Household Manager

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Description

Household Manager allows modern households to create customized to-do lists according to their specific needs. Users are able to map out their home and create missions (i.e. chores) connected to specific rooms, due dates or different users of the app. With identity security, difficulty-based point scoring and fun icons, household management has never been easier or more fun!

Features

- CRUD capabilities
- Ability to set Due Date for missions and check off as completed, as well as ability to assign missions based on room or user.
- Identity interface with admin or user profile choice

Planning - User Stories

A user is able to create a profile and log-in securely when using our app. Once logged-in, a user is able to create missions and assign rooms, due date, icons, users and utilize the point system based on difficulty of the mission. The user is able to view a list of their missions, based on any criteria and is able to check complete once the mission is completed.

Planning - Database

Using SQL, we create a mission table, a room table, a user table, and a household table utilizing many- to - many relationships and one-to-many for household to users. This way, users are able to assign any mission to any room and to any user inside a household. They will be able to sort their to-do lists based on mission name, room, due date, user and so on.

Technology Stack

- Language: C#
- Framework: .NET 6.0
- Template engine: ASP.Net Core Web App (MVC)
- Database engine: SQL Express
- Other libraries or components: jQuery, Syncfusion, Identity, Sass, Font Awesome, Entity Framework

Demo

What I Learned

- New framework: I learned how to use Syncfusion and JQuery, as well as SQL express for database migration.
- New technique: I learned how to use an emoji API and how to work with DateTime variables and seeded data.
- New feature or problem: I learned how to work better with the model-view-controller relationship, as well as connecting views for a better UI. Additionally, I learned a LOT about using GitHub as a collaborator.

What's Next

- I would like to utilize Syncfusion's scheduler feature, allowing users to view missions based on due dates.
- Also, I want to start working with JQuery versus reading documentation, possibly adding a live check-mark feature, so as not to have to go to the "edit" view to mark missions as complete.