



KEEPING CURRENT MATTERS

Vue Teleprompter Application Assignment

Objective

Create a Vue 3 application with a teleprompter component and a control page. This exercise will assess your ability to build modular components, manage events, and handle interactivity in a Vue application. The assignment also includes bonus objectives to gauge your depth in implementing additional features.

Project Requirements

Your application should include the following:

1. Main Page:

- Controls to Start, Stop, and Reset the teleprompter.
- A section that displays the current status of the teleprompter (e.g., "Running," "Stopped").
- A running log of detected events from the teleprompter (e.g., start, stop, reset, switch to image, switch to camera).

2. Teleprompter Component:

- Methods to:
 - **Start** the teleprompter.
 - **Stop** the teleprompter.
 - **Reset** the teleprompter to the beginning of the script.
- The component should emit events for:
 - start – When the teleprompter starts.
 - stop – When the teleprompter stops.
 - reset – When the teleprompter is reset.
 - switch-to-image – When the script indicates a switch to displaying an image.
 - switch-to-camera – When the script indicates a switch to the camera feed.
- The component should provide the following settings & UI control of the settings:
 - Speed Setting: control the scrolling speed of the teleprompter
 - Font-size Setting: Adjust the font size of the teleprompter text.

3. Script Format:

- Our scripts include **tokenized objects** to specify when to switch to an image or a camera view.
- These tokens should **trigger the appropriate events** (switch-to-image or switch-to-camera) but should **not be visible** in the teleprompter display.



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Bonus Objectives

1. Draggable Teleprompter:

- a. Allow the teleprompter component to be moved around the page.

2. Resizable Teleprompter:

- a. Enable users to resize the teleprompter dynamically.

3. Estimated Reading Time:

- a. Display the estimated time to read the script, based on:
 - i. The current teleprompter size.
 - ii. The length of the script.
 - iii. The current speed setting.

Deliverables

A **Vue 3 application** with the described functionality.

- Link to repo or zip file

A **README file** with:

- Instructions on how to run your application.
- A brief explanation of your approach and any challenges you encountered.
- If you use AI assistance (e.g., ChatGPT, GitHub Copilot), please provide a **link to the AI chat or a copy of the chat history**.

Evaluation Criteria

1. Functionality:

- The core features (start/stop/reset) work as expected.
- The teleprompter scrolls when started, all the way to the bottom of the script.
- Events are correctly emitted and logged.
- Tokenized script objects trigger events but remain hidden in the display.

2. Code Quality:

- Clean, modular, and well-documented code.
- Appropriate use of Vue's Composition API or Options API.

3. Interactivity:

- Bonus features (dragging, resizing, settings) implemented effectively.

4. Problem-Solving Approach:

- Demonstrates thoughtful solutions to challenges.
- Ability to explain your design choices clearly.

5. Use of AI (If Applicable):

- Proper attribution of AI usage with a link or chat history.



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This assignment is designed to let you showcase your skills with Vue, event handling, and component design. We're looking forward to seeing how you approach the problem and extend the functionality!

Sample script:

{edit:id=intro}What's in store for the housing market in twenty-twenty-five? Lemme break it down for ya.{/edit}

{image:id=602864342381,url=} {edit:id=YfcvHu4mdv}Mortgage rates are projected to come down, but don't expect to see the return of three-percent.{/edit}

{edit:id=LhDI3r6ftf}Experts say they'll likely settle in the mid-to-low six-percent range by the end of the year. But that's all gonna depend on inflation, the economy, and a bunch of other economic factors.{/edit}

{edit:id=vF8Ptayt7K}As for home prices, don't count on a drop. Experts say prices will rise by about three-percent in most places.{/edit}

{edit:id=8S5MvK2O9z}That's because there still aren't enough homes for all the buyers out there – even though inventory is growing. Of course, this'll vary by area too.{/edit}

{camera:id=mN5FA4XMuR} {edit:id=knu_BgTB5X}I know you were probably hoping for a steep drop in rates – but here's the thing. Rates coming down at all, helps your bottom line. Even if it's just a little bit.{/edit}

{edit:id=outro}And slower price growth isn't bad either. It means any home you buy – or own – should go up in value in the year ahead.{/edit}