

Brian N

Team B2 MAGE Platform

Key Points

- Scene Development - Built endpoints to retrieve, delete, and update scenes with ownership checks.
- Visibility controls - Owners can set scenes as Public, Private, Unlisted, or Draft
- Comment sorting - Users can sort comments by newest or most upvoted.
- Frontend forms - Built the create scene form and updated registration to collect first and last name.

```
>
PS C:\Users\brian\mage-backend> $scene = Invoke-RestMethod -Method POST -Uri "
$token"} -Body '{"name":"My Scene","sceneData":{"key":"value"}}'
PS C:\Users\brian\mage-backend> Invoke-RestMethod -Uri "http://localhost:8080/

sceneId      : 3
ownerUserId  : 1
creatorDisplayName : Test User
name         : My Scene
description  :
sceneData    : @{key=value}
thumbnailRef :
createdAt   : 2026-05-04T06:16:42.748271Z
tags        : {}
engagement  : @{views=0; upvotes=0; downvotes=0; saves=0; currentUserVc

PS C:\Users\brian\mage-backend> Invoke-RestMethod -Method DELETE -Uri "http://

PS C:\Users\brian\mage-backend> Invoke-RestMethod -Uri "http://localhost:8080/
Invoke-RestMethod : The remote server returned an error: (404) Not Found.
At line:1 char:1
+ Invoke-RestMethod -Uri "http://localhost:8080/api/scenes/${scene.sce ...
+ ~~~~~
+ CategoryInfo          : InvalidOperation: (System.Net.HttpWebRequest:Http
+ FullyQualifiedErrorId : WebCmdLetWebResponseException,Microsoft.PowerSh

PS C:\Users\brian\mage-backend> |
```

GitHub code:

<https://github.com/B2MAGE>

Artifacts:

-cd /courses/cs410/s26/hdeblois/GROUP2/longproj02/t2/brianN-artifacts
-Backend-<https://github.com/search?q=+author%3Abrianvngan+repo%3AB2MAGE%2Fmage-backend+&type=commits&ref=advsearch>
-Frontend-<https://github.com/search?q=+author%3Abrianvngan+repo%3AB2MAGE%2Fmage-frontend+&type=commits&ref=advsearch>

Deployed Site:

<https://mage.peterbucci.com/>

T-shaped Skills

Broad Skills

- Git workflows & pull requests
- Agile workflows & issue tracking
- Understanding codebases I didn't write
- Reading documentation
- Team communication

Deep Skills

- Java Spring Boot APIs
- Endpoint testing & validation
- Docker & containerized dev
- Authentication & ownership checks

How I progressed:

- Developed deep skills with unfamiliar work setup
- Learned how to use the github workflow
- Gained experience with the agile workflow
- Gained experience with backend and frontend architecture

Initial comments location:
`cd /home/brian008/cs410/3593.txt`

Additional Comments and Plans

Comments

- First experience working in a collaborative codebase; adapted to team workflows and design patterns
- Improved understanding of backend architecture and layered design in Spring Boot
- Gained hands-on experience with Docker and real-world dev environments
- Grateful for my team's support and collaboration throughout the project

Future Work

- Continue contributing as new features are added
- Work with client to finalize and validate features
- Expand testing to ensure full system integration

Research Paper location:
`cd /home/brian008/cs410/3593.pdf`