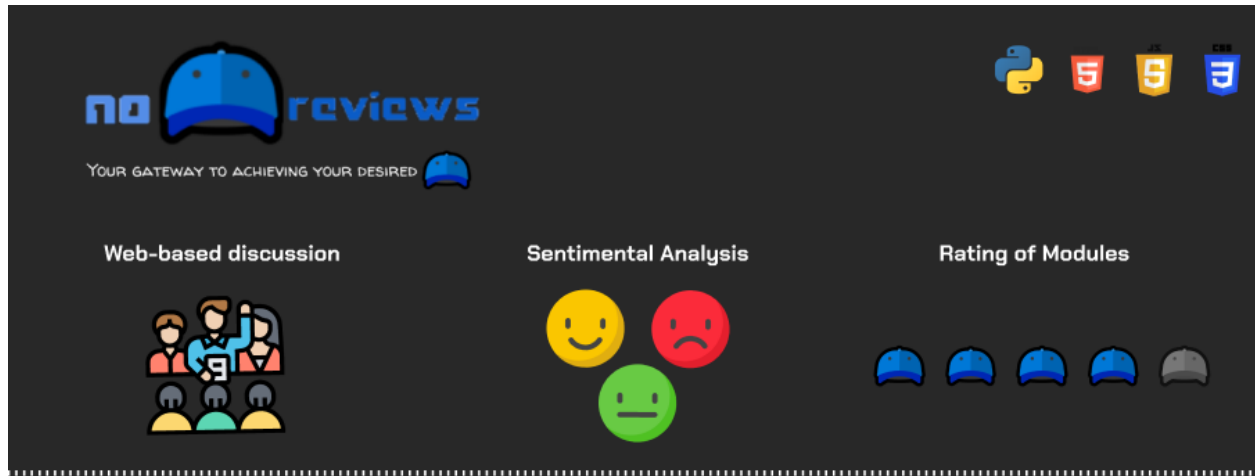


Orbital: Liftoff

Proposed Level of Achievement: Apollo 11



Motivation

When you are **planning your modules** before the semester, and you're worried about the **difficulty and general experience** of a particular module. The current solutions are that you look it up on NUSMods.

However, only the popular modules have insightful reviews and feedback and the less popular modules **may not even have a single review at all**. Even though most undergraduates send in their feedback through LumiNUS, this information is **not available** to prospective undergraduates. So why isn't there a platform which *integrates all this information and makes it available*?

Aim

We hope to provide insightful information to undergraduates about modules that they are interested in, letting them make more informed decisions when it comes to module planning.

User Stories:

1. As a student who has questions about a module they are planning to take, I want to be able to get as much information as possible about that module from past students who have taken the module before.
2. As a student who is struggling with my grades, I want to be able to balance my workload by taking a combination of modules which have varying difficulty.
3. As a professor that is looking to improve the experience of my module, I want to be able to have quick access to the overall sentiments of the module.

Orbital: Liftoff

Scope of Project:

The **Web Application** provides **sentiment analysis** of LumiNUS module feedback information to provide students with the overall sentiment of each module based on a few categories such as **Difficulty, Workload, Teaching Staff** and **Overall Experience**

A **Web-based forum** will allow users to **discuss and validate** the ratings of the modules and provide detailed information on the module if possible

Features to be completed by the mid of June:

1. Web Application
 - a. Allows users to search up modules they are interested in
 - b. Displays general module information and overall sentiment of the module
2. Web-based forum
 - a. Allow users to ask, validate, and comment on the overall sentiments of the module
 - b. Allow users to share personal experiences regarding the module or the teaching staff
 - c. Displays all discussions and feedback

Features to be completed by the mid of July:

1. Sentiment Analysis Model
 - a. Analyse data from LumiNUS module feedback
 - b. Display ratings of modules based on the different categories
 - c. Filter out outdated feedback and provide the latest information on the module

Orbital: Liftoff

Program flow

