CU Pep Band
Database Management System
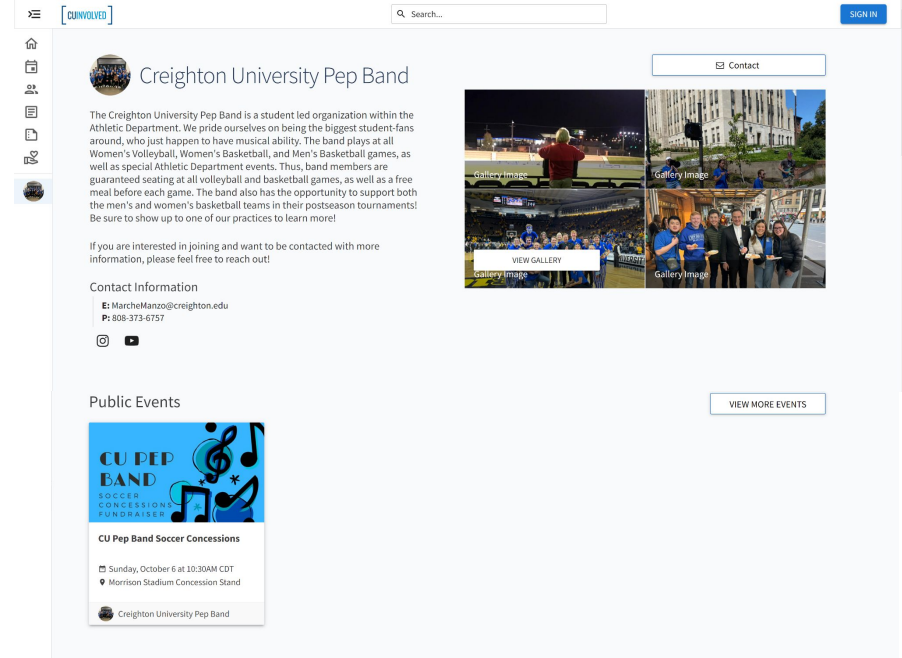
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Introduction

- Executives of the Creighton Pep Band work with lots of data pertaining to
  - Members
  - Songs
  - Instruments
- A DBMS would improve the efficiency and ease of management of this data

User Privilege Layout

General Level Requirements

- Access to pep band information
  - About the band
  - What we do
  - Public events
- Access to executive contact information
- Ability to request club registration
  - Login/sign up page for users
  - Requires fields for netID, email, and password
  - Optional fields to request executive account or new member page
  - Two factor identification

Member Level Requirements

- Permission submit requests
    - Instrument rental
    - Folder rental/replacement
    - Song replacement
- Permission to view all events
- Access to account information
    - View non-executive member information
    - Edit password, member song preferences
    - Request privilege change

Executive Level Requirements

- Search pages for:
    - Members
    - Songs
    - Folders
    - Instruments
- Upload pages for:
    - Setlist generation
    - Attendance scoring
- View requests for:
    - Songs
    - Instruments
    - Folders

Administrative Level Requirements

- Search page for app users
    - Change permissions
    - Delete users
- App changelog
    - Check database integrity
- Request page
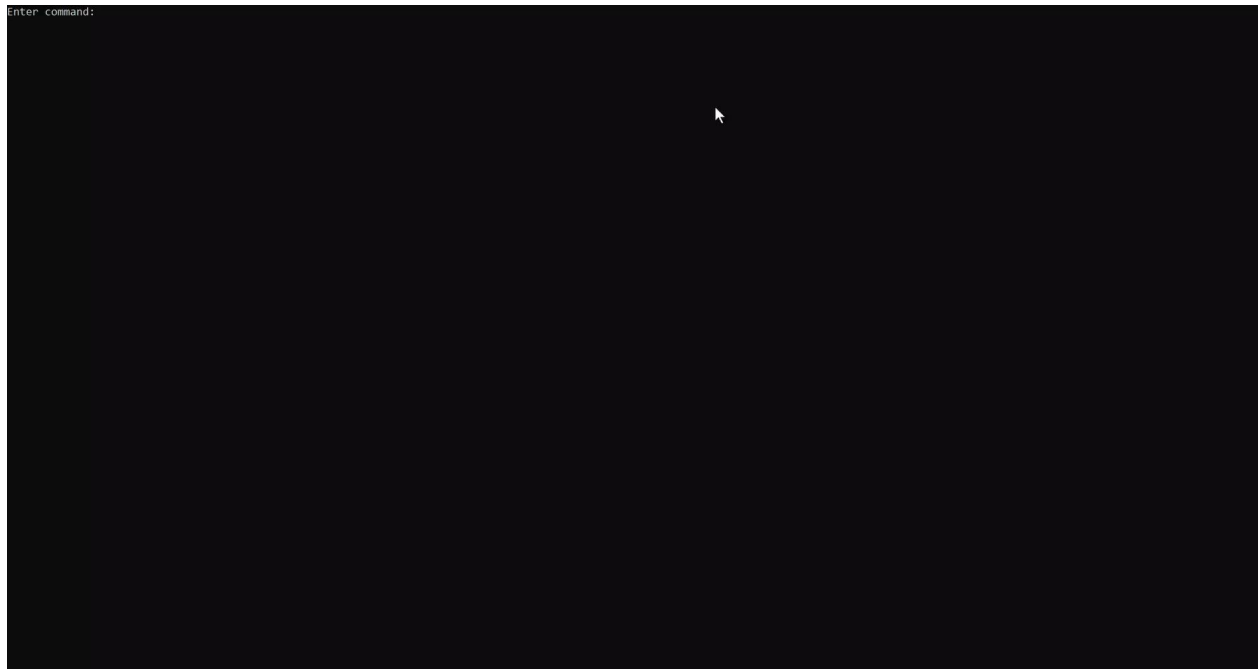   - Permission changes
    - Member enrollment

Timeline - Sprint Tasks

1. Develop project concept and layout
2. Work on backend model and phase 1 presentation
3. Create high priority frontend pages (current)
4. Incorporate backend functionality
5. Test app functionality and input sanitization
6. Create and link SQL server to app
7. Create phase 2 presentation

Current Git Repository

Current Progress - Text-based UI DBMS

Conclusion