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### Capstone Meeting Agenda 3

#### Modular Platform Design in Web Development

October 4, 2023.

#### Confirm Design Concept and Style.

- Color Scheme
  - Should there be a dark mode?
    - Adding Dark mode (Which theme)
- Layouts
  - Nav and Sub Nav
  - Footer, Can Items, and Categories
    - Sticky footer
  - Featured Lander
  - Recent Showcase (Can be made to be any other kind of showcase) and Polaroid stylized cards.
  - About section.
    - Should we keep the terminal or keep the section in general. (It was added to give personality)
      - Keeping terminal Changing Image
  - All sections approved
- Other Pages
  - Should other pages be in the same style with the colors, or should it be plain. For example, should the article page be white instead of the colored background to make it easier to read.
    - Article Webpage Style will be plain with small minute theme details to keep theme constant
  - Dark mode to let the user choose how they read.
    - Including Dark mode on article page.

(If time – Scott will take control on this part since he has more experience with databases.)

#### Database

- Attributes for:
  - Articles.
    - Article\_ID:(Unique hexadecimal code generated by employing a hash function) Example:

a1b2c3d4e5f67890a2b3c4d5e6f7a8b9c0d1e2f3a4b5c6d7e8f9a0b1c2d3e4f

Unique code is required because users can have the same title as other users. This prevents primary key violations. A different unique ID generation may be used if it's more suitable.

- Title
- Author
- Date
- Can Item
- Tag
- Categories
- Body
  - Using rich text editor for the body to include images
- Citation / Work Cited
- Approved/Not Approved: Boolean variable to designate the article to be displayed to page or not (Called Ap\_nap)
- Signed In user.
  - Signed in user will be excluded
- Emails
  - Email: (Database list of emails who wish to be notified when new articles are added ) Example: aawalter@usca.edu
- Student.
  - Student\_ID. Example: @BeastyBoy
  - Name. Example: Austin Walter
  - Class ID: (6 digit numeric code) Example: 260075
  - Email. Example: aawalter@usca.edu
  - Password: (Temporary password for login that will be revoked within a designated time period) No Example: User designated, however should contain min 8 characters, 1 special character, 1 capital letter, and 1 number.
- Admin/Professor.
  - Admin\_ID. Example: @Dr.Warren
  - Name. Example: Amanda Warren
  - Password. No Example: User designated, however should contain min 8 characters, 1 special character, 1 capital letter, and 1 number.

### Description:

The database contains the following, Articles, Subscriber Emails, Students, and an Admin. The admin has an admin id (Primary Key), a name, an email and password, which they use as login credentials. The student has a Student ID (Primary Key), a name, an email and password, which they use as login credentials. The student is required to submit a **valid** class ID before being able to sign up. Class IDs are generated by the admin, which only works for a designated period. After signing up and/or logging in a student may submit their article. The student submits an article with a title, author, date, can item, tag, categories, body, and a work cited. After

submission the article receives a Unique ID to that article, and the article is associated with the student by their ID (Foreign Key). The Article, before being published, waits for the admin's approval. If not approved, the student must re-submit the article. Student accounts will be deactivated after a certain period. Subscriber emails must be checked if they are already contained within the database to prevent primary key violations.

### **Relationship Model Key:**

**SAMPLE** = Entity Name

**SAMPLE** = Primary Key

**SAMPLE** = Foreign Key

### **Relationship Model:**

**ARTICLE:** [Auricle\_ID, Title, Author, Date, Can\_item, Tag, Categories, Body, Work\_Cited, Ap\_nap {**Student\_ID**}]

**EMAILS:** [Email]

**STUDENT:** [Student\_ID, Name, Class\_ID, Email, Password]

**ADMIN:** [Admin\_ID, Name, Email, Password]