CODE

Get User Requirements & UXUI Design for The BackEN EV Web Application

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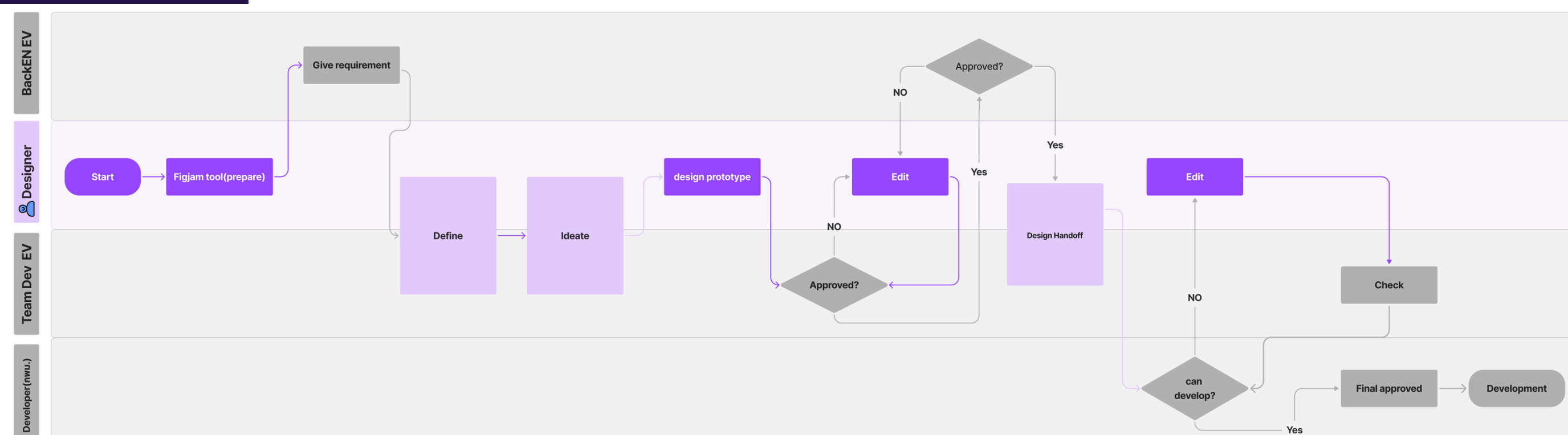
Abstract

This project focuses on a comprehensive UX/UI redesign of the BackEN EV web app, aimed at elevating both usability and accessibility. The process began with an in-depth gathering of user requirements in FigJam, ensuring a well-informed understanding of user needs. With these insights, a Figma prototype was developed to deliver a cohesive, user-centered experience.

Introduction

The redesigned UX/UI for the BackEN EV web application addresses critical limitations identified in the previous version, particularly the lack of mobile compatibility. The original design posed significant challenges for users attempting to access dashboard data on mobile devices due to suboptimal screen layouts. This updated design integrates principles of universal design, ensuring a fully responsive interface that adapts seamlessly across all devices and user contexts. Additionally, it incorporates new features aimed at enhancing usability, accessibility, and modern aesthetics. By prioritizing inclusivity and user-centered design, this redesign enables convenient, anytime-anywhere access to dashboard information, aligning with contemporary standards and diverse user needs.

Methodology

1. Prepare a tool to collect user requirements using Figjam to collect all data.
2. Collect requirements directly from the EGAT EV business development team to ensure alignment with business goals.
3. Identify and analyze issues by discussing the collected requirements with the team.
4. Brainstorm together to find solutions to solve the problems.
5. Create a prototype in Figma based on the collected insights and initial solutions.
6. Submit the prototype for the team's feedback. If adjustments are needed, revise the design and resubmit. Once the team approves, forward it to the business development team for further review.
7. Coordinate with the development team to check the technical feasibility of the design. If parts are not usable, modify the design as appropriate.
8. Final check with the team before handing over the design to the development team for coding and deployment.
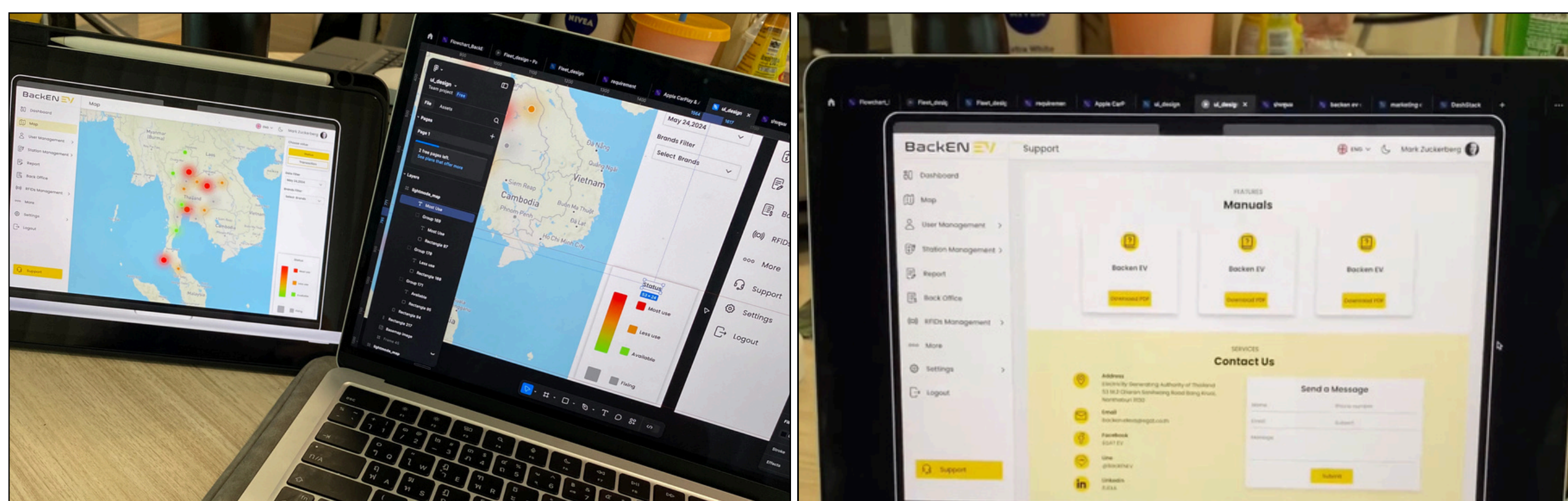
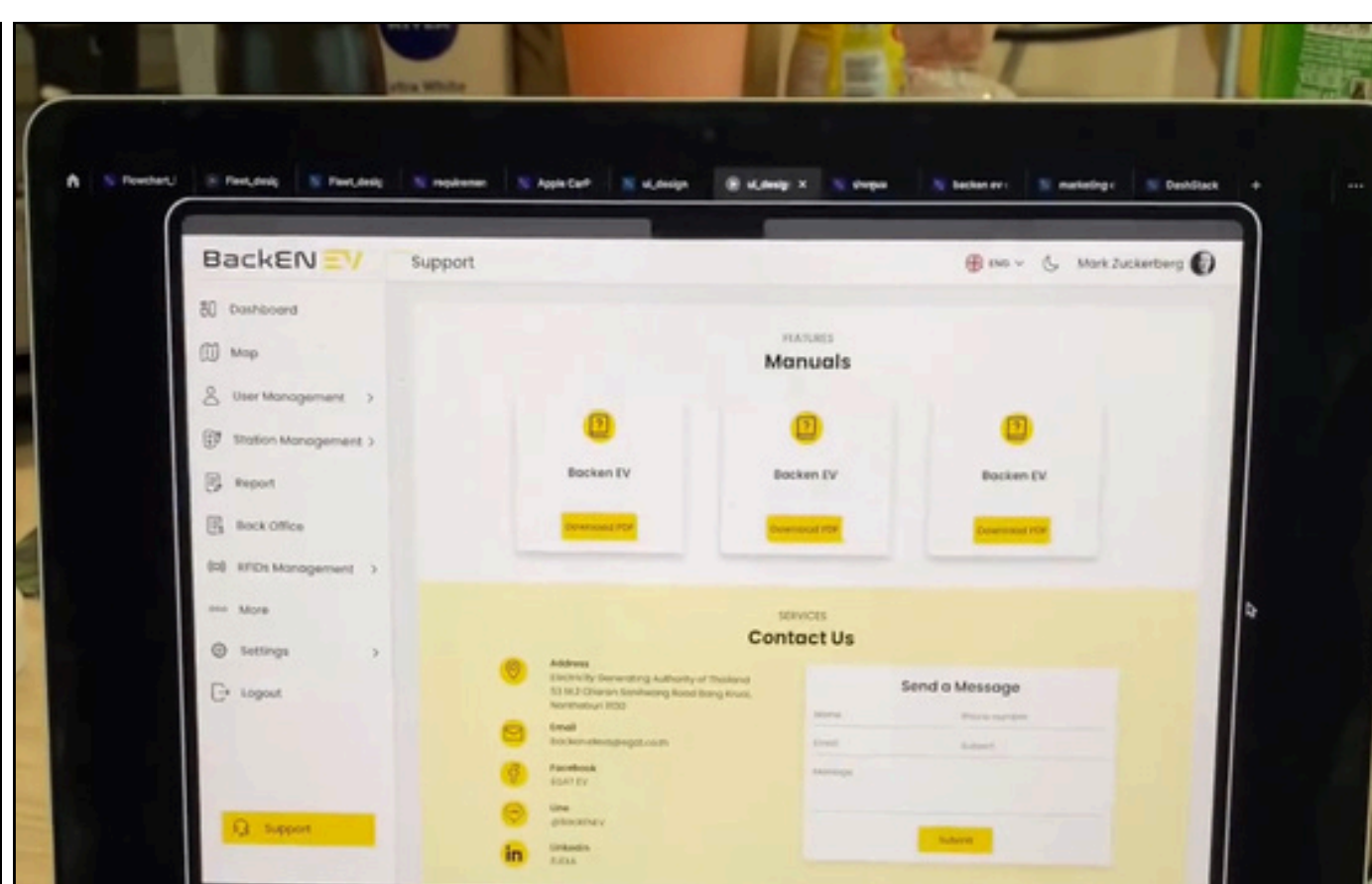## How I Work

Figure I : Design The Map in Figma

Figure II : Design Support Page in Figma

References

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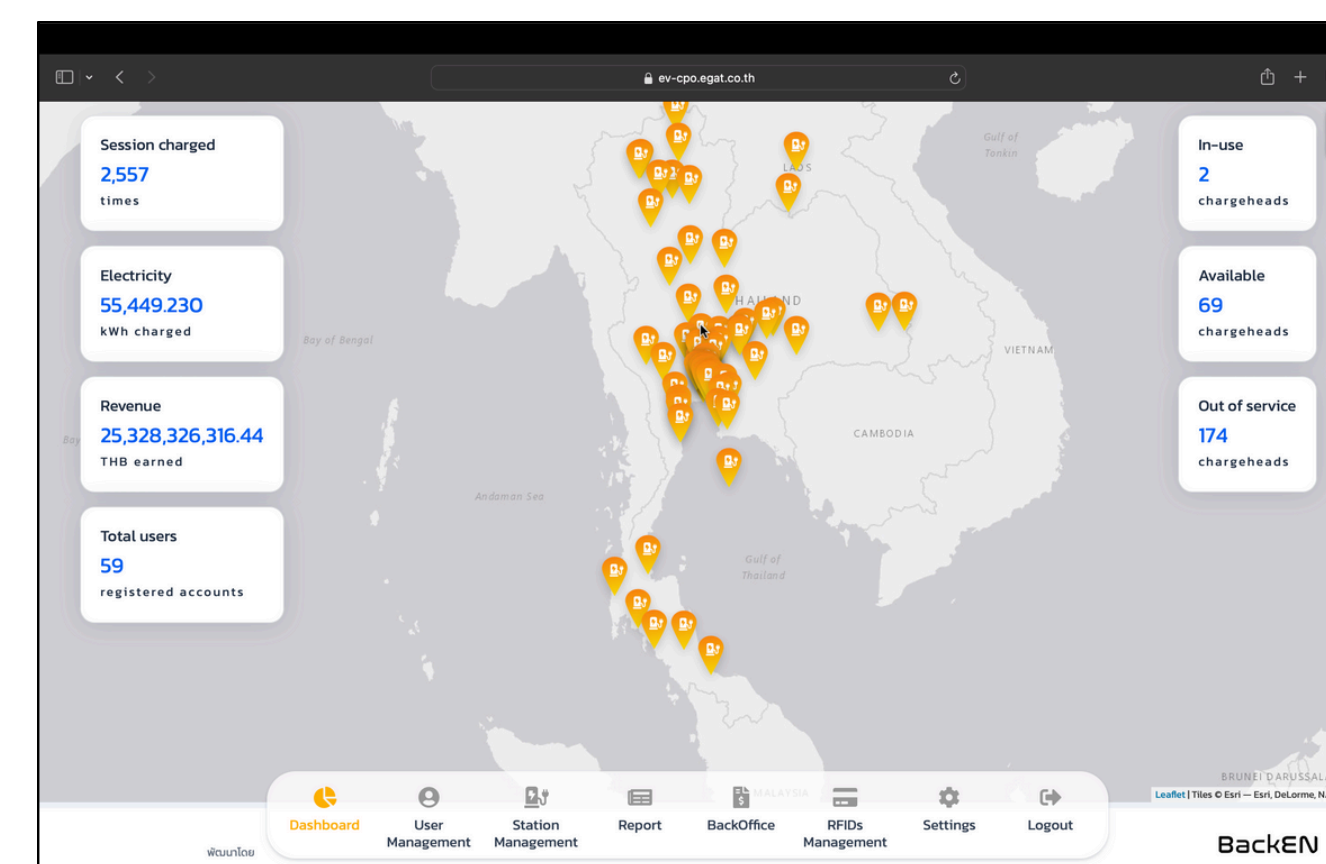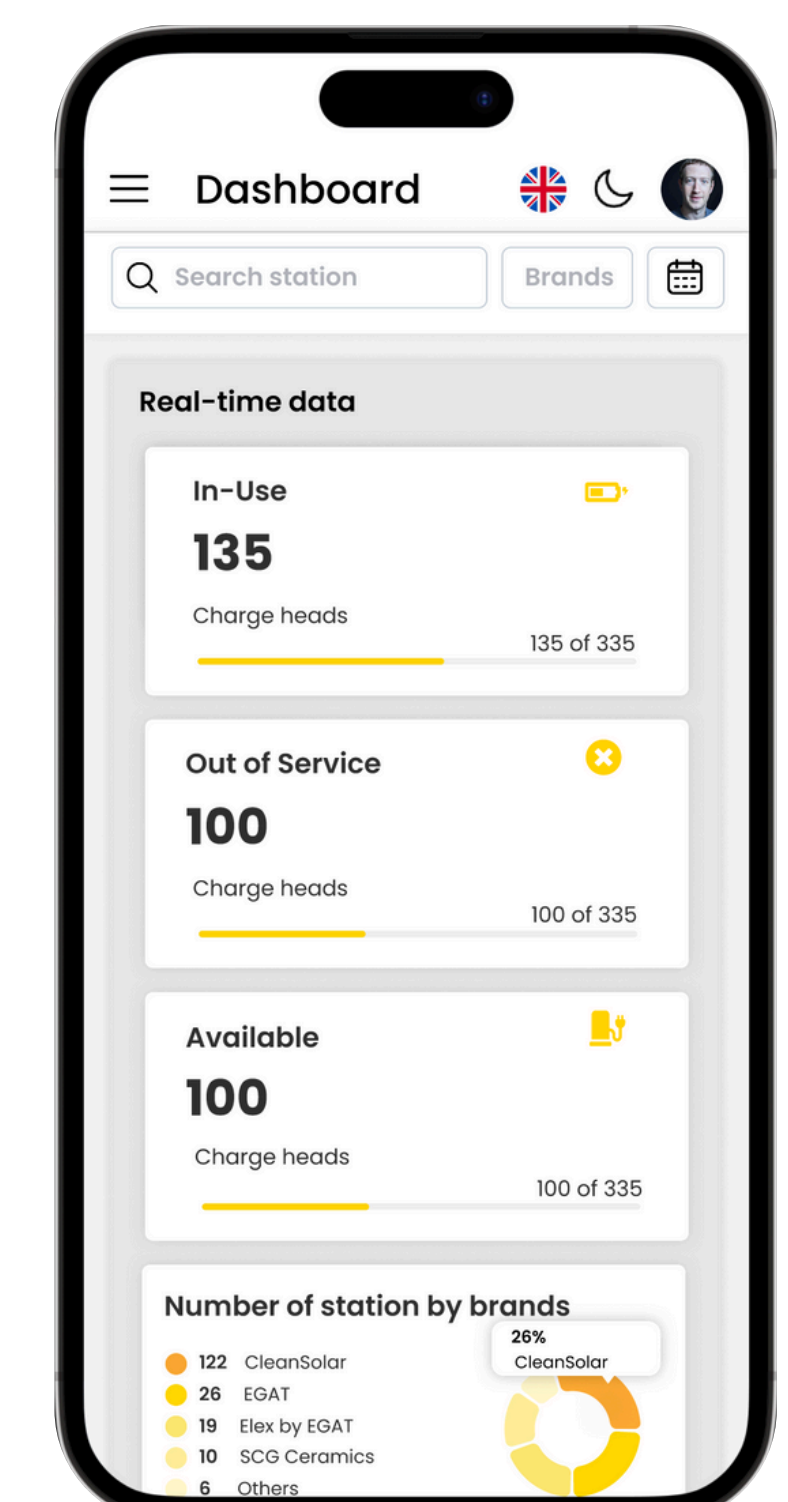
Figure III : Old Design VS New Design

Figure IV : New User Interface Responsive Design

Result

The project was successfully completed with a comprehensive design that supports both responsive and desktop interfaces. Each page was meticulously crafted to align with the functional requirements of users as well as the specifications of the original system. This design has now been formally transferred to the EGAT website development team for further development and implementation for real users.
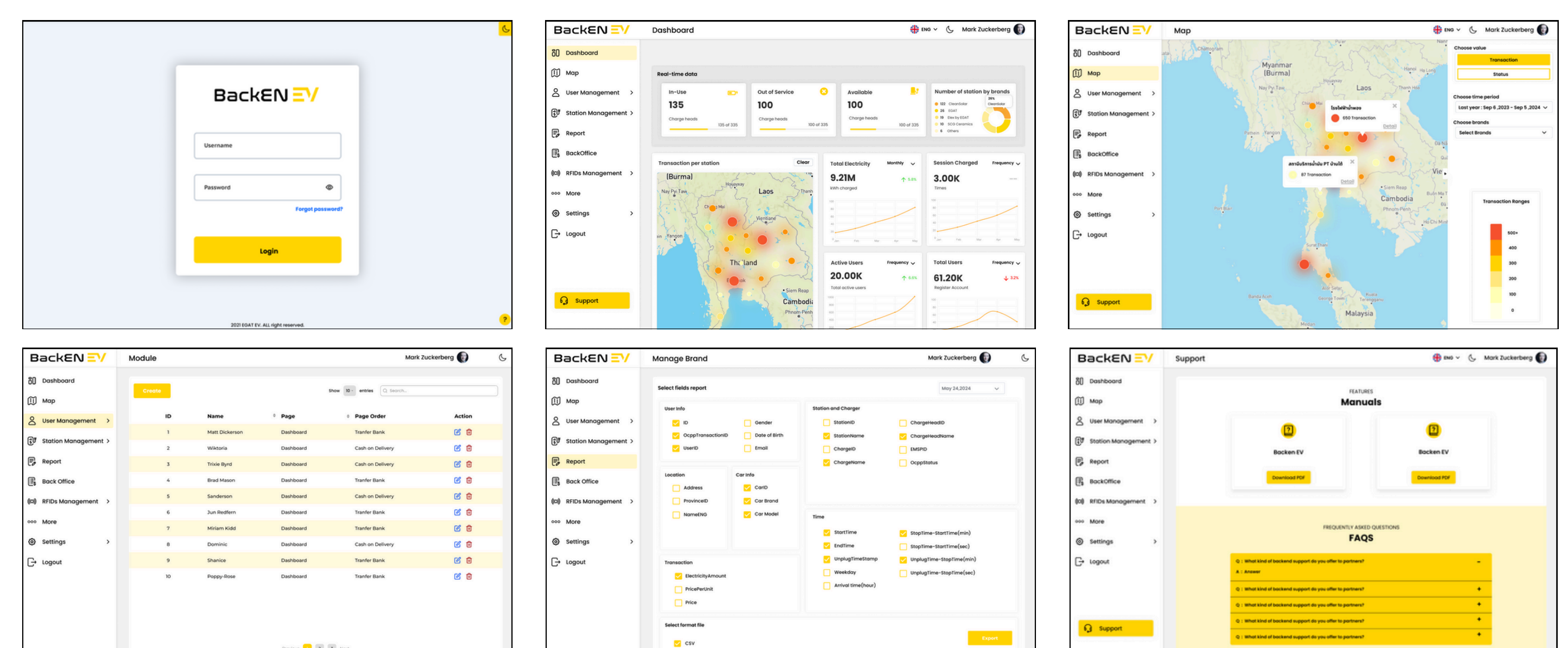
Figure VI : New User Interfaces For Desktop

Conclusion

The BackEN EV web app redesign successfully enhances functionality, accessibility, and mobile compatibility, addressing previous limitations with a user-centered, responsive interface. By integrating universal design principles, this project delivers a modern, inclusive experience that meets diverse user needs. The finalized design has been transferred to the EGAT team for implementation.

Acknowledgements