

# **Group 17**

## **IT314**

### **Part of the Requirements not been implemented**

This requirements have not been implemented.

#### **2. Roadmap**

(f) View prerequisites have not been implemented:

We were not able to find the logic that how we will provide the link to that specific required prerequisite module. Also if a prerequisite module had never appeared in any previously generated roadmap, the system had no way to render it and it has to generate all prerequisite modules for each roadmap, which is simply not optimal.

#### **5. AI Assistance**

(a) Hint Mode has not been implemented:

Firstly we decided to implement hint mode for coding questions given in quizzes, so that users can see step by step method to solve that particular question. But since we have decided not to give coding question in quizzes module for the reason shown below, thats why we have also not implemented the hint mode.

(c) Optimization done, only code is not rewritten inside editor:

We preferred to give optimization or suggestion of the user written code as a written feedback. This approach encourages users to understand the improvements and implement them on their own and supporting better learning. If the user still wants the suggested optimised code he can directly use the AI Chatbot. This makes the overall flow much more effective.

## **6. Quiz**

### **(a) Quizzes containing coding questions**

It was very difficult and complex for us to implement leetcode style evaluation modules, because for each question we need to generate deterministic and edge case test cases and validate the users code output with it.

If we rely on AI to generate test cases, there is a risk that it hallucinates and gives wrong test cases.

### **(b) Question categories**

We thought that it is redundant because the roadmap generated is already based on users experience level. Plus generally quizzes and evaluation modules are not supposed to show the difficulty level of the questions. For these reasons, we decided not to implement this requirement.