#### nagAl: Bug Report

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1. Timer circle not resetting when stopped with hand gesture (Resolved)

Frequency	Once every 4-5 timer interactions (20-25% probability)
Environments	Wooyoung:  Samsung Galaxy Book 4  WSL 2 (Ubuntu 22.04 LTS) on Windows 11 Home (24H2)  npm v10.9.2  React v19.1.0  Google Chrome v135.0.7049.116
Severity (S1-S4) / Priority (S1-P4)	<ul> <li>Severity: S2 — Impairs a core user interaction (visual reset of timer)</li> <li>Priority: P1 — Should be resolved before feature freeze</li> </ul>
Reproduction Steps	<ol> <li>Run the frontend in development mode (npm run dev).</li> <li>Set GEMINI_CALL_ENABLED to true in frontend/src/hooks/useBehaviorDetection.ts.</li> <li>Start up the app in the browser, enable webcam, wave hand at the webcam to start the timer, and wave again to stop</li> <li>Observe the timer stopping. About once every 4-5 timer interactions, the timer display resets correctly but the circle indicator around the display does not, as if a session was still in progress.</li> </ol>
Debugging Process	<ol> <li>In         frontend/src/components/Timer/Timer.tsx,         I logged internal state variables such as isRunning,         wasPaused, wasPaused to investigate if the timer was         being stopped correctly.</li> <li>Seeing that the state values were transitioning         correctly, I then thought if there was a way to re-render         the display to reflect the updated states.</li> </ol>
Root Cause Analysis:  a. Bottlenecks b. Expected impact	The progress value is a MotionValue <number> used to animate a CSS custom property (progress) for the circular progress bar.</number>

	<ul> <li>While progress.set(0) is called on stop, Framer Motion sometimes retains the old animated state if an ongoing animation isn't fully stopped before setting a new value.</li> <li>Since animate(progress, 100) runs whenever isRunning is toggled, it may re-trigger prematurely if stop() doesn't finish flushing the current animation state before the next render.</li> </ul>
	Bottlenecks:
	<ul> <li>a. controlsRef.current.stop() only halts the animation but does not always guarantee full reset of MotionValue propagation, especially under async webcam-triggered gesture updates.</li> </ul>
	Expected Impact:
	<ul> <li>The circle progress indicator (which wraps around the timer digits) fails to reflect that a session has ended.</li> <li>This causes UI inconsistency and confusion, especially since the time display does reset to 00:30.</li> <li>The user may believe the timer is still active or frozen.</li> </ul>
Proposed Solutions	Flush animation and delay value reset:  • Ensure the current animation is fully stopped, then call progress.set(0) in a requestAnimationFrame or slight timeout to avoid overlap.
Follow-up Questions	<ul> <li>Should we debounce the gesture input to reduce animation collisions?</li> <li>Would switching to animateMotionValue(progress,) with a unique animation key each time help reset correctly?</li> <li>Can we validate via progress.get() that value is being set but not reflected visually?</li> </ul>

# 2. Pause behaviorDetection while DistractionModal is displayed (Resolved)

Frequency	Always; the current logic to stop behaviorDetection while DistractionModal is displayed does not work.
Environments	Wooyoung:  ■ Samsung Galaxy Book 4  ■ WSL 2 (Ubuntu 22.04 LTS) on Windows 11 Home

	(24H2)  ■ npm v10.9.2  ■ React v19.1.0  ■ Google Chrome v135.0.7049.116
Severity (S1-S4) / Priority (S1-P4)	<ul> <li>Severity: S2 —Undermines modal behavior and can cause unexpected app behavior</li> <li>Priority: P1 — Immediate fix required to uphold UI/UX correctness and prevent side effects</li> </ul>
Reproduction Steps	<ol> <li>Run the frontend in development mode (npm run dev).</li> <li>Set GEMINI_CALL_ENABLED to true in frontend/src/hooks/useBehaviorDetection.ts.</li> <li>Start up the app in the browser, enable webcam, wave hand at the webcam to start the timer.</li> <li>Look at your phone, with the phone fully captured in the webcam. Or, any behavior signaling a distraction works.</li> <li>If the Gemini API correctly detects the distraction, the DistractionModal should pop up.</li> <li>Perform hand gestures to resume/stop the timer.         <ul> <li>Bug: The timer responds to the gestures.</li> <li>While we intend to prevent any interaction with the timer until the user recognizes their distraction b, the current logic does not prevent that.</li> </ul> </li> </ol>
Debugging Process	<ul> <li>Confirmed that stopBehaviorDetection() is called in handleDistraction(), and verified log output: ("behavior detection stopped").</li> <li>However, Gemini prompts and API calls continue executing after modal is shown, as seen in console logs of internal state variables such as isRunning.</li> <li>Verified that isActiveRef.current is still true or reset incorrectly in async loops (e.g., loop, captureSnapshotAndAnalyze) after modal is triggered.</li> </ul>
Root Cause Analysis: c. Bottlenecks d. Expected impact	<pre>stopBehaviorDetection() sets isActiveRef.current = false, but:     1. Asynchronous race condition in         captureSnapshotAndAnalyze:</pre>

	stopBehaviorDetection() is called, the async Gemini analysis proceeds anyway.  By the time isActiveRef.current is checked, snapshot + API requests may have already been dispatched.  No explicit check for modal visibility in handleBehaviorResult().  Even after stopping detection, responses already
	<ul> <li>in-flight are processed and trigger timer actions (e.g., pause, stop, resume).</li> <li>Bottlenecks:         <ul> <li>Lack of a reliable global modal-active flag checked inside handleBehaviorResult() and detectMotion().</li> <li>Inability to cancel in-flight Gemini API requests once</li> </ul> </li> </ul>
	<ul> <li>behavior detection is stopped.</li> <li>Expected Impact: <ul> <li>Users can inadvertently interrupt or resume timer while modal is active via gestures.</li> <li>Undermines the modal's purpose of freezing input and behavior.</li> <li>May lead to inconsistent app states or UI confusion.</li> </ul> </li> </ul>
Proposed Solutions	<ul> <li>Add a isModalVisibleRef:         <ul> <li>Create a new useRef<boolean> to track</boolean></li> <li>DistractionModal visibility across</li> <li>useBehaviorDetection.ts and block</li> <li>detection when true</li> </ul> </li> <li>Hard-check isModalVisibleRef.current in detectMotion() and handleBehaviorResult():         <ul> <li>Prevent all motion capture and Gemini API dispatches when modal is active</li> </ul> </li> <li>Add early return in captureSnapshotAndAnalyze() and callGeminiAPI() if modal is visible</li> <li>Consider aborting Gemini API fetch requests:         <ul> <li>Use AbortController to cancel any outstanding requests if modal interrupts detection</li> </ul> </li> </ul>
	Example in handleBehaviorResult():

```
if (isModalVisibleRef.current) {
    console.log('Ignoring behavior result during modal');
    return;
}

Follow-up Questions

• Should we disable gesture detection globally via app state, or just pause at the Gemini logic layer?
• Should the modal overlay the webcam feed visually to reinforce that detection is paused?
• Do we need to throttle motion events after resume to avoid instant re-triggering?
```

#### 3. Resolve inaccurate hand gesture recognition (Resolved)

Frequency	<ul> <li>Random (hand gesture recognition through the Gemini API is nondeterministic).</li> <li>Affects both fist (START/PAUSE) and palm (STOP) detection.</li> <li>Recognition accuracy varies between 60%–80% depending on lighting, distance, and gesture clarity.</li> </ul>
Environments	<ul> <li>Wooyoung:</li> <li>Samsung Galaxy Book 4</li> <li>WSL 2 (Ubuntu 22.04 LTS) on Windows 11 Home (24H2)</li> <li>npm v10.9.2</li> <li>React v19.1.0</li> <li>Google Chrome v135.0.7049.116</li> </ul>
Severity	<ul> <li>Severity: S3 — Affects usability and reliability of a primary feature (gesture-based control)</li> <li>Priority: P2 — Requires mitigation or fallback to prevent poor user experience</li> </ul>
Reproduction Steps	<ol> <li>Set GEMINI_CALL_ENABLED = true in useBehaviorDetection.ts.</li> <li>Launch the app in Chrome, enable webcam.</li> <li>Attempt to control the timer using gestures:         <ul> <li>a. Raise fist to start or resume.</li> <li>b. Raise palm to stop or pause.</li> </ul> </li> <li>Observe that:         <ul> <li>a. Sometimes the correct action is not recognized.</li> </ul> </li> </ol>

	b. Sometimes the wrong gesture is inferred (e.g., palm interpreted as fist).
Debugging Process	<ul> <li>Logged raw image snapshots and Gemini API prompts         <ul> <li>e.g.: (console.log('Gesture detected: PAUSE'))</li> </ul> </li> <li>Verified that snapshots are being captured and encoded correctly (toBlob() and base64 verified)</li> <li>Printed raw and parsed API responses: console.log('Gemini raw response', rawResp);</li> <li>console.log('Parsed Gemini result', parsed);</li> <li>Observed frequent ambiguities or hallucinations in Gemini's interpretation of hand gestures</li> </ul>
Root Cause Analysis: e. Bottlenecks f. Expected impact	<ul> <li>The Gemini prompt relies on visual inference of hand gestures from webcam snapshots passed as image/png base64.</li> <li>The API is not optimized for consistent gesture classification, especially under:         <ul> <li>Dim or uneven lighting</li> <li>Occluded hands or low-resolution frames</li> <li>Background clutter or reflective objects.</li> </ul> </li> <li>Prompt ambiguity: The running and paused prompts contain multiple conditional branches, which may reduce precision in generation:         <ul> <li>if palm: STOP, if fist: PAUSE, else: analyze focus</li> </ul> </li> </ul>
	<ul> <li>Bottlenecks:         <ul> <li>Gemini API's visual grounding capabilities are probabilistic and not gesture-specialized.</li> <li>Snapshot resolution (768x768) may still lack the fidelity needed for fine-grained finger recognition.</li> <li>No post-processing or confidence thresholds to validate inferred action.</li> </ul> </li> </ul>
	<ul> <li>Expected impact:</li> <li>Timer may fail to start, pause, or stop when intended.</li> <li>Leads to frustration and inconsistent experience, especially when combined with distraction handling or timed sessions.</li> <li>Reduces trust in the reliability of Al-assisted interaction.</li> </ul>

Proposed Solutions	<ul> <li>Split gestures into isolated versions:         <ul> <li>Use dedicated prompt per action: detect palm only, detect fist only, instead of combining both in one.</li> </ul> </li> <li>Improve snapshot lighting and framing:         <ul> <li>Add a semi-transparent overlay instructing the user to center hand in frame with adequate lighting.</li> </ul> </li> <li>Log ambiguous cases:         <ul> <li>Track false positives and incorrect responses in local debug logs (e.g., wrong action).</li> </ul> </li> </ul>
Follow-up Questions	<ul> <li>Should we implement confidence scoring or manual confirm fallback (e.g., confirm gesture before applying)?</li> <li>Should we switch to MediaPipe Hands for gesture-only use cases, reserving Gemini for higher-level distraction classification?</li> <li>Should snapshots be enhanced with preprocessing, like contrast boosting or blur detection?</li> </ul>

### 4. Unreliable motion detection for triggering Gemini API calls (Resolved)

Frequency	~60% of user motion events are not registered by our pixel-diff logic, leading to missed Gemini API invocations.
Environments	Wooyoung:  WSL 2 (Ubuntu 22.04 LTS) on Windows 11 Home (24H2)  npm v10.9.2 React v19.1.0 Google Chrome v135.0.7049.116
Severity	<ul> <li>Severity: S3 — Causes degraded behavior of a critical input detection path</li> <li>Priority: P1 — Needs tuning before gesture detection can be considered production-stable</li> </ul>
Reproduction Steps	<ul> <li>Launch the frontend (npm run dev).</li> <li>Enable webcam; ensure behavior detection is enabled.</li> <li>Move your hand (fist or palm) rapidly within webcam view.</li> <li>Observe that:</li> </ul>

	<ul> <li>Majority of motion events do not log as 'motion detected'.</li> <li>Gemini snapshot analysis does not trigger even with visible, intentional motion.</li> </ul>
Debugging Process	<ul> <li>Logged diff values in detectMotion():         <ul> <li>console.log('avgDiff:', avgDiff);</li> </ul> </li> <li>Observed many motion frames yielding avgDiff &lt;         <ul> <li>10, especially when:</li></ul></li></ul>
Root Cause Analysis: g. Bottlenecks h. Expected impact	<ul> <li>Pixel Difference Threshold Too Rigid:         <ul> <li>avgDiff &gt; 10 is not adaptive to lighting, background, or device-specific noise.</li> <li>Low-motion deltas (like gradual hand movements) are filtered out, even though they're relevant.</li> </ul> </li> <li>Frame Timing Uncontrolled:         <ul> <li>detectMotion() runs every 500ms (via loop()), but webcam frames update more frequently.</li> <li>We may be comparing redundant or identical frames, reducing perceived motion.</li> </ul> </li> <li>Canvas Resolution Mismatch:         <ul> <li>Downscaling to 64xN may blur out small motions, reducing per-pixel deltas.</li> <li>Aspect ratio scaling (rounded h) may distort comparisons if not handled carefully.</li> </ul> </li> </ul>
Proposed Solutions	<ul> <li>Lower or normalize pixel diff threshold:         <ul> <li>Replace avgDiff &gt; 10 with a scaled or adaptive threshold based on historical average or noise floor.</li> </ul> </li> <li>Compare frames at higher temporal resolution:         <ul> <li>Increase loop() frequency (e.g., 250ms) or add logic to align with actual webcam frame rate.</li> </ul> </li> <li>Add rolling window buffer for diffs:         <ul> <li>Trigger detection if average motion exceeds</li> </ul> </li> </ul>

	threshold over N frames (e.g., 3 of 5).
Follow-up Questions	<ul> <li>Should we expose MOTION_DETECTION_THRESHOLD and avgDiff threshold as dev-configurable?</li> <li>Would a proper background-subtraction algorithm (e.g., frame differencing with decay) be more stable?</li> <li>Should we run motion detection at native resolution and downsample only for transmission, not logic?</li> </ul>

## WebcamFeed videoRef returns null -> webcam feed not showing on Vercel production build

Frequency	Always
Environments	Wooyoung:  WSL 2 (Ubuntu 22.04 LTS) on Windows 11 Home (24H2)  npm v10.9.2 React v19.1.0 Google Chrome v135.0.7049.116
Severity	<ul> <li>Severity: S3 — Critical functionality not working</li> <li>Priority: P1 — Needs immediate resolution</li> </ul>
Reproduction Steps	<ul> <li>Deploy the frontend (git push origin main).</li> <li>If deployment does not start, call the <u>Vercel deployment hook</u>.</li> <li>Navigate to the <u>deployed frontend</u>.</li> <li>Observe that:         <ul> <li>The webcam feed is not activated, and it appears as a black screen.</li> </ul> </li> </ul>
Debugging Process	<ul> <li>Logged status values for videoRef, the HTML video element of the WebcamFeed component. Returned null.</li> <li>Resolved by waiting for videoRef.onLoadedMetadata()</li> </ul>

	<pre>/**  * wyjung (05/19): fixed WebcamFeed HTMLVideoElement not loading in Vercel */ /* wait until browser has video metadata */ videoRef.current.onloadedmetadata = () =&gt; {     videoRef.current!.play().catch(console.error);     setCameraAvailable(true);</pre>
Root Cause Analysis:  i. Bottlenecks j. Expected impact	Timing issue; race condition between rendering videoRef element in the DOM and loading the metadata for the embedded video player.
Proposed Solutions	Wait for videoRef.onLoadedMetadata().
Follow-up Questions	Why was this bug not observed in our local development build, but manifested in our Vercel production build?

### 6. WebcamFeed component becomes tiny after pressing 'Save' in MyPage (Resolved)

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Frequency	Occurs every time a user navigates back to the MainPage after changing and saving their username in MyPage.
Environments	Joohyoung:  • Lenovo ideapad slim 3  • Windows 10 (64-bit)  • npm v10.9.2  • React v19.1.0  • Google Chrome v135.0.7049.117
Severity (S1-S4) / Priority (P1-P4)	S1, P1
Reproduction Steps	<ol> <li>Go to 'MyPage'</li> <li>Edit 'name' and click 'Save' button</li> <li>Navigate back to 'Mainpage'</li> <li>Observe the webcam div - appears to be extremely small</li> <li>Try refresh page - the issue does not resolve</li> </ol>
Debugging Process	Initially confirmed that the webcam displayed correctly before saving the user name.     Observed that navigating back to MainPage after

	saving username in MyPage caused .webcam-feed div to collapse.  3. Inspected that width was not properly applied.  4. Enforced 'width: 100% !important;' in the .webcam-feed in WebcamFeed.css.  5. After this change, the webcam div retained its correct size across page transitions and no longer collapsed
Root Cause Analysis:     k. Bottlenecks     l. Expected     impact	The webcam container (.webcam-feed) relied on aspect-ratio and height: auto for layout sizing, but upon returning from MyPage, the component was re-rendered or layout context was altered, causing its width to collapse to 0 or an unintended value.  • Bottleneck: The '.webcam-feed' element did not retain proper width on page transition due to missing enforcement of width in CSS.  • Expected Impact: The webcam area collapsed completely, breaking a core feature and preventing users from using the application as intended.
Proposed Solutions	Explicitly set 'width: 100% !important;' in the '.webcam-feed' in WebcamFeed.css to ensure consistent layout rendering across page transitions and prevent unexpected collapse.
Follow-up Questions	<ol> <li>Does using '!important' for width in .webcam-feed risk overriding styles in other components or pages?</li> <li>Should we add regression tests or visual checks for critical components like the webcam?</li> </ol>

### 7. Checkboxes not selectable in TermsPage (Terms and Privacy Agreements) (Solved)

Frequency	Every time the TermsPage component was rendered
Environments	Joohyoung:  • Lenovo ideapad slim 3  • Windows 10 (64-bit)  • npm v10.9.2  • React v19.1.0  • Google Chrome v135.0.7049.117
Severity (S1-S4) / Priority (P1-P4)	S2, P1
Reproduction Steps	Navigate to 'TermsPage'

	Try clicking on the 'I agree' checkboxes under Terms and Privacy sections     The 'Continue' button is disabled due to 'agreeTerms' and 'agreePrivacy' remaining false
Debugging Process	<ol> <li>Verified that checkbox 'onChange' handlers were defined, but did not update state</li> <li>Found that checkbox checked props were not linked correctly to 'useState()' values</li> <li>Confirmed that in some cases, 'agreeAll' logic was overriding individual checkbox control</li> <li>Refactored the logic to ensure checked props and 'onChange' handlers were properly bound to state updates</li> </ol>
Root Cause Analysis: m. Bottlenecks n. Expected impact	Checkbox inputs had valid JSX but were not properly updating state due to incorrect handler or missing e.target.checked usage.  • Bottleneck: The UI appeared interactive, but user input had no effect, breaking the user flow at a critical onboarding step.  • Expected Impact: Users were unable to proceed to account creation, making it impossible to use the app beyond the Terms page.
Proposed Solutions	Rewrote the onChange logic for each checkbox to update the correct state using e.target.checked, and restructured the agreeAll logic to properly reflect combined checkbox states.
Follow-up Questions	Do we need to test form interactivity for similar components in automated tests?     Should the agreeAll state be computed dynamically instead of stored in useState?

### 8. Hover effect not showing for Cancel and Continue buttons in TermsPage (Resolved)

Frequency	Every time the TermsPage was rendered
Environments	Joohyoung:  • Lenovo ideapad slim 3  • Windows 10 (64-bit)  • npm v10.9.2  • React v19.1.0  • Google Chrome v135.0.7049.117

Severity (S1-S4) / Priority (P1-P4)	S4, P4
Reproduction Steps	<ol> <li>Navigate to 'TermsPage'</li> <li>Check and agree all terms and conditions so that the 'Continue' button is activated</li> <li>Hover over the 'Cancel' and 'Continue' buttons</li> <li>Observe that no hover style is shown</li> </ol>
Debugging Process	<ol> <li>Verified that the '.terms-cancel-button:hover' and '.terms-continue-button:hover' were defined in TermsPage.css, but no visible changes occurred on hover.</li> <li>Found that inherited styles or missing specificity prevented the hover effects from being applied.</li> <li>Resolved the issue by adding explicit '!important' overrides for color, border-color, outline, and box-shadow in the '.terms-cancel-button:hover' and '.terms-continue-button:hover' styles.</li> </ol>
Root Cause Analysis: o. Bottlenecks p. Expected impact	CSS hover styles lacked specificity or were overridden by other global styles or framework defaults, leading to no visible hover effect.  • Bottleneck: Users received no visual feedback on button hover, which may have caused confusion or made the UI feel unresponsive.  • Expected Impact: Poor UX due to lack of visual cues, especially for critical buttons like 'Continue' and 'Cancel,' potentially reducing user confidence in proceeding.
Proposed Solutions	Added '!important' to key style properties (color, border-color, outline, box-shadow) in hover selectors in TermsPage.css to ensure the styles are applied regardless of surrounding CSS influence.
Follow-up Questions	<ol> <li>Does the use of '!important' keyword cause conflicts or unintended overrides in other CSS files or components?</li> <li>Would it be more maintainable to extract button styles into a shared CSS module or component-level style utility?</li> </ol>

9. Name edits in MyPage are not preserved (In Progress)

Frequency	Always; whenever we try to change the name from MyPage
Environments	Jiwoo:  MacBook Pro (Late 2023)  macOS 13.5 (Ventura)  Google Chrome v135.0.7049.116 (Official Build) (arm64)  npm v10.8.3
Severity	S2, P3
Reproduction Steps	<ol> <li>Set up the development build (npm run dev)</li> <li>Login, then click the "user name button" in the top right corner to go to MyPage.</li> <li>Change your name from MyPage between 1 to 30 characters.</li> <li>Click "Save" button.</li> </ol>
Debugging Process	After changing the name, the username was not updated in the "user name button".
Root Cause Analysis: q. Bottlenecks r. Expected impact	Bottleneck:
Proposed Solutions	The name was not updating due to the asynchronous nature of the setState function in React. When we call setName(name), it does not immediately update the state. The update happens after the component re-renders. So, the name was not updated immediately after calling setName(name). We are viewing the old value because the state did not update yet.  So, use useEffect function whenever the name changes.
Follow-up Questions	Should we view the values of the set variables without re-rendering?     Are we dealing with the updated value of the set variables?

Frequency	Always; whenever we come to the main page
Environments	Jiwoo:  Macbook Pro MacOS Ventura 13.5 Chrome version 135.0.7049.116 (Official Build) (arm64) Npm version: 10.8.3
Severity	S3, P3
Reproduction Steps	Set up the development build (npm run dev)     Login, and move to mainpage
Debugging Process	It was clearly visible from the website.
Root Cause Analysis: s. Bottlenecks t. Expected impact	Bottleneck:
Proposed Solutions	We could use an inline-block display for the distractions and focus time button. And, when the size of the window reduces, we can make them in the center, putting distraction button above, and focus time button on the bottom.
Follow-up Questions	<ol> <li>How are we going to group the components?</li> <li>Does the grouped component shown in the website looks neat and clean?</li> </ol>

### 11. Logo too small, off-center & background color mismatch (Resolved)

Frequency	Always; whenever we start the website in the account creation / login page
Environments	Jiwoo: Macbook Pro MacOS Ventura 13.5 Chrome version 135.0.7049.116 (Official Build) (arm64)

	Npm version: 10.8.3
Severity	S3, P2
Reproduction Steps	<ol> <li>Set up the development build (npm run dev)</li> <li>Go to the account creation / login page.</li> </ol>
Debugging Process	It was clearly visible from the website.
Root Cause Analysis: u. Bottlenecks v. Expected impact	<ul> <li>Bottleneck:         <ul> <li>From the AccountCreationPage.css, the accountCreation-logo image was too big, not centered, and the background color did not match.</li> </ul> </li> <li>Expected impact:         <ul> <li>Since the Account Creation Page is the first page the user would encounter our website, showing the logo image that does not give user friendly UI can make user feel like this website is not professional.</li> </ul> </li> </ul>
Proposed Solutions	<ul> <li>Match the background-color</li> <li>Limit by max-height and max-width, with width: 230px so that the logo image would never exceed the button height and prevents it from spilling horizontally. Also, justify-content and align-items to center.</li> </ul>
Follow-up Questions	<ol> <li>Whenever we put an image in our website, try to find out the optimal size of the image.</li> <li>Does the official image fits well with the background color of the website?</li> </ol>

### 12. Deployed Vercel site is unresponsive & a white blank screen appears.

Frequency	2-3 times a day; usually after a prolonged period of inactivity
Environments	Deployment environment on Vercel & Render
Severity	S2, P1
Reproduction Steps	Navigate to the <u>deployed website</u> .     About approx. 6 hours after the latest backend deployment on Render, the deployed Vercel website should be unresponsive and display a blank white screen, with an API call to the 'frontend-env' endpoint

