

Homecare

A hospice-care agency interface

A dark blue diagonal gradient bar that starts from the bottom left and extends towards the top right, covering the lower half of the slide.

Group Members

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Description of the Project

Our Application, 'HomeCare' is an interactive app to pair privately practicing nurses with patients in need of care at their own homes.

Patients' family members are able to view updates on the status of their relative which are provided by the nurse(s) who is/are caring for their family member.

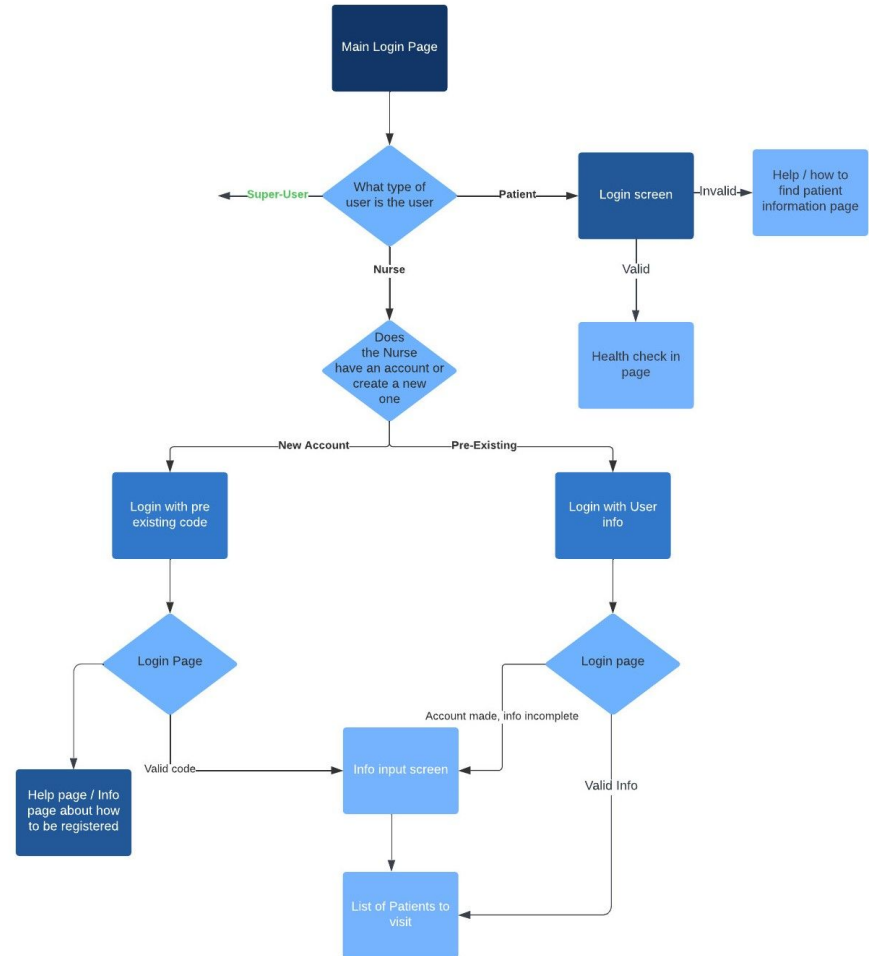
Nurses are able to view the medical needs and schedules of each of the patients to which they are assigned and post private updates about their visits with each patient.

A superuser administrator is able to register new nurses/patients, and make assignments of which patients are seen by which nurses.

Tools Utilized

- Project Tracker: GitHub Projects
- VCS repository: GitHub
- Database: PostgreSQL
- IDE: VSCode
- UI Tools: HTML, EJS, JavaScript, CSS
- Application Server: NodeJS
- Deployment environment: LocalHost with Docker & CU Boulder Private Servers
- Styling framework: Bootstrap
- Database diagrams: dbdiagram.io
- Containerization: Docker

Architecture Diagram



Challenges

- **Sessions were difficult for our group to figure out.** We had to think about what information should be stored in the session. We ended up storing the permission of the user and their database id
- **Staying organized with git** was a challenge but we quickly adapted and it helped our workflow.
- **Designing out database structure** proved to be less intuitive than we initially thought it would be; we had to make some changes as we wrote the methods to get data.
- **Maintaining a consistent vision** among the group members was difficult, but we met multiple times to make sure everyone was on the same page.