



Elderly Care



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Introduction

The Elderly and Disabled Empowerment app development project is dedicated to creating a user-friendly webpage and mobile application focused on enhancing accessibility and independence for elderly and disabled individuals. This innovative platform aims to simplify access to essential services, such as utilities and grocery shopping, offering users the ability to navigate these services effortlessly through an intuitive dashboard featuring large icons.

To bring this vision to life, a cross-functional project team—including web developers, UI/UX designers, integration specialists, quality assurance testers, and project managers—will collaborate closely to ensure that the final product not only meets the evolving needs of its target audience but also promotes greater convenience and independence. Together, we aim to create a solution that empowers users and enriches their daily lives.

Problems

Elderly people don't have access to online services due to lack of internet literacy and/or other disabilities.

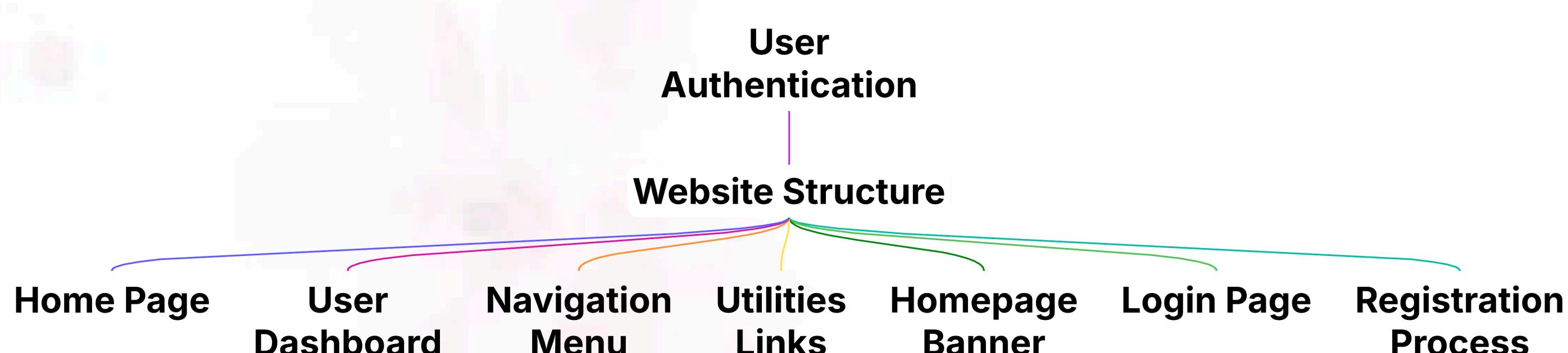
Caretakers/Users don't always have visibility into the elderly person schedule for appointments and paying their bills.

In an increasingly paperless world users need a secure cloud space for their important documents.

Technology

To create the Elderly Care Website, we utilized a variety of technologies and tools to streamline the development, design, and documentation process. ChatGPT played a crucial role in structuring the project by generating database schemas, class diagrams, data flow diagrams, and refining technical documentation. Lucidchart was used to visually map out the system architecture, data flow, and user interactions, ensuring clarity in design. The backend was built with Node.js, providing a robust and scalable API to handle user authentication, document management, and appointment scheduling, while the frontend was developed using React, allowing for an intuitive and dynamic user interface optimized for elderly users. GitHub facilitated version control and team collaboration, enabling seamless code integration and project tracking. Lightshot was used to capture and share screenshots for debugging and documentation purposes. Free Code Camp served as a valuable resource for learning and referencing best practices in coding. Microsoft 365 was essential for team communication, project planning, and documentation through tools like Word, Excel, and Teams. Lastly, Figma was instrumental in designing the UI/UX, allowing for prototyping and visualizing the user experience before implementation. By integrating these technologies, we ensured the Elderly Care Website is user-friendly, accessible, and well-structured for its target audience.

Web Diagram



User Interface Design

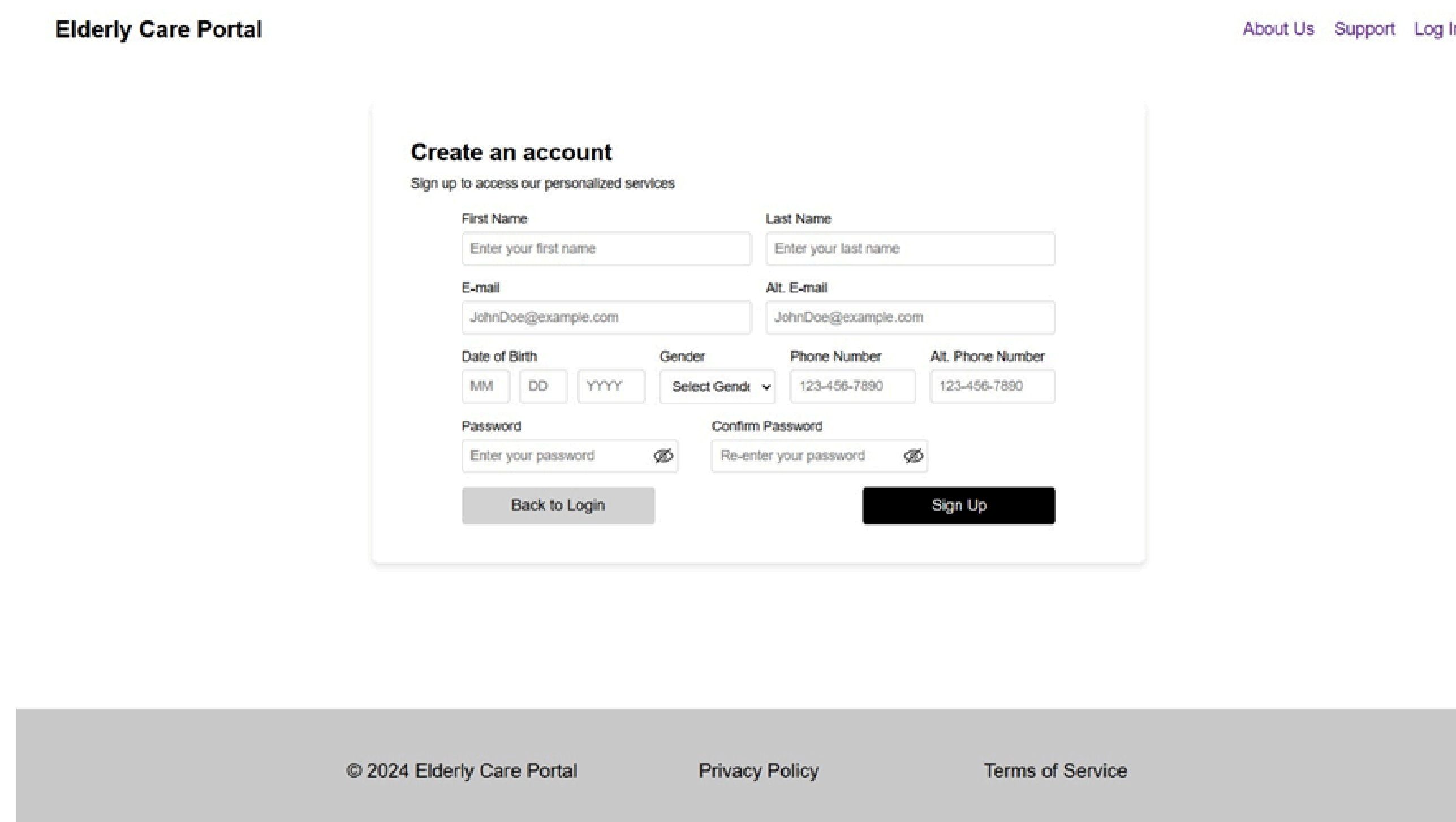


Fig 1. Create Account.

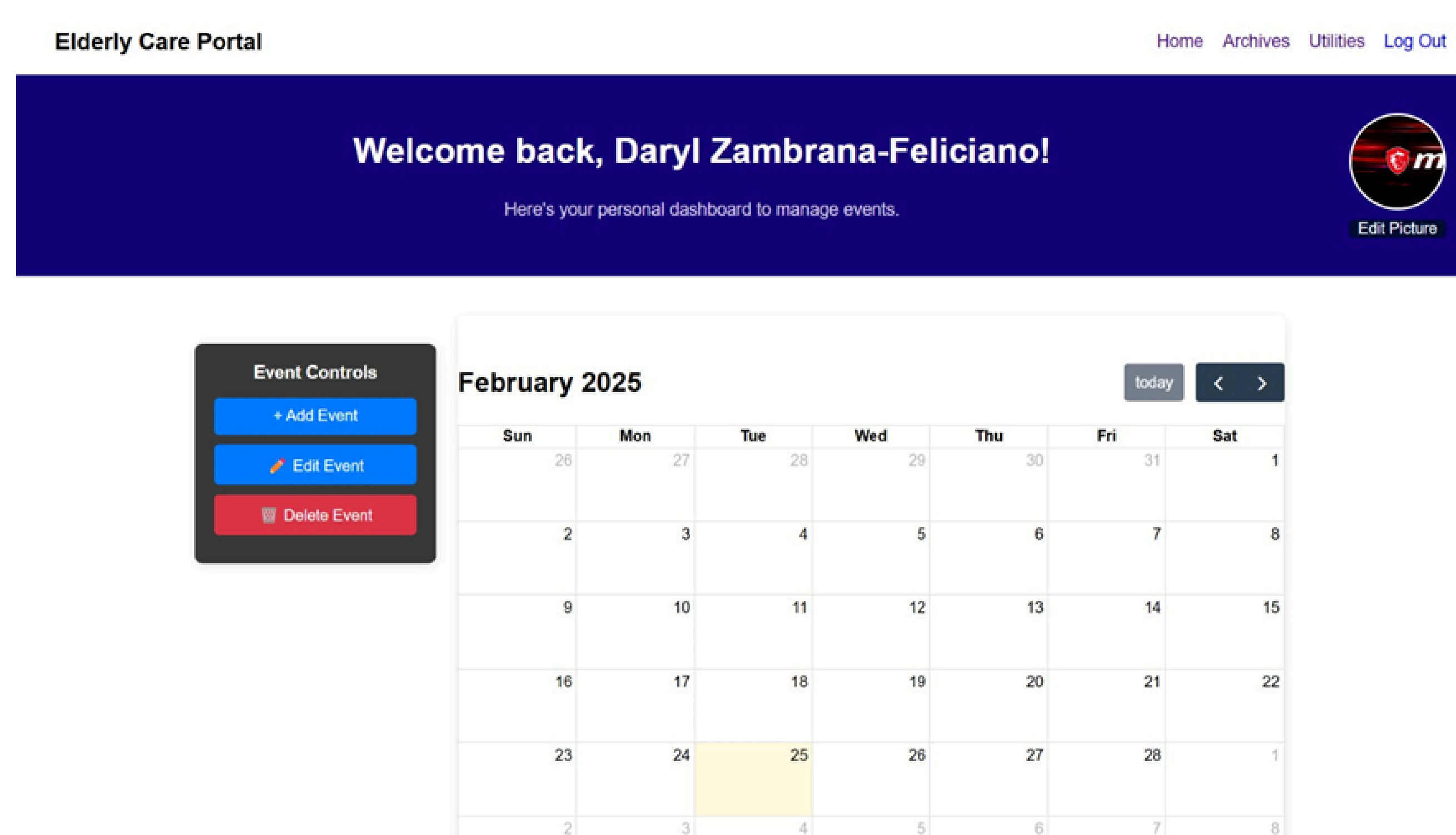


Fig 2. Homepage/Dashboard

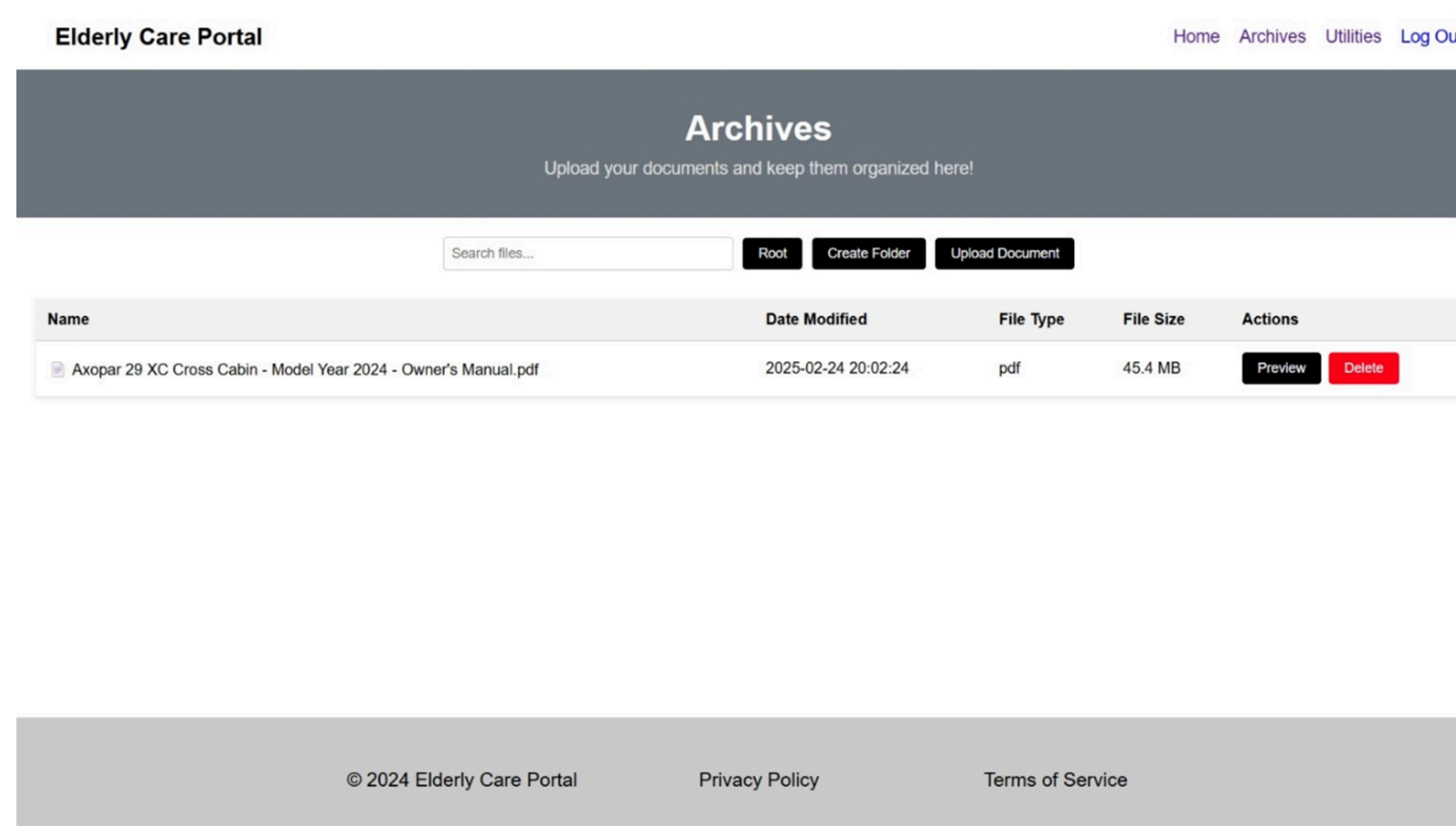


Fig 3. Archive

Conclusion

In conclusion, the Elderly and Disabled Empowerment app represents a significant step toward enhancing the quality of life for elderly and disabled individuals. By providing simplified access to essential services through a user-friendly interface, we aim to foster independence and empower users to navigate their daily tasks with confidence.

Our dedicated cross-functional project team is committed to continuous improvement and responsiveness to user feedback, ensuring that the application evolves in tandem with the needs of its audience. As we move forward, we are excited to deliver a solution that not only addresses a critical gap in accessibility but also promotes convenience and dignity in everyday life. Together, we can create a more inclusive digital landscape that uplifts often-overlooked communities.

Future Work

1. Advance accessibility features: vo1. Advance accessibility features: voice command navigation, text to speech AI assistant.
2. Enhanced caregiver & family access: multi-user support, shared scheduling, activity reports & logs, geolocation alerts.
3. Financial & bill management upgrades: automated bill payment system, expense tracking dashboard, fraud detection alerts, government & social benefits integration.
4. Community & social engagement: social networking for seniors, event & activity Finder, mental health & wellness resources.

Reference

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