Problem Statement

In this course, you have learnt about object-oriented programming (OOP), and how to use OOP to promote code reuse, therefore increasing developer productivity and reduce potential errors and bugs in your program.

You'll now learn to apply your knowledge of OOP to build a simpler version of the **Discussion Forum** of UpGrad platform that can run locally on your computer.
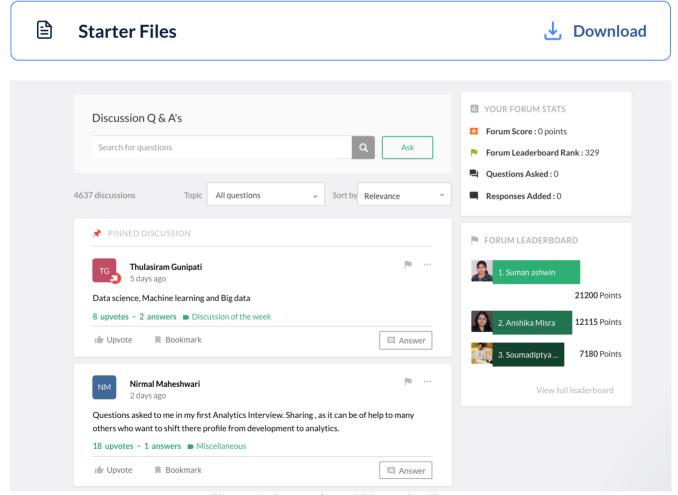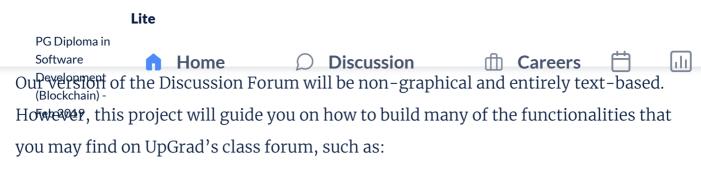
📄 **Starter Files**   ⬇ **Download**

Figure 1 - Screenshot of Discussion Forum

Our version of the Discussion Forum will be non-graphical and entirely text-based. However, this project will guide you on how to build many of the functionalities that you may find on UpGrad's class forum, such as:

- Register and log into a user account

- Create and upvote questions

- Reply to questions, upvote replies, and list all replies to a question

- Delete a question and its replies

Goals of this assignment

We've implemented some parts of the project for you, so you'll need to implement the rest of the project on your own. More specifically, you will need to complete the following parts of the project:

- Question.java

  - All of the constructors and methods in this class

- Reply.java

  - All of the constructors and methods in this class

- The following methods in AbstractEntity.java

  - getId

  - setId

  - autoGenerateId

- The following methods in UserActivity.java

  - postNewQuestion

  - seeAllQuestions

  - deleteQuestion

We have provided **Detailed Instructions** on how to write these classes and functions in the starter files that you can download from Downloads portion given below. You will find these detailed instructions on the next page.

Lite

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polymorphism, and inheritance. In addition, you'll get a chance to read pieces of code written by professional software engineers and learn from them. All of which will help you to develop a strong fundamental knowledge of software engineering and become a skilled software engineer.

Downloads

To work on this project, first, download the project source code from below.

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