

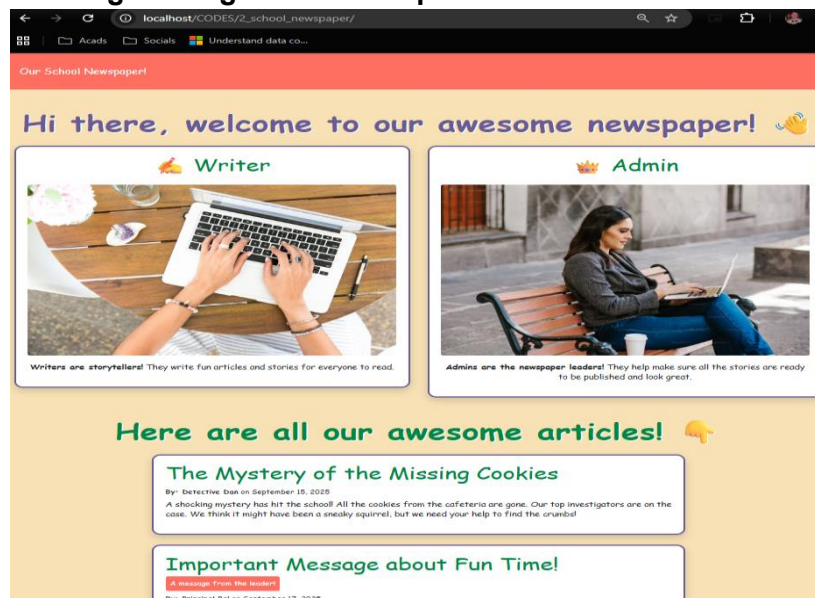
MAINTENANCE WORK FOR SCHOOL NEWSPAPER SYSTEM

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SECTION: UCOS 4-2

- I. **SCENARIO:** The software developer working for the school newspaper system just resigned from his role and he's left maintenance tasks yet to be completed. The school administrator is asking for the following in the system:
- A. The school newspaper system's UI design should look more modern, education-themed and involve kid-friendly design. You may add new icons/images/pages or even cartoon characters.
 - B. An image should be able to be included in each article.
 - C. An admin should be able to delete a post from a writer, and then notify the author which one of his articles was deleted.
 - D. A writer should be able to ask an article for an edit request. The article's author should be notified of this and he's given the option to either accept or reject the edit request.
 - E. If a writer is given edit access to an article, it should be shown inside a page called "shared_articles.php", so you have to create this new template in the project.
- II. **UI OVERVIEW.** Please paste below each item **2-4 SCREENSHOTS** of what's being asked in **ENTIRE SCREEN FORMAT.**

A. **UI design changes in the templates**



B. Posting an article and adding an image

C. Admin role deleting a published article

D. Writer role asking for edit request on an article

E. Writer role navigating through articles he has edit access with

III. SQL DATABASE SCHEMA:

```
schema.sql act3_school_newspaper index.php act3_school_newspaper classloader.php .../writer Database.php act3_
CODES > act3_school_newspaper > schema.sql
1
2 CREATE TABLE school_publication_users (
3     user_id INT AUTO_INCREMENT PRIMARY KEY,
4     username VARCHAR(100) NOT NULL UNIQUE,
5     email VARCHAR(255) NOT NULL UNIQUE,
6     password VARCHAR(255) NOT NULL,
7     is_admin TINYINT(1) NOT NULL DEFAULT 0,
8     created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP
9 );
10
11 CREATE TABLE articles (
12     article_id INT AUTO_INCREMENT PRIMARY KEY,
13     title VARCHAR(255) NOT NULL,
14     content TEXT NOT NULL,
15     author_id INT NOT NULL,
16     is_active TINYINT(1) NOT NULL DEFAULT 0,
17     created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
18     FOREIGN KEY (author_id) REFERENCES school_publication_users(user_id) ON DELETE CASCADE
19 );
20
21
22 CREATE TABLE notifications (
23     notification_id INT AUTO_INCREMENT PRIMARY KEY,
24     user_id INT NOT NULL, -- recipient of the notification
25     message TEXT NOT NULL,
26     is_read TINYINT(1) NOT NULL DEFAULT 0,
27     created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
28     FOREIGN KEY (user_id) REFERENCES school_publication_users(user_id) ON DELETE CASCADE
29 );
30
31
32 CREATE TABLE edit_requests (
33     request_id INT AUTO_INCREMENT PRIMARY KEY,
34     article_id INT NOT NULL,
35     requester_id INT NOT NULL,
36     status ENUM('pending', 'accepted', 'rejected') NOT NULL DEFAULT 'pending',
37     created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
38     updated_at TIMESTAMP NULL DEFAULT NULL,
39     FOREIGN KEY (article_id) REFERENCES articles(article_id) ON DELETE CASCADE,
40     FOREIGN KEY (requester_id) REFERENCES school_publication_users(user_id) ON DELETE CASCADE
41 );
42
```

```
schema.sql act3_school_newspaper index.php act3_school_newspaper classloader.php .../writer Database.php act3_
CODES > act3_school_newspaper > schema.sql
43
44 CREATE TABLE shared_article_access (
45     access_id INT AUTO_INCREMENT PRIMARY KEY,
46     article_id INT NOT NULL,
47     writer_id INT NOT NULL,
48     granted_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
49     FOREIGN KEY (article_id) REFERENCES articles(article_id) ON DELETE CASCADE,
50     FOREIGN KEY (writer_id) REFERENCES school_publication_users(user_id) ON DELETE CASCADE,
51     UNIQUE(article_id, writer_id)
52 );
53
54
55 CREATE TABLE deleted_articles_log (
56     log_id INT AUTO_INCREMENT PRIMARY KEY,
57     article_id INT NOT NULL,
58     deleted_by INT NOT NULL,
59     deleted_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
60     FOREIGN KEY (article_id) REFERENCES articles(article_id) ON DELETE NO ACTION,
61     FOREIGN KEY (deleted_by) REFERENCES school_publication_users(user_id) ON DELETE NO ACTION
62 );|
```

IV. SOURCE CODE:

https://github.com/xyw0m/3_MAINTENANCE_WORK_FOR_SCHOOL_NEWSPAPER_SYSTEM/tree/main/act3_school_newspaper