

Technical Interview Task: Word Translation Dashboard with Public View

Goal

Create a web application with two parts:

1. **Management Dashboard:** To edit translations of pre-set keywords and add new keywords with translations, with the ability to sort keywords by dragging.
2. **Public View Page:** To show keywords and translations, with an option for users to change the language.

Data should be stored as JSON in localStorage and updated after every change. Keywords are pre-set with translations from the start, but users can edit them or add new keywords.

Requirements

- **Management Dashboard:**
 - Show a list of pre-set keywords and their translations.
 - Edit existing translations for any language.
 - Add a new keyword with a translation for one language (other languages will have the new keyword but no translation yet).
 - Sort keywords by dragging them to change their order.
- **Public View Page:**
 - Display keywords and translations in a user-friendly way.
 - Let users switch the translation language (show empty translations if none exist).
- Save data in localStorage as JSON and update it after each change.

Technical Requirements

1. **HTML, CSS, JavaScript:** Build an attractive and responsive interface using HTML5, CSS3, and JavaScript ES6+.
2. **React:** Create modular components using hooks like useState and useEffect.
3. **Context:** Manage the app's state using React Context.
4. **localStorage:** Store and retrieve data as JSON.
5. **Advanced Software Development:** Write clean, maintainable, and efficient code.

Evaluation Criteria

- **Code Quality:** Clear, structured, and well-written code.
- **State Management:** Smart use of Context and syncing with localStorage.
- **UI/UX Design:** User-friendly and responsive interface for both pages, including smooth drag-and-drop sorting.
- **Performance:** Fast and accurate language switching, sorting, and data saving.
- **Data Structure and Logic Choices:** Briefly explain why you chose your data structure and implementation logic (in README or during presentation).
- **Documentation:** Clear and helpful project documentation.
- **Creativity:** Add extra features like filtering keywords or language switch animations.

Notes

- Suggested time: **3 to 5 days**.
- Submit the project as a zip file.
- Include at least 3 languages.
- Start with some pre-set keywords and translations. New keywords added by the user will appear in all languages but only have a translation for the chosen language.
- Users must be able to sort keywords by dragging them in the Management Dashboard.
- In your documentation or presentation, briefly (1-2 paragraphs) explain your reasons for choosing the data structure and implementation logic.