

COMP229 – Web Application Development

Project Part 2 – First Release

Due: End of Week 9

Value: 10%

First Release

Database-Backend connection -API Testing

Overview:

1. Your team is responsible for the first release of your Web Application. This is **NOT** a complete web application but rather your first project release containing some complete elements and progression towards a fully polished site.
 - **Create** an appropriate object or data associated with the type of site you have selected to build (e.g. a Survey Site should allow the user to create a Survey, a Tournament site should allow the user to create a Tournament, a Incident Management site should allow the user to create an new Incident record, Learning Management System App, Library app, Dental app, social media app e.t.c).
 - Create the appropriate database and collections for the application you are building.
 - Create/ Build the backend of your application using express, node js using the MVC structure and the routes for the user object.
 - Create the user APIs for the CRUD operation and test the APIs.
 - Perform Authentication and Authorization and test the auth APIs.
 - Your site should allow the user to perform **full CRUD** (Create, Read, Update and Delete) operations on the type of objects and data relevant to the site you have selected to build.
 - Your site does not have to be pretty at this stage, just functional.
2. Include a first draft of an **External Design Document** that includes Your Team Name, Logo, Table of Contents, Wireframes for most top-level features of your site, and initial screen shots.
3. Your team must also demonstrate progress towards the final web application project by providing a link to the project's **GitHub repository**. Ensure the repository contains commits from each member of the group. Ensure your project is organized, understandable and named appropriately.
4. You must keep track of your project by using an **Agile Project Management** tool (e.g. Jira, Trello, etc.). Your tracking tool should include a Product Backlog and a Task Board.
5. Create a Short Video presentation on **YouTube** or another streaming provider. You must include a short **PowerPoint** (or Google Slides) Slide Deck that includes **two slides**.

- a. The **First Slide** of your Slide Deck must include, your **Team Name** and **Logo** (developed during Contract creation and Team Formation), the **Full Names** and **Student IDs** of all team members involved in the project, the **Course Code**, **Course Name**, and your **Project** information (which type of project you have selected)
- b. The **Second Slide** of your Slide Deck must include **current images** (mugshots) of each team member (no avatars allowed) that are displayed appropriately on the page. The team member's **Full Name** and **Role** must appear underneath their image.
- c. One or more team members will **demonstrate** your site's **functionality**. They must showcase the application working properly
- d. One or more team members will **briefly describe the code** in your web application that drives the functionality of various features of your site.
- e. Sound for your Video must be at an appropriate level so that the voice of any presenter may be **clearly heard**, and the screen resolution should be set so that code and site details are **clearly visible**.
- f. Your Short Video should run no more than 5 to 10 minutes.

Submission Details:

- A zip archive of your Project Files uploaded to eCentennial. Rar archives **will not** be accepted.
- An External Design Document (EDD) v.1 (PDF Format)
- GitHub link to team's working project repository
- A link to your Demo video (YouTube preferred).
- A snapshot of your Project's current Product Backlog (PDF Format)