

# Bug and Optimisation

## 1. Optimisation

- a. Where: app/components/Gallery.tsx
- b. What: Changed `<img />` tag to Nextjs `<Image />` components.
- c. Why: The Image component has lazy-loading by default.

## 2. Bug

- a. Where: app/components/BlogPostCard.tsx
- b. What: The CSS issue has been fixed.
- c. Why: Earlier on the Blog page, only the blog image was showing, not the description of the blog.

## 3. Optimisation

- a. Where: app/components/BlogPostCard.tsx
- b. What: Changed `<img />` tag to Nextjs to `<Image />` components.
- c. Why: The Image component has been lazy-loading by default.

## 4. Bug

- a. Where: app/components/PromptInput.tsx
- b. What: Updated the textarea input box text colour.
- c. Why: The text within the earlier input box is not visible due to the similar colour of the textbox background and the input text.

## 5. Optimisation

- a. Where: app/components/PromptInput.tsx
- b. What: LocalPrompt state has been removed, and updating localprompt on change of prompt has been removed, and the component is memoised.
- c. Why: The above change will reduce the rerender of the `PromptInput` component.

## 6. Optimisation

- a. Where: app/demo/page.tsx
- b. What: `<a />` has been updated to `<Link />`(nextjs).
- c. Why: `<a />` tag full page reload and `<Link />` is faster due to route prefetching.

## 7. Optimisation

- a. Where: app/components/GeneratedImage.tsx
- b. What: `<img />` has been changed to `Image(nextjs)`.
- c. Why: The Image component has lazy-loading by default.

## 8. Optimisation

- a. Where: app/gallery/page.tsx
- b. What: `<img />` has been changed to `Image(nextjs)`.
- c. Why: The Image component has been lazy-loading by default.

## 9. Optimisation

- a. Where: app/gallery/page.tsx
- b. What: `window.location.reload` has been removed on retry.
- c. Why: `window.location.reload()`, reload the whole page.

## 10. Bug

- a. Where: app/components/Hero.tsx
- b. What: The background video source has been updated to one of the provided video assets.
- c. Why: The Source of the video was wrong.

## 11. Improvement(It's just my view)

- a. Where: app/components/AppBar.tsx
- b. What: The Home link has been removed.
- c. Why: The Logo icon is clickable, and having Home(link) is redundant.

## 12. Bug

- a. Where: app/components/AppBar.tsx
- b. What: The Tutorials page link was not provided.
- c. Why: The user can now navigate to the tutorials page.

## 13. Bug

- a. Where: app/components/NewsLetter.tsx
- b. What: Form submit, input change handler added, and input text colour updated.
- c. Why: It will stop the reloading of the page upon submission of the form, and the input text will not be visible.

## 14. Optimisation

- a. Where: app/pricing/page.tsx
- b. What: `<a />` has been updated to `<Link />`(nextjs).
- c. Why: `<a />` tag full page reload and `<Link />` is faster due to route prefetching.