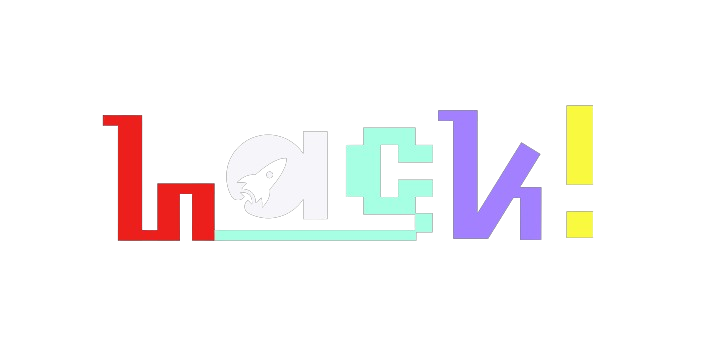
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***HackINSAN 2024***

***Project Report***

Hacktastic | Summit Features

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## **Source of Inspiration**

Our project was inspired during our exploration of the Summit Features website. While we found the site to be informative, we noticed a significant lack of user engagement and actionable features. Additionally, despite the wide variety of motion capture devices available, it was challenging for our team to understand the specific functions of each device. Thus, we decided to address these issues by redesigning the website to make it more user-friendly and well-structured.

## **Project Overview**

Our project aims not only to improve the User Interface (UI) of the website but also to enhance the User Experience (UX) when visitors browse the site. For instance, the new website will include a blog page where Motion Capture Enthusiasts can share their knowledge and experiences. This feature promotes the technology to a broader audience and raises awareness about motion capture technology. Additionally, users can now rent equipment directly from the website by simply submitting a form, a feature that was not available on the previous site. We also cater to beginners who want to learn more about motion capture equipment by providing an AI chatbot. This chatbot allows users to ask questions about Summit Features’ services and products in real-time.

## **Development Process**

For this project we are using HTML, CSS and JavaScript especially on vite.js as well as Gemini API from Google as it is free to use. We separate the the team into 4 roles in which 2 of us are developers who develop the website and the other two will be in charge in the design and business analysis. We also use bootstrap as our front-end framework to design the website.

## **Challenges Encountered**

The challenge we face is the confusion of the problems statement as all the lists problems are very specific which cause limitations of idea. To overcome this problem we try to explore the website multiple time to find any room for improvement that we can do. We also did a lot of research online to help us to have a better understanding about the motion capture industry.

## **Key Learnings**

From this 24 hours hackathon our team have gained a lot of invaluable experience and knowledge. For instance we get to learn about the motion captor technology and the devices that is provided by our local company Summit Features. Besides, we also get to use this opportunity to advance our programming skill to develop a website. Most importantly we get to works in a team to make our solution come to life.

## **Future Directions for Project**

Provide a future outlook for the project. Mention potential improvements, additional features, and plans for further development. Discuss how the project can be scaled, marketed, or utilised in real-world applications. Highlight any upcoming events, collaborations, or next steps for the team. Besides, we can work closely with many university to held more workshops in the future. Furthermore, we can implement Search Engine Optimisation (SEO) technology to the website, so that the website is visible to a wider range of users whenever certain keywords that are related to motion capture.