# **Project Title**

MovieHats

# Date: 17/08/21

# Recipient Organization: National College of Ireland

Course Title: Higher Diploma in Science in Computing (Software Development)

# **Deferral Progress Report**

## Project overview

Student: Rory Cleary x19139306

Project name: MovieHats

The project concept is to create an online store for the purpose of selling movie memorabilia, specifically hats that were used in famous movies. Development of the project began with a database created in MySQL workbench. Once finished it was imported into the AWS Cloud9 IDE, where the design of the frontend and backend of the project continued to take shape. The project was developed using several different server-side and client-side programming languages. These were in particular, Ruby on Rails, HTML and CSS. Testing of the project is ongoing and any issues encountered were rectified immediately or were put back to deal with once more research was undertaken to ensure the project got completed. App to be hosted on Heroku, once completed, for User testing and functionality purposes.

## **Project expected deliverables**

Project Brief – signed and dated

Project Proposal – detailing the choice of application concept, displaying knowledge of the different aspects studied on the course

Ethics Approval Form – signed and dated

Project Requirements Specification – the various diagrams that have been designed to display the project views and overall goals. Use Case and Class diagrams will be included

Project Analysis & Design Documentation – these diagrams and documents display the architecture and software processes required for the project to the developers

Deferral Progress Report – outlines the project progress and what issues you encountered. Also how did you rectify these issues going forward?

Project Final Report - a definitive report of the entire project

Project Code – the complete codebase utilised

Declaration Cover Sheet - declaring that all the information in your project is pertaining to research that was personally conducted

Video of project – a short audio/video presentation of the application in operation and the various functions connected to it

## **Project actual targets met**

Currently the following are the targets that have been met:

Project Brief, Project Proposal, Ethics Approval Form, Deferral Progress Report, Project Code (which will be updated until the deadline).

## **Deliverables yet to be achieved**

The deliverables that are yet to accomplished are:

Project Requirements Specification – the various diagrams that have been designed to display the project views and overall goals. Use Case and Class diagrams will be included. I envisage that this deliverable will be achieved.

Project Analysis & Design Documentation – these diagrams and documents display the architecture and software processes required for the project to the developers. I envisaged that this deliverable will be achieved.

The final Project Code and Final Technical Report are also yet to be completed but I envisage that they will also be completed before the submission date is nigh.

Video of project – a short audio/video presentation of the application in operation and the various functions connected to it.

## **Main problems encountered**

The main difficulties that I have encountered, so far, have been in the authentication phase and the redirect from PayPal after submitting the payment of the app development. I have currently some issues with these areas, but hopefully with some more research achieved, I will rectify these issues.

## **Expected Stumbling Blocks**

Unfortunately with this project having to be deferred due to circumstances beyond my control, I have encountered time constraint issues. I will however, endeavour to complete this project to the best of my ability, and hopefully develop an application that I can be proud of and fulfils all the expected deliverables required from my lecturers and NCI.

## **Focus on rubric**

Communication - Presently I believe that this project is measuring up for a grading representing a H1. I will present the project with enthusiasm and outline it comprehensively.

Writing and Presentation Skills – The project has been written in a formal academic style with Harvard Referencing implemented where required. Code samples and illustrations are utilised where necessary.

Complexity/Coding Skills – I have developed the codebase to a high standard and complex issues have been implemented in the code.

Technology – Many leading edge features of the HTML/CSS and Ruby on Rails languages have exploited and inserted into the project.

Completeness – the project is currently near to being a commercially viable option. When I figure out the issues with the authentication functions, it will be very close indeed.

Testing/Evaluation – System testing is on-going and continuous with the final goal of End User testing still in place.

Project Management – as I have only a short space of time to complete this project, the project management aspect must be strictly adhered to.

# **Summary of project progression**

As mentioned earlier, unfortunately due to a serious road rage incident my family and I were involved in just before Christmas 2020, I was unable to undertake the completion of this project module originally. I applied for a deferral and with great thanks and appreciation to NCI, received a positive outcome, and as a result began this project on 05/08/2021 with the submission date on the 28/08/2021.

I have chosen to submit my project as an online store. It will have all the functions required of a commercial web application. Functions such as authentication, a shopping cart and a search area, have been coded into place. These functions will interact with a database, hosted on a server, which will produce the requisite end user result, when activated.

In relation to the project management aspect, I designed a Gantt chart from the outset, and strictly adhered to this structure to bring this project to a successful completion. If a change of itinerary was required, I endeavoured to keep these alterations to a minimum, as much as possible. When producing a project of this scale it is inevitable that slight deviations will be required. However if I could stay as close as possible to the original plan, the project would be completed and submitted on time.

As this moment in time I have some issues with the authentication and payment functions of the app. Due to these bugs, further research is required to rectify these issues. With this in mind I still envisage producing an application which will fill all the requirements for a commercially viable web application.

My plan is to finish with the main coding and testing and then fully concentrate on the reports involved. With this in mind, I will begin the final technical report on 23/08/2021 and complete it by the submission date on the 28/08/2021.

Signature of author:

