
404 Not Found

**Digital Newspaper Website
Use-Case Specification: Comment Article**

Version 1.0

Revision History

Date	Version	Description	Author
12/7/2025	1.0	Specific about Comment Article use case	Nguyễn Tấn Lộc

Table of Contents

1. Use-Case Name: Comment Article	4
1.1 Brief Description	4
2. Flow of Events	4
2.1 Basic Flow	4
2.2 Alternative Flows	4
2.2.1 User not logged in	4
2.2.1.1 An Alternative Subflow	4
2.2.2 Empty or too long comment	4
2.2.2.1 An Alternative Subflow	4
2.2.3 Contains prohibited comments	4
2.2.3.1 An Alternative Subflow	4
2.2.4 Database save failed	5
2.2.4.1 An Alternative Subflow	5
3. Special Requirements	5
3.1 Profanity filter	5
3.2 Comment display time	5
3.3 Responsive UI	5
3.4 Edit/delete comment	5
3.5 Spam prevention	5
4. Preconditions	5
4.1 The user is authenticated	5
4.2 The article is in a “published” state and publicly viewable	5
4.3 The commenting feature is enabled for that article	5
5. Postconditions	5
5.1 A valid comment is stored in database, linked to the user and article	5
5.2 The comment appears on the article's page, visible to all readers.	5
5.3 The user may edit or delete the comment for a limited time (30 minutes)	5
6. Extension Points	5
6.1 Report comment	5
6.2 Like/Dislike	5
6.3 Nested comments	5

Use-Case Specification: Comment Article

1. Use-Case Name: Comment Article

1.1 Brief Description

This use case allows logged-in users to post a comment on a published article. The system validates the input, stores the comment, and displays it along with the user's name and timestamp. The user can also edit or delete their own comments within a limited time.

2. Flow of Events

2.1 Basic Flow

1. The user navigates to an article page
2. The system displays the full article content
3. If the user is logged in, the system displays a comment input box below the article
4. The user types a comment and clicks the submit button
5. The system performs validation on the comment
 - a. Ensures it is not empty
 - b. Checks for prohibited words or content violations.
 - c. Enforces the a maxim character limit (500 words)
6. If validation, the system
 - a. Stores the comment in the database
 - b. Associates the content with the article and the user's ID
 - c. Displays the comment below the article with the user's name and timestamp
7. The user sees their comment appear in the comet section and is given the option to edit or delete (within allow time)

2.2 Alternative Flows

2.2.1 User not logged in

- At step 3, user is not logged in

2.2.1.1 An Alternative Subflow

1. The comment input is hidden
2. The system display a message: "you must be logged in to post a comment"
3. A login / register link is provided

2.2.2 Empty or too long comment

- At step 5, the comment is empty or exceeds the character limit

2.2.2.1 An Alternative Subflow

1. The system display an error message: "comment can not be empty or too long"
2. The user must rewrite the comment

2.2.3 Contains prohibited comments

- The comment contains profanity or banned words

2.2.3.1 An Alternative Subflow

1. The system blocks the comment and shows: "your comment contains prohibited content"
2. User is prompted to revise the comment and resubmit

2.2.4 Database save failed

- At step 6, the system fails to save the comment (e.g due to server/database error)

2.2.4.1 An Alternative Subflow

1. The system displays “unable to post comments at the moment. Please try again later”
2. The comment is not posted or stored

3. Special Requirements

3.1 Profanity filter

- The system must detect and block offensive, abusive or inappropriate language using a predefined list or AI-based moderation

3.2 Comment display time

- Approved comments should be visible within 1 second after submission

3.3 Responsive UI

- The comment input field and list must display correctly on all devices

3.4 Edit/delete comment

- Only author of a comment can edit or delete their own comments

3.5 Spam prevention

- The system should implement rate-limiting (e.g max 5 comment per minute per user)

4. Preconditions

4.1 The user is authenticated

4.2 The article is in a “published” state and publicly viewable

4.3 The commenting feature is enabled for that article

5. Postconditions

5.1 A valid comment is stored in database, linked to the user and article

5.2 The comment appears on the article's page, visible to all readers.

5.3 The user may edit or delete the comment for a limited time (30 minutes)

6. Extension Points

6.1 Report comment

- After step 7, other users can report a comment for moderation

6.2 Like/Dislike

- After step 7, users may react to others's comments using like/dislike buttons

6.3 Nested comments

- Step 4, the user can reply directly to another comment

7. Generate Interface

Interface Comment Article when not logged in

Article Comments

[→\] Login](#)

Understanding Modern Web Development

Sarah Developer January 15, 2024

Web development has evolved significantly over the past decade. Modern frameworks like React, Vue, and Angular have revolutionized how we build user interfaces. Server-side rendering, static site generation, and edge computing are becoming standard practices. The ecosystem continues to grow with new tools and methodologies that help developers create better, faster, and more accessible web applications.

Comments (2)



You must be logged in to post a comment

[→\] Login / Register](#)

Alice Johnson 2 hours ago

Great article! This really helped me understand the concepts better.

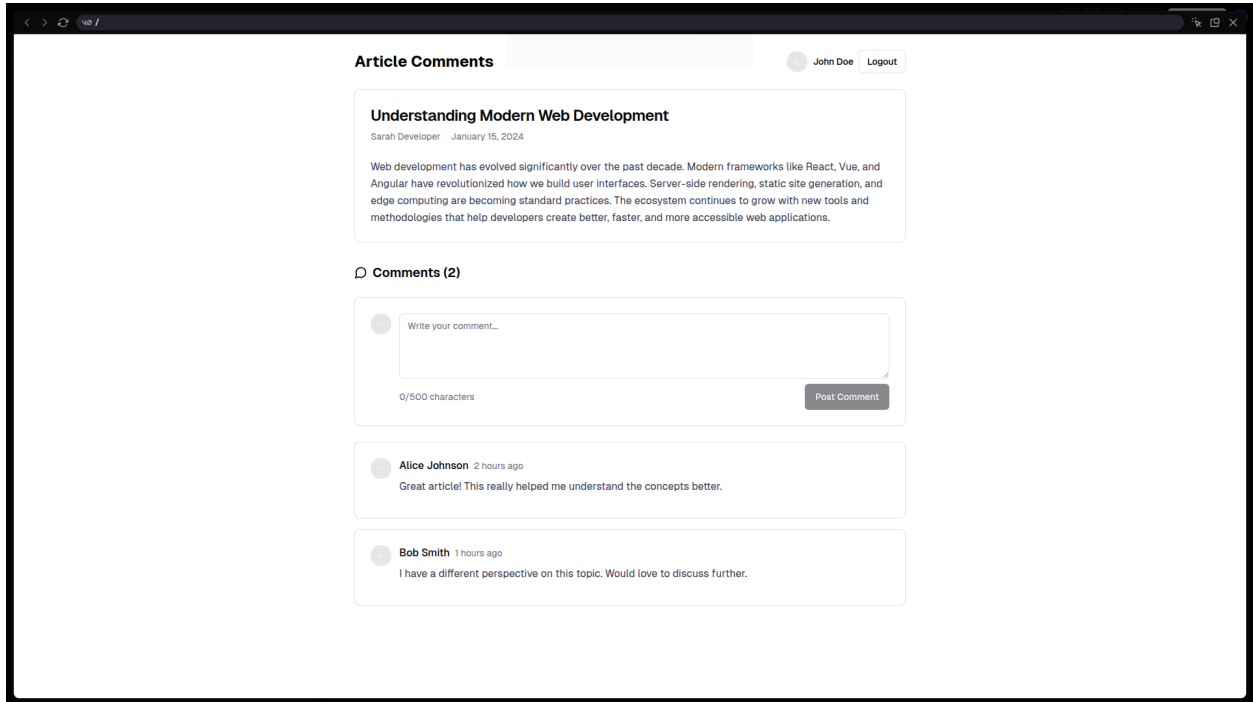


Bob Smith 47 minutes ago

I have a different perspective on this topic. Would love to discuss further.

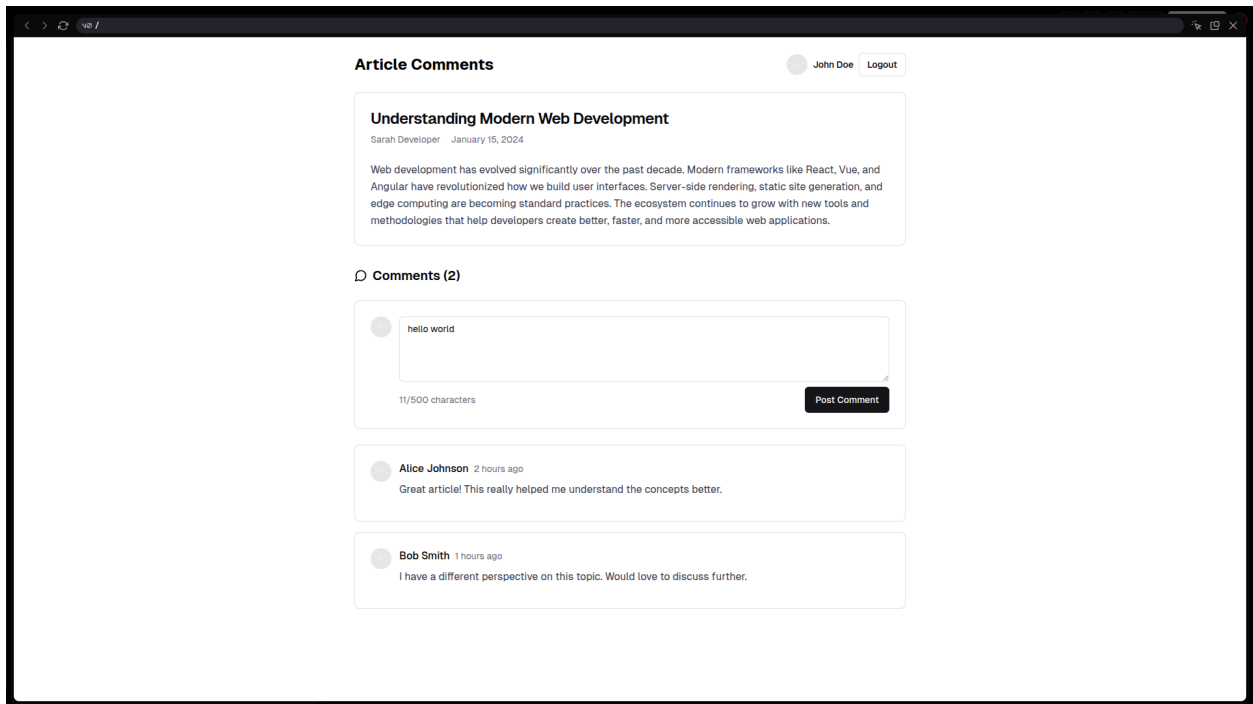
404 Not Found

Interface Comment Article when logged in

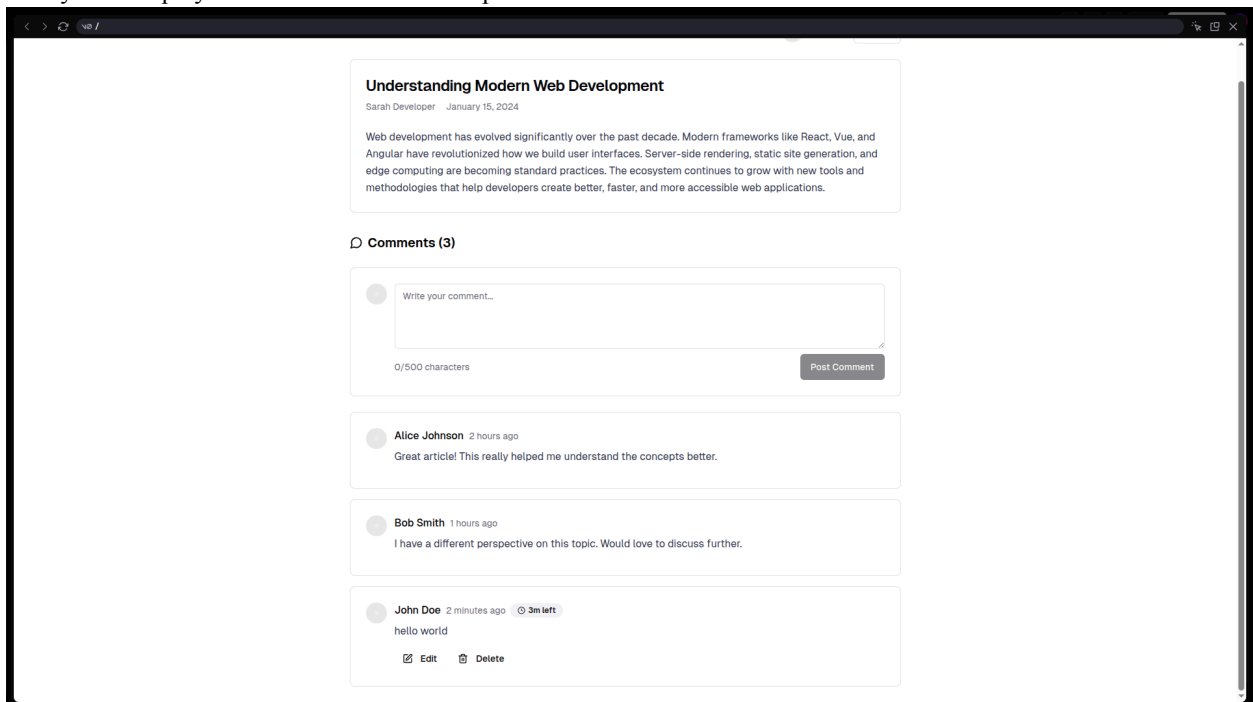


we can write comment (logged in) and click Post Comment to post

404 Not Found

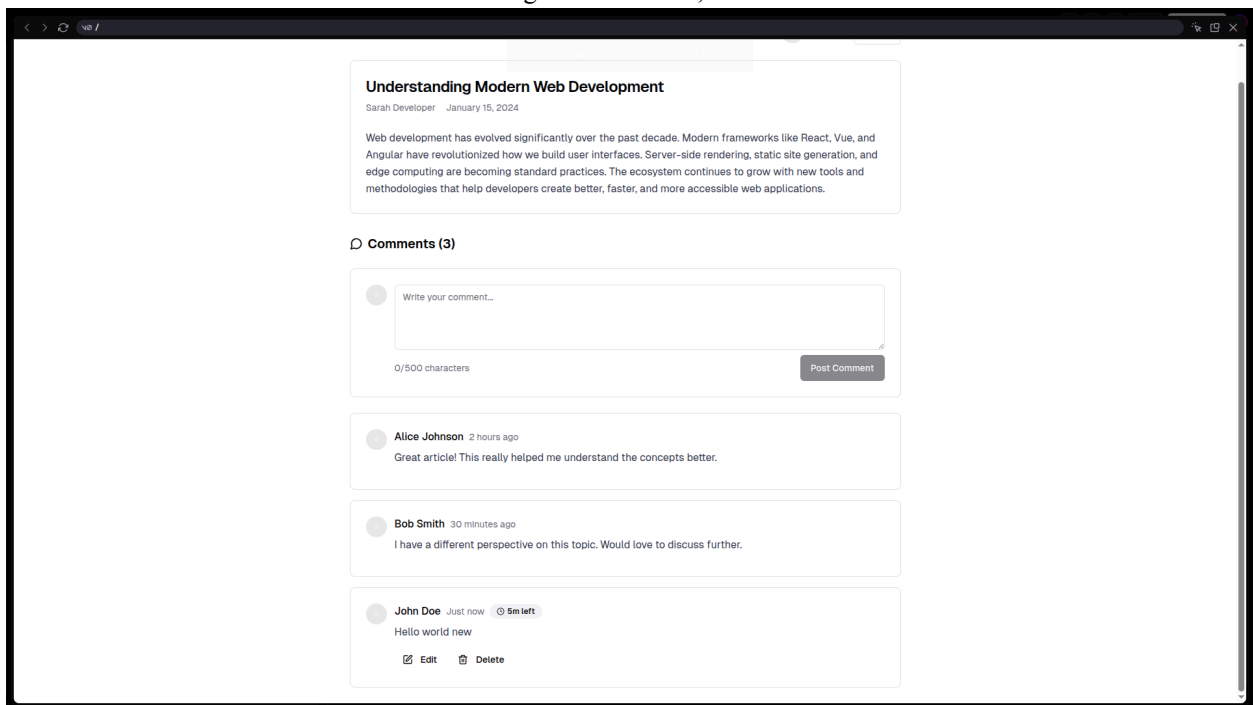


The system displays comment with timestamp and the commenter



404 Not Found

So we can edit our comment when we want change our comment, also delete it



404 Not Found

