

## Homework 1: *Node App Pt. 2*

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# AUDIO / VIDEO APP

## Authoring 3 HW 1

Part 1 - Creating the back end and routes

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## Assignment Description:

You will be building a Node-based video app in the Authoring class, using queries and database assets that you'll be compiling the the Advanced Web class. Create the app file that will be used to serve / run your project using conditional rendering and templates from the back end. Use the appropriate modules to add functionality to your application.

## Assignment Requirements:

### Part 2 - Winter Term:

Use Node and Express (and other modules) to create a project complete with application routes. The routes, plus user permissions, will determine what that user sees at any given time. There should be different assets served per user (a Kids profile serves different UI / assets than Parents).

The app should serve up all of the audio / video associated with a default category; load and play a default selection.

Filter through categories and display all of the selections available (load and play a default for each); clicking on a thumbnail should load and play that video and show its details - for example its rating, reviews / starred reviews, social media icons (non-functional for now).

### ***Detailed Requirements:***

1. Update the folder structure for the application (refer to class examples).
2. Use NPM to add and save dependencies / modules.
3. Create and run your app.js file using Node / Express; implement routing and rendering with EJS (or another rendering engine)
4. Retrieve and filter data / populate views from a database using the mysql module and server-side rendering
5. Load and play video on a thumbnail click; show that video's details page with reviews, stars, non-functional social media icons etc
6. Create a repo / **detailed readme** and push your development branch to it. Your master branch will be the base build; we will be adding branches based on modules and functionality.

### **Submission:**

- Homework must be submitted by midnight of Week 7 (March 5 / 9)
- Github repo: master branch with any other dev branches you feel you need
- Name the dev branches appropriately per feature IE dev.tvr.login, dev.tvr.commenting
- Submit the repo link via FOL dropbox

#### REQUIRED SUBMISSION FILES:

Please follow correct folder and file structure as outlined in class

### **Additional Information:**

Missed tests/exams will not be rescheduled without some valid evidence of some important event over which the student has no control (e.g., Court appearance, death in the family). Missed tests or exams, therefore, can receive a zero. The students are advised to notify the professor prior to missing the test.

Students are expected to hand in all assignments to the course instructor on the due date, and all assignments must be submitted in the format specified by the instructor (e.g., on FOL, in printed form, on a specific lab computer, etc.); assignments will not be accepted in any format other than that specified.

Late assignments will not be accepted, nor will make up test or assignments be permitted, without some valid evidence of some important event over which the student has no control (e.g., documented illness, death in the family). Missed tests or assignments, therefore, will receive a mark of zero. Late assignments and make-up tests will only be permitted following the submission of adequate documentation acceptable to the instructor (e.g., a doctor's note). Students are advised to notify the instructor prior to missing an

assignment due date or a scheduled test.

Immediately upon return from an illness/absence in which a test or assignment has been missed, the student is responsible for contacting the course instructor to discuss the problem. The instructor will make arrangements for any student deemed eligible. The alternative test/assignment will be of equal value to the one missed with no grade penalty. The timeline and due dates will be determined by the course instructor.

At mid-term, any unsatisfactory results will be reported to the student.

This course may be revised by the professor with suitable notification to the students. Students are responsible for making arrangements to pick up missed handouts, assignments and course announcements from classmates.

Plagiarism (e.g., failure to acknowledge sources used, submitting another student's work under your name, or producing work for another student to submit) is a serious academic offense that shall result in appropriate penalties, to be determined at the discretion of the course professor in consultation with the chairperson of the Communication Arts division. The penalties shall range from failure of an assignment to possible failure of the course. Students shall not make the assumption that any provision will be made by the professor to permit the student to rewrite or redo failed assignments.