

Dialysis Patient Tracker

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Description

- Web application that allows user to track patients basic, demographic and treatment information.
- This application can be beneficial for users who need a quick synapse of their patient's treatment data or related information.



Features

- User Log In / Sign Up
- Search for patient by:
 - Patient medical record #
 - Patient last name
 - Physician last name
- Look up:
 - Patient General Information
 - Patient Demographic Information
 - Patient Treatment Information
- Ability to add, delete and edit data



Planning - User Stories

- I decided to build this application because I am a Dialysis RN and it is vital that we have the most up to date information on our patients.
- Most of the time we would receive report from the nurse who previously treated our patient, but this is not always possible.
- The information provided from this app can help users better map out a Plan of Care for the patients, enhance time management needs and most importantly improve Patient Safety outcomes.



Planning - Database

- There is one main table which includes all the information on the patient (General, Demographics, Treatments).
- The main table is broken down into three subtables(based on the above criteria) which are all link.
- If you change any information on one table all of the other tables would also update with the new entries.
- User can update the patient information as a whole or update just the sections needed



Technology Stack

- Language: C #
- Frameworks: ASP.NET MVC / Entity
- API : Visual Studio
- Database: SQL Server database
- Libraries: BootStrap
- Version Control : Git
- Repository Hosting: GitHub
- Others : HTML5 / CSS



Demo

- Project can be found here:
<https://github.com/fortsillmedic2017/DialysisTracker>



What I Learned

- ASP.NET MVC for building Web Applications (how to utilize the different options available when constructing pages)
- Entity Framework and how to migrate and connect my data to a database
- How to create code first database tables
- Increased my knowledge of SQL Servers, C# and Linq syntax
- Basic Bootstrap features



What's Next

- Adding more features like :
 - Drop down menus for standard form fields
 - Login authentication
 - Section for Vital Signs
- Improve my Bootstrap /CSS Techniques
- Learning JavaScript and applying it to my application
- Improve my code and make it cleaner with few repeats

