

## Task: Create an Advanced FAQ Section with Search and Filtering Functionality

### Objective:

Develop an interactive and advanced FAQ section for a website. This section should allow users to search and filter questions by categories, offering a streamlined way to find answers to common queries. The task involves implementing search functionality, filtering options, and responsive, animated transitions.

### Requirements:

#### 1. Layout and Structure:

- Use **HTML5** to structure the FAQ section with the following components:
  - **Search Bar:** Positioned at the top, allowing users to type keywords to find specific questions.
  - **Category Filter:** A dropdown or tag-based filter where users can select categories (e.g., “Account,” “Shipping,” “Payment”).
  - **FAQ Items:** Each question/answer pair should include:
    - A clickable question title.
    - An answer section that is hidden by default and expands when clicked.
    - An icon (e.g., “+” or arrow) that rotates upon expansion for visual feedback.

#### 2. Styling:

- Use **CSS3** to create a visually appealing and user-friendly design.
- Add smooth transitions for expanding/collapsing questions, as well as for filtering and search animations.
- Differentiate active/open questions with a distinct background, border, or font color.
- Include hover and focus effects on interactive elements (questions, filters, search bar).

#### 3. JavaScript Functionality:

- **Search Functionality:** Write a JavaScript function to filter FAQ items based on keywords typed in the search bar, updating results dynamically as users type.
- **Category Filtering:** Implement a function to filter questions by selected category, displaying only relevant items.
- **Expand/Collapse Animation:** Each question should expand/collapse smoothly when clicked, and any open questions should automatically collapse when a new question is clicked.

#### 4. Responsiveness:

- Use **media queries** to ensure the FAQ section is fully responsive.
- The layout should adjust for desktop, tablet, and mobile views, with the search bar and filter dropdown stacked or repositioned for smaller screens.

#### 5. Accessibility:

- Ensure all interactive elements are keyboard-navigable and include **ARIA attributes** for screen readers.
- Focus indicators should be prominent for users navigating by keyboard.

### Bonus (Optional):

- Implement a **“Clear Filters”** button to reset all search and category filters.
- Add an animation for the search bar, where it highlights when focused, guiding users’ attention.

### Deadline:

- **17th November 2024**

### Submission:

Please submit the HTML, CSS, and JavaScript files along with a screenshot of the FAQ section on both desktop and mobile views.

