SIT725

5.2C

USING MVC STRATEGY

### Intro

This week's focus is on learning the MVC (Model-View-Controller) architecture to create reliable, flexible, and well-structured foundations for building larger applications. MVC is a software design pattern that separates an application into three interconnected components: the Model, View, and Controller.

The Model represents the application's data and business logic. It encapsulates the data and provides methods for manipulating and accessing it.
The View is responsible for displaying the application's user interface. It presents the data from the Model to the user and captures user input.

The Controller acts as an intermediary between the Model and the View. It receives user input from the View, updates the Model accordingly, and instructs the View to display any changes in the Model.
By using the MVC pattern, applications become more modular, maintainable, and scalable. It promotes code reusability, separation of concerns, and easy collaboration within development teams.

### Instructions

This week's practical exercise holds significant importance, particularly for students aiming to achieve a Credit or higher grade (D/HD) in this unit. It is crucial to utilise the MVC architecture in your group project.
As in previous weeks, import your weekly project into a new repository. Make the necessary modifications to transform your codebase into an MVC-style architecture. This involves appropriately dividing your code into the Model, View, and Controller components, ensuring clear separation of responsibilities and enhancing the overall structure of your application.
Adopting MVC in your project will contribute to its robustness and maintainability, aligning with the best practices of modern software development.

### Submission details and Delivery

- Once you are done, push your code into your repo. Pls follow the github guidelines given in Task 1.4P.
- Share your repo link and provide screenshots of the running code as evidence, convert it to .pdf and upload it to the OnTrack.

**If you want to be sure, simply clone your repo. If you can clone it, I can clone it** 😊