10.4HD: Complete Awesome Website Feature(s)

Tasks

In this task you are required to research and implement one or more features into a web page. Using your knowledge gained in this unit so far combined with your research and experimentation, the feature(s) implemented should demonstrate an **extension to your knowledge** and the ability to **communicate this to others**. In doing so you should be able to highlight the **awesomeness** of the feature(s).

Examples of features you could consider to research/develop/implement can include (*but in no means limited to these*):

- Application of extended user interface styling/interaction effects (i.e., background image scrolling, more involved or tailored *Bootstrap components*) to implement/enable a *positive user interaction* with your webpage.
- Implementation of more involved routing methods and error handling in the server side, within the *express* code.
- Implementation of (more) secure user authentication mechanisms - such that the *username* and *password* are **not** sent or stored in *plain text*.
- Dynamic content within a web page that is produced from JSON data, which could be obtained from a local or remote webserver.
- Alternate permanent storage (database) approaches.

NOTE: Your web page should also include information/descriptions of the feature(s) you **have** implemented and **how** they were implemented in your page. Your website should be a small but clear **wiki** / **tutorial** on the how these specific feature(s) were implemented, allowing another developer easily implement similar features.
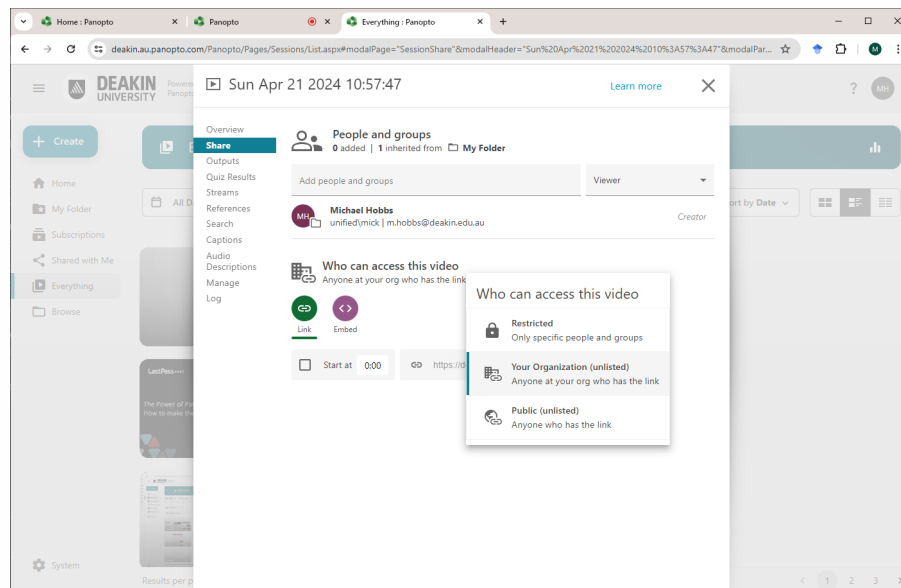
> ## IMPORTANT: BEFORE YOU START
>
> Please discuss your ideas for the topic of this task with the Unit Chair **before** starting **by adding a message to your Ontrack chat session in Task 10.4HD**. This is to ensure you have selected a topic/area that has sufficient depth needed to meet the requirements of the task. The SIT774 team will respond to your proposed topic giving you approval to proceed or suggestions on how to deepen or refine your topic.

What will you submit?

You should submit a **single PDF document** that includes:

- A brief introduction and overview of the topic/feature(s) you have selected for this task (that are expanded further in the webpage itself).
- A link to a **source code repository** containing your project (i.e., a github repo).

- A link to a narrated **video** of your project walkthrough (**10 mins max**) that highlights/demonstrates the awesome features your have developed and explains how these were implemented. The video should be uploaded to *Deakin Panaopto* (https://deakin.au.panopto.com/) – ensuring this uploaded file is visible to people from this organisation (Deakin) with the link.

Task10.4.1 Panopto Seetings