**Professional Diploma in Cross-platform Applications Development (Web Parts) / Professional Certificate in Stack Web Development**

**Part III - IT524048Q Full Stack Web Development (Project)**

Deadline

The deadline for this assignment is **31 May 2025 (mid-night)**.

Introduction

You will launch an online film shop (you can define the company name for this online shop). You are going to deploy this e-shop website on a cloud services platform. The shop will provide an online service to play the movie through the website (similar to NetFxxx, iQxxx shop)

In the third stage of the website development, you will create the **major web site with film management through React**. The site map is designed as follows:

The API provides all the information on the website, including the authorisation features. The official API location will be announced in the lesson and on Moodle.

The detail of each page is shown as follows:

1. The landing page (Main page, total 30 marks)
   1. login feature [5 marks]
   2. List film (Basic information only) [5 marks]
   3. Web site header and footer designed by you (Any information provided by the tutor will not be marked) [5 marks]
   4. Each film is available with a link to a detail page (Film detail) [5 marks]
   5. All detailed information available from the API must be displayed here. (Deduce 50% if the ObjectID displayed on screen.) [5 marks]
   6. A back button is available to go back to the main page. [5 marks]
2. Add film page (Total 20 marks)
   1. Only staff can access to this page, a routing link should be available after login. [5 marks]
   2. There is one textbox available for staff to input the film name. The film's detailed information will be loaded once the search button is clicked through the designated API endpoint. [5 marks]
   3. The film information should be available for the staff editing (Film name and poster cannot be changed.) [5 marks]
   4. There is a cancel button to go back to the film listed page and a save button to all the designated API endpoint to save the film information to the database. [5 marks]
3. Other features: (Total 20 marks)
   1. The API will return a token each time for each login. You should store the token and send the token for each authorization feature. [5 marks]
   2. A good design with a well-structured CSS design. [5 marks]
   3. Well-structured React project structures (views, components, router…) [5 marks]
   4. A video demonstration is required, which should not exceed 3 minutes. [5 marks]
4. Bonus features: (Total 30 marks)
   1. Logout feature (Update database is NOT required) [1 mark]
   2. No hard-coded data [4 marks]
   3. Paging list view for the film list. [5 marks]
   4. Filtering the list based on months [5 marks]
   5. Staff account password change page. [5 marks]
   6. The current date/time information is somewhere on the landing page. [5 marks]
   7. Any feature that not listed above but related to the case. [5 marks]

API information is available here: <https://pcpdfilm.starsknights.com:18888/>

User information: (will be available on April 27)

Customer: c(studentid)

Staff: s(studentid)

Default Password: 1234567890

Good Sample:

<https://www.youtube.com/watch?v=zGggOOAOUxs>

Normal Sample:

<https://www.youtube.com/watch?v=TUcumHqr4GI&sttick=0>