

Medical Journey Log: A Family Care Tracker

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Project Description & Justification

The Medical Journey Log is a web application that helps families track medical notes, symptoms, and milestones for their children. It was designed to simplify communication among caregivers and reduce stress for families managing complex medical conditions. The project was inspired by my own family's experiences with scheduling, treatments, and therapy tracking for my son.

Functional Requirements & Specifications

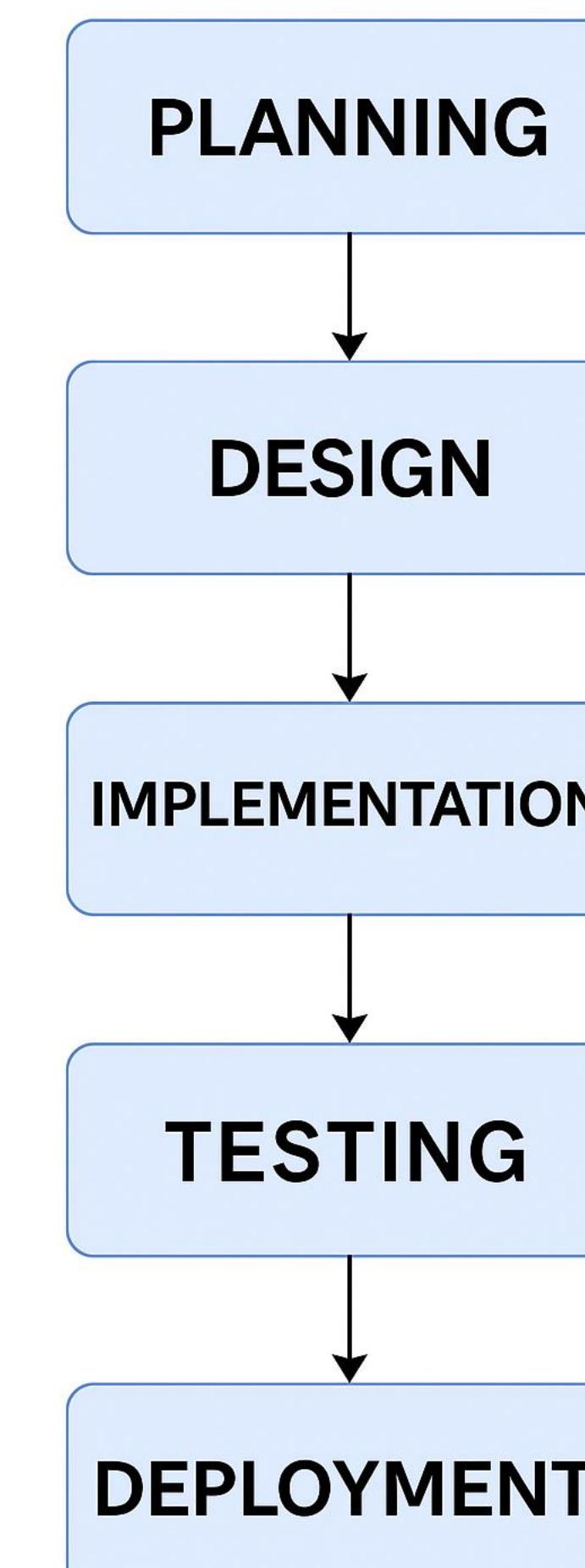
- Caregiver login (private, single-user design)
- Add and manage child profiles
- Log symptoms, medications, appointments, and milestones
- Responsive interface built with ASP.NET Razor Pages and C#
- MySQL backend with normalized relational design
- Accessible design following WCAG guidelines
- Data validation and form feedback

Relevant Data Summaries

The Medical Journey Log home page displays a list of children profiles, allowing caregivers to select or add a child to begin tracking their medical journey.

The Child Details page displays each child's profile information along with a list of logged symptoms, allowing caregivers to view, edit, or delete entries for accurate record management.

Design Process Overview



The development of the *Medical Journey Log* followed a structured Software Development Life Cycle (SDLC) to ensure organization, consistency, and quality throughout the project. The process began with **Planning**, where project goals and user needs were clearly defined. During the **Design** phase, system architecture diagrams, database structures, and user interface wireframes were created to guide implementation. The **Implementation** phase focused on coding the ASP.NET Razor Pages and integrating MySQL database functionality. Once the system was operational, **Testing** was conducted to verify that features performed correctly and that the application met all functional requirements. Finally, the **Deployment** phase prepared the application for presentation and demonstration at the Technology Showcase.

The Log a Symptom page allows caregivers to record and describe a child's symptoms, providing details such as name, description, and date for accurate medical tracking.

