

GenRes

Phase 1: Planning

Who are we?

We are GenRes, a team of four students from the Reboot program: Reem, Sayed Hesham, Adnan Jaber, and Yusuf Jawad. This document serves as the official documentation for our website, GenRes.

Who is our target audience?

In the initial stages of our project, we focused on defining our target audience. The team had differing opinions; Reem suggested targeting preteens, while Adnan argued that our focus should be on children, as it would serve the greater benefit of society. After discussing various perspectives, we collectively decided on an approach that would engage our target audience effectively.

What is our goal?

Our goal for this project is to gamify the user experience in a way that captures the attention of young users, ensuring they not only enjoy their time on our website but also gain valuable insights. We aim to create a lasting impact, where the key lessons conveyed through the platform resonate with them and remain with them long after their visit.

What is the technology stack to be used?

Our technology stack includes HTML, CSS, [React](#)[1], [TypeScript](#)[2], and [Vite](#)[3]. HTML and CSS form the foundation of our frontend, while React and TypeScript enable us to build a scalable and maintainable user interface. Vite powers our development environment, ensuring fast and efficient builds. We have chosen React as our frontend library to streamline development and ensure adherence to a standardized approach for writing clean and readable code. Additionally, React's flexibility and scalability will enable us to build a foundation that is easily extendable in the future, while also allowing us to follow industry best practices for maintainable and efficient code. This will help ensure that the codebase remains sustainable and adaptable as the project evolves.

Which Artificial Intelligence did we choose to build GenRes?

For AI development, we chose [ChatGPT](#)[4], [Claude](#)[5], and [DeepSeek](#)[6]. For image and logo generation, we selected [DALL·E](#)[7] and local models from [Stable Diffusion](#)[8]. These tools were

chosen to enhance user interaction and create dynamic, visually engaging content for the platform

What will be our collaboration tools?

For development, we will use [Git](#)[9] to manage version control. [GitHub](#)[10] will serve as the repository for storing the project's source code, while [GitHub Projects](#)[11] will be used to organize tasks with a Kanban board. During the planning phase, we will use [Excalidraw](#)[12] for creating rough sketches and visualizing ideas. These tools will help ensure smooth collaboration and efficient project management.

Phase 2: Generating Content

Video (Sora)

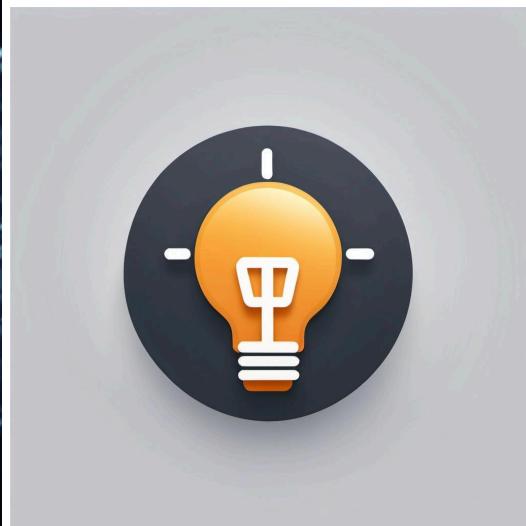
From our experience with going back and forth between AIs, we discovered that sora was the best model we have access to, even still, it did have some weird scenes that were unexplainable with normal human logic. We created and fine tuned the prompt after several attempts, we found a pleasing similarity to the expected video.

Images and Icons (Dall-E)

Dall-E was our major source of images, again, similar to sora, it had quite a good attention to details compared to other free models. We used it to generate the images and the icons.

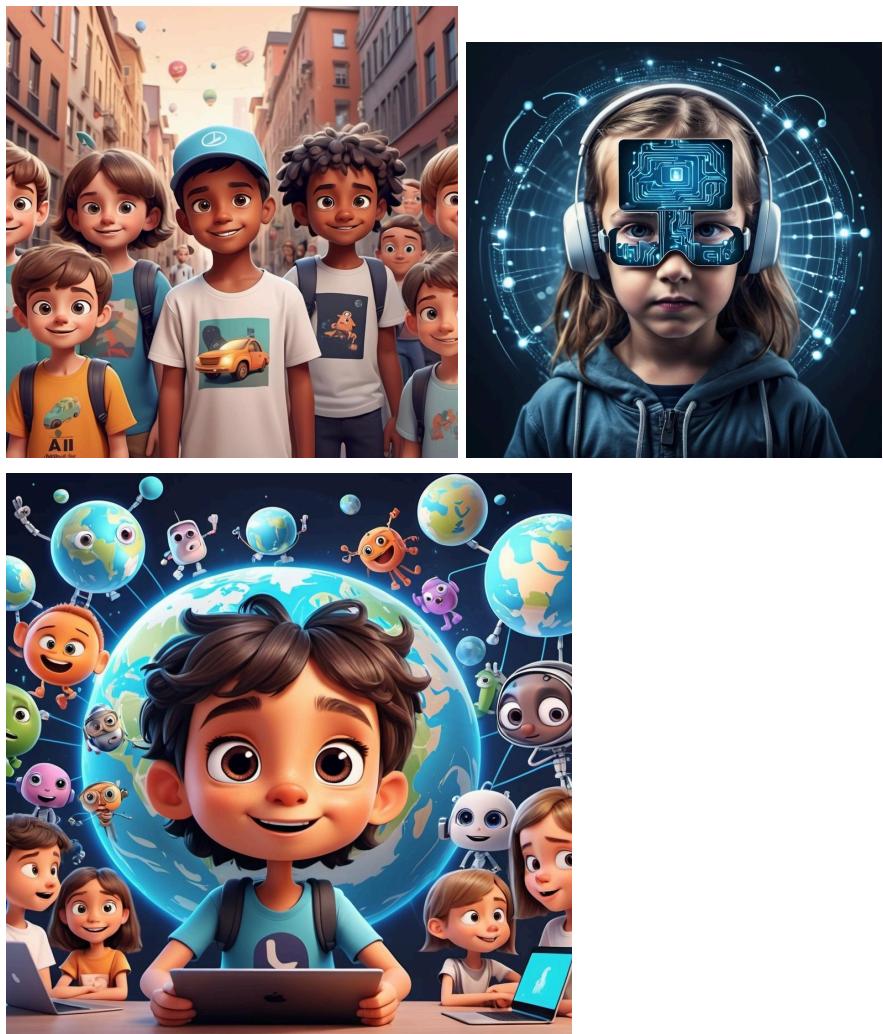
Code completion

For code completion tasks, we leveraged a diverse set of AI models, integrating solutions from OpenAI, Anthropic, and DeepSeek. This multi-model approach allowed us to combine the strengths of each platform, ensuring robust and accurate code suggestions. OpenAI provided its advanced language understanding capabilities, Anthropic contributed with its focus on alignment and safety, and DeepSeek offered specialized insights for coding-specific challenges. Together, these tools enabled us to deliver high-quality, context-aware code completions, enhancing productivity and reducing development time.







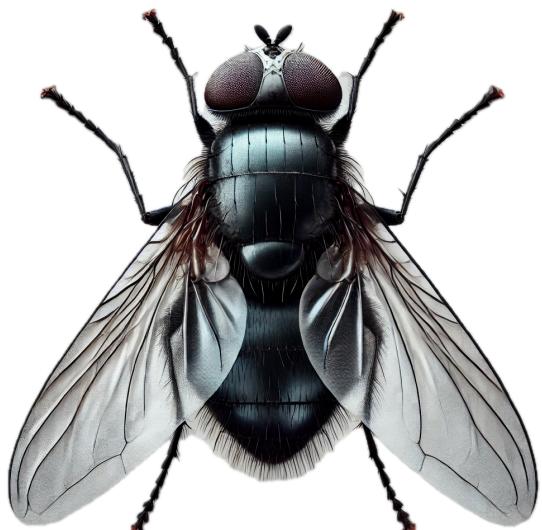
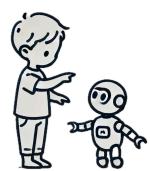
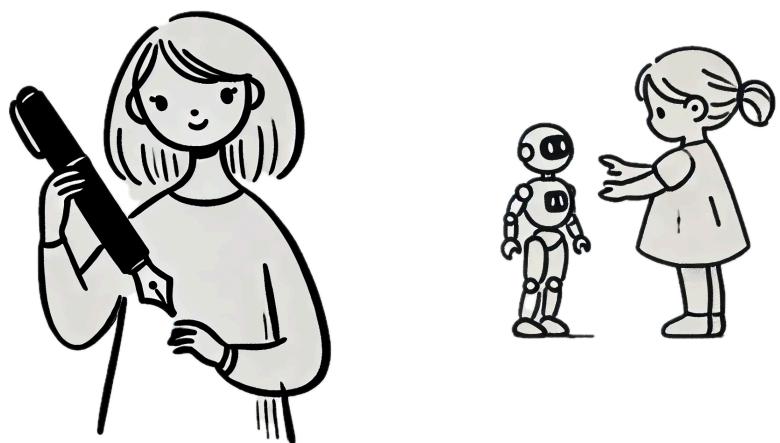


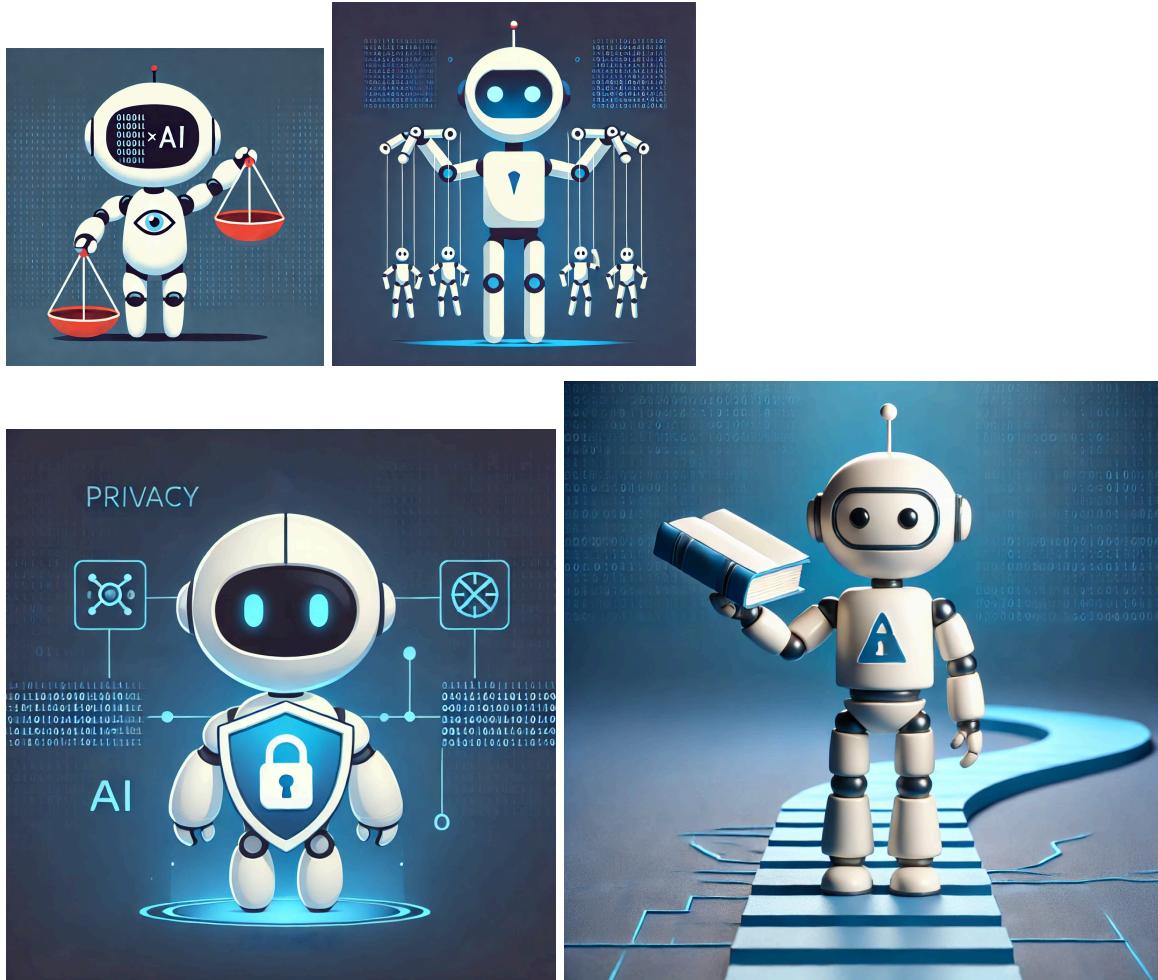
3. Images from dally











References

1. [React](#)
2. [TypeScript](#)
3. [Vite](#)
4. [ChatGPT](#)
5. [Claude](#)
6. [DeepSeek](#)
7. [DALL·E](#)
8. [Stable Diffusion](#)
9. [Git](#)
10. [GitHub](#)
11. [GitHub Projects](#)
12. [Excalidraw](#)