**BBT 1303 Software Development**

**Project Proposal**

Using Python programming language, [Flask framework](https://youtu.be/45P3xQPaYxc) and practicing [secure coding techniques](https://www.codingdojo.com/blog/secure-coding-practices), develop a web application software product for upcoming climate change conference that will demonstrate the environmental changes experienced in your locality for the given scenario/background below.

***“Why is digital customer experience important? Secure and reliable digital experiences are essential to modern-day living, and of course are a priority for product and development teams in digital-first organizations. Creating and maintaining them is also hard, and when it comes to increasing user acquisition and retention, while building a sense of trust, exceptional digital interactions and services are required.”***

**Group activity**

This assignment will be done in groups as already assigned and indicated on elearning portal. Collaboration and version control using Github will be monitored as you will include me in your project team.

**Project Delivery Expectations**

Cover page template:

Unit Code

Group Name/Number

Student number of Group member/s (only active members should be listed)

Title of Document/report

**Submissions**

* Part 1: Initial documents

*Submit a report indicating objective of the project, system model using class diagram and sequence diagram of the software product to be developed*  – **24 June 2024** (Not more than 5 pages including cover & reference pages)\*\*\*include the group’s github folder link for this project\*\*\*

*A technical report containing the justification for the chosen Software architecture & software design, flowchart and pseudocode for the code implementation AND unit testing for the development in terms of CI/CD*  – **9 July 2024** (Not more than 7 pages including cover & reference page)

* Part 2: Presentation and Demonstration

Prepare a PowerPoint presentation on your project – not more than 5 pages - for a live demonstration of application – **16 July 2024**