sample Input	{"blog_id": 123}
Sample Output	{ "blog_title": "Sample Title", "blog_author": "Sample Author", "blog_creation_time": "01-01-2000 01:00:00 IST", "blog_content": "This is a dummy blog", "blog_tags": ["sports", "education"] }

Create Blog Use Case

Title	Create Blog
Description	Allows user to create a new blog
URL	/blog
Method	POST
Header	Content-Type: application/json, Bearer jwtHeader.jwtPayload.jwtSignature
URL Params	None
Data Params	Blog_title=[alphanumeric], blog_body=[alphanumeric], blog_tags=[alphanumeric]
Response	Success: 201 (created)
Sample Input	{"blog_title": "Sample Blog", "blog_body": "Hello world, this is my first blog", "blog_tags": {"tag1": "sports", "tag2": "economics"}}
Sample Output	{"blog_creation_status": "blog created successfully"}

Read/Get content of a Comment Use Case

Title	Get Comment Content
Description	Get content for a given comment on a blog
URL	/comment/{comment_id}
Method	GET
Header	Accept: application/json
URL Params	comment_id=[number]
Data Params	None
Response	Success: 200 (OK)
Sample Input	{"comment_id": 123}
Sample Output	{ "comment_author": "Sample Comment Author", "comment_creation_time": "01-01-2000 01:00:00 IST", "comment_content": "This is a dummy comment", }

Read/Get all Comments for a Blog Use Case

Title	Get All comments for Blog
Description	Get list of all comments for a given blog ID
URL	/blog/{blog_id}/comment
Method	GET
Header	Accept: application/json
URL Params	blog_id=[number]
Data Params	None
Response	Success: 200 (OK)
Sample Input	{"blog_id": 123}
Sample Output	[{ "comment_author": "Sample Comment Author 1", "comment_creation_time": "01-01-2000 01:00:00 IST", "comment_content": "This is a dummy comment 1", }, { "comment_author": "Sample Comment Author 2", "comment_creation_time": "01-01-2010 01:00:00 IST", "comment_content": "This is a dummy comment 2", }]

Read/Get all Blogs for a user Use Case

Title	Get All Blogs for user
Description	Get list of all Blogs for a given user ID
URL	/user/{user_id}/blogs
Method	GET
Header	Accept: application/json
URL Params	user_id=[number]
Data Params	None
Response	Success: 200 (OK)
Sample Input	{"user_id": 123}
Sample Output	<pre>[{ "blog_title": "Sample Title 1", "blog_author": "Sample Author 1", "blog_creation_time": "01-01-2000 01:00:00 IST", "blog_content": "This is a dummy blog 1", "blog_tags": ["sports", "education"] }, { "blog_title": "Sample Title 2", "blog_author": "Sample Author 1", "blog_creation_time": "01-01-2000 01:00:00 IST", "blog_content": "This is a dummy blog 2", "blog_tags": ["sports", "education"] }]</pre>

Update Profile Use Case

Title	Update Profile
Description	Allows existing user to update profile data
URL	/user/{id}
Method	PUT
Header	Content-Type: application/json
URL Params	id=[number]
Data Params	Optional: first_name=[text], last_name=[text], mobile=[number], country=[text]
Response	Success: 200 (OK) Failure: 422 (unprocessable Entry)
Sample Input	{"first_name": "john", "last_name": "cena", "mobile": "0987654321", "country": "India"}
Sample Output	{"profile_update_status": "profile updated successfully"}

Change Password Use Case

Title	Change Password
Description	Allows existing user to change password
URL	/user/{user_id}/password
Method	PUT
Header	Content-Type: application/json
URL Params	None
Data Params	Old_password= [alphanumeric], new_password= [alphanumeric]
Response	Success: 200 (OK) Failure: 403 (forbidden)
Sample Input	{"old_password": "password", "new_password": "password1"}
Sample Output	{"password_update_status": "password updated successfully"}
