

Usage scenarios for DalOverflow

1. Login Scenario

- ➔ A Dalhousie student opens DalOverflow to explore technical and educational discussions. They enter their Dal email and password, authenticate successfully, and get redirected to the homepage. From this point onward, they can ask questions, search, vote, and interact with the platform.

2. Search Scenario

- ➔ The student wants to check if a question they want to ask already exists. They type keywords into the search bar, immediately see matching questions, and click one of them to read answers. If nothing matches, they proceed to create a new question.

3. Create Question Scenario

- ➔ The student clicks "New Question". They enter a clear title, write a formatted description, including code blocks, choose tags, and even create a new tag if needed. After submitting, user is redirected to it and the question appears in the homepage and becomes visible to other students.

4. Voting Scenario (Upvote/Downvote)

- ➔ While browsing questions, the student finds an answer that is helpful. They click the upvote button, increasing its score. Later, if they reconsider, they can remove their vote or switch to a downvote. The voting interface updates instantly. This also affects their reputation score

5. Tag Selection Scenario

- ➔ While asking a question, the student chooses tags such as "Java," "Code Smell" or "Cloud". The tag dropdown enables them to choose, helping them quickly categorize their question.

6. Tag Creation Scenario

- ➔ If no existing tag fits, the student types a new tag name and creates it. DalOverflow stores it and displays it for future use for the student.

7. Answer Posting Scenario

- ➔ Another student opens the question and decides to contribute. They type answer using the answer box at the bottom and paste code snippets using the rich-text editor. After posting, their answer appears immediately under the question.

8. User Profile Scenario

- ➔ A student clicks their profile icon to view their details. They can see profile details. They return to the main feed through the navigation. Username, email, photo and much more.

9. Notification Scenario

- ➔ The student receives a notification when someone answers their question or interacts with their post.

10. Floating Widget Scenario (Bottom right corner space)

- ➔ The student interacts with the floating UI widget at the bottom-right corner. They can flip cards to view total users, answers and questions respectively. Basically flip-tile based quick stats.

11. Similar Question Suggestion Scenario

- ➔ While creating a new question, the student begins typing the title and description. As they type, DalOverflow automatically displays a list of similar questions that already exist on the platform. The student quickly checks these suggestions. If one of them already solves their issue, they open it instead of posting a duplicate. If not, they continue creating their own question.

12. Edit Question Scenario

- ➔ After posting a question, the student notices they forgot to add a key detail. They return to their question, click the edit button, update the details and save the changes. The updated question is shown immediately, allowing others to see the corrected version.

13. Edit Answer Scenario

- ➔ A student who previously answered a question realizes they can improve their answer. They click edit button beside their answer, modify the text or code snippet, and save it. The answer is updated, and everybody can now see the enhanced version of the answer.

14. AI Answer Scenario

- ➔ Any student can see an AI-generated answer as soon as getting redirected to a single question. An AI answer based on the question's content is generated. The student can use this AI answer either as a starting point or as extra guidance.

15. AI Summary Scenario

- ➔ When a question has multiple answers, it can be difficult to read through everything. The student clicks the AI Summary button, and a short, combined summary of all existing user answers is generated. This helps the student quickly understand the key ideas without reading every response individually.

16. Reputation Scenario

- ➔ Every time a student's question or answer receives an upvote or downvote, their reputation changes accordingly. As they participate more, their score grows and reflects their contribution level on the platform. This creates a sense of progress and recognition for helpful activity further promoting engagement.

17. Landing Page Browsing Scenario

- ➔ After logging in, the student is taken to the homepage. Here, they browse through a list of new or best questions as selected by their choice of filters. They can open anything that interests them, search for specific topics, check notifications or navigate to create a question, user profile or just toggle and play with the widget on bottom right corner.