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PG Diploma in
Software
Development
(PGDIPSWD)
Feb 2019



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Discussion



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NAVIGATE COURSES
(PGDIPSWD)
Feb 2019

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

The screenshot displays the 'Discussion Q & A's' section of the UpGrad platform. It features a search bar with the placeholder text 'Search for questions' and a green 'Ask' button. Below the search bar, there are filters for '4637 discussions', 'Topic' (set to 'All questions'), and 'Sort by' (set to 'Relevance').

The main content area shows two pinned discussions:

- Discussion 1:** By Thulasiram Gunipati (TG), posted 5 days ago. Topic: 'Data science, Machine learning and Big data'. It has 8 upvotes, 2 answers, and is marked as 'Discussion of the week'. It includes 'Upvote', 'Bookmark', and 'Answer' buttons.
- Discussion 2:** By Nirmal Maheshwari (NM), posted 2 days ago. Topic: 'Questions asked to me in my first Analytics Interview. Sharing , as it can be of help to many others who want to shift there profile from development to analytics.' It has 18 upvotes, 1 answer, and is marked as 'Miscellaneous'. It also includes 'Upvote', 'Bookmark', and 'Answer' buttons.

On the right side, there are two panels:

- YOUR FORUM STATS:** Shows 'Forum Score : 0 points', 'Forum Leaderboard Rank : 329', 'Questions Asked : 0', and 'Responses Added : 0'.
- FORUM LEADERBOARD:** Lists the top three users: 1. Suman ashwin (21200 Points), 2. Anshika Misra (12115 Points), and 3. Soumadiptya ... (7180 Points). A 'View full leaderboard' link is at the bottom.

Figure 1 - Screenshot of Discussion Forum

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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.

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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.

**Report an error**

NEXT
Instructions

