Database Programming 2 Project

Project Members

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Project URL

http://dbpr2srv1.westeurope.cloudapp.azure.com/~u202001264/Database_Programming2_Project/

Built In Accounts for Testing

| Username	Password	Role
bob	123	Viewer
tom	123	Author
admin1	123	Admin

Further created accounts have stricter password requirements.

Extra Features

- Article editor using Quill.js
- User profile page with ability to change email, password, author description, and delete account.
- AJAX, jQuery, and prepared SQL statements were used in this project.

Entity-Relationship Diagram
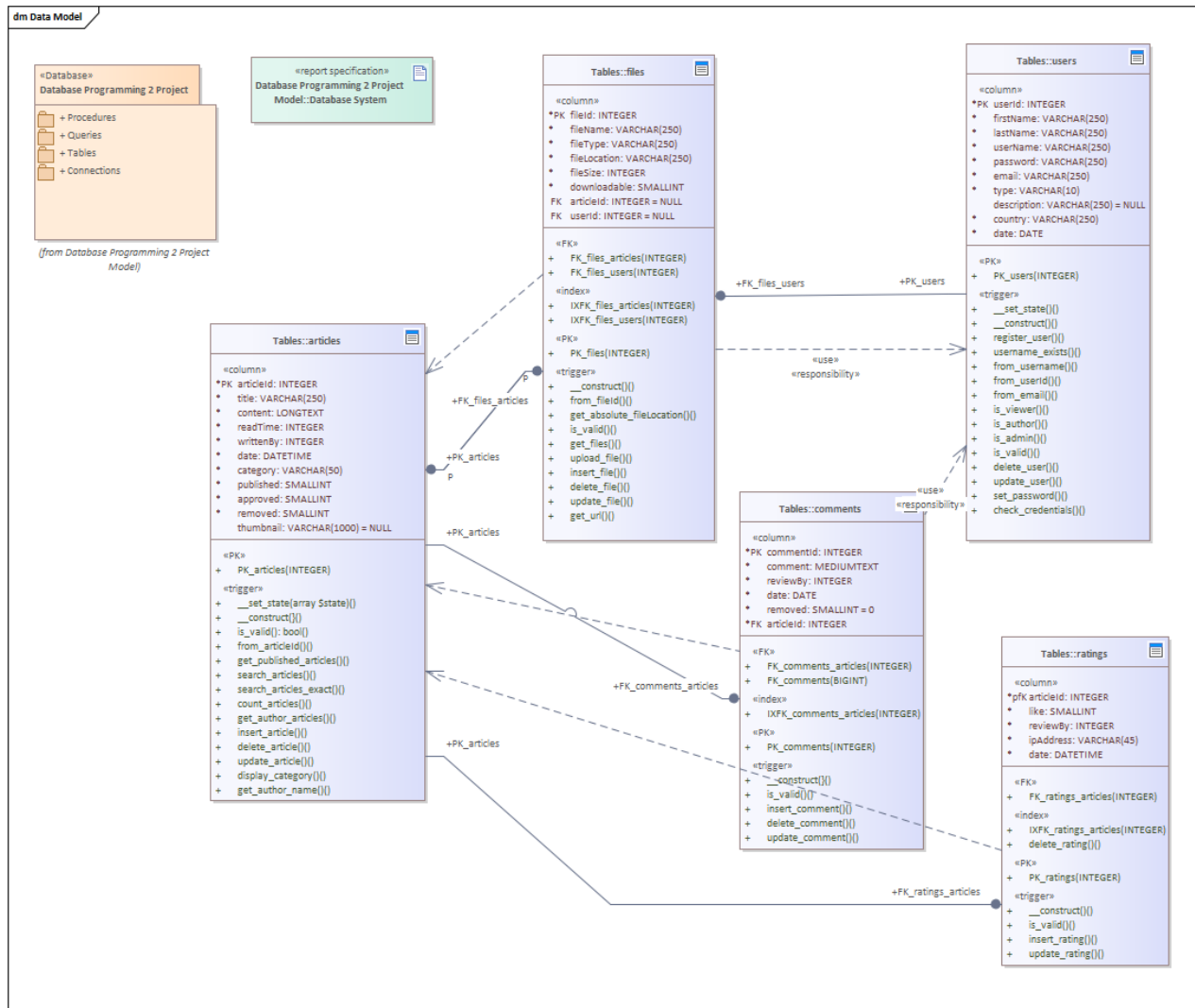
Test Plan

1. Test Login, Register, and Logout:
   a. from home page, use the last links in the navbar to test the functionality of register
   b. After creating an account and automatically logging in, try logout.
   c. Try login
2. Home page and categories pages:
   a. Navigate to the pages using the navbar, Try using pagination
3. View articles:
   a. From home page or categories, click read more for any article.
   b. Observe content of article
   c. Some articles have attachments, try downloading
   d. Observe comments and ratings
   e. Try rating article with and without login
   f. Try adding comment with and without login
4. Search Articles:

      a.   From the navbar, use the search bar to search for articles

      b.   Click more search options

            i.   Try author name search with ('tom,' 'Muhannad,' 'amin')

           ii.   Try end date with (2023-05-31 and 2023-06-01)

5. Author panel:

      a.   Log in as tom (password 123)

      b.   Click author panel from navbar

      c.   Try create article

            i.   Change title and category, insert content, click save

           ii.   Try preview, go back

          iii.   Try uploading an image from the editor toolbar (3rd from last)

          iv.   Try adding a video using its URL from the editor toolbar (2nd from last)

            v.   Try uploading and deleting attachments

      d.   Try publishing the article

      e.   Try clicking on published articles

6. Admin Panel:

      a.   Log in as admin1 (password 123)

      b.   Click admin panel from navbar

      c.   Try editing then deleting users

      d.   Try register author

      e.   Try Approving an article

      f.   Edit/Remove article:

            i.   Try edit article

           ii.   Try remove article, then click edit to see what the author will see

      g.   Manage own articles (same as author panel)

      h.   Admin reports:

            i.   Try get popular articles, try end date (2023-06-02 and 2023-07-02)

           ii.   Select report type get articles by author

      i.   Try Remove comment:

            i.   Go to any published article

           ii.   Click remove on a comment