The project involves building a patient registry for chronic disease monitoring using Azure, SQL, and Tableau. It includes my own data, which I created, transformed into a CSV, and then analyzed. The visualization was created using Tableau by exploring trends in age, disease prevalence, and treatment effectiveness to help stakeholders make future decisions. By uploading this data to GitHub means there is easy access to the data.

The user groups would include public health students and healthcare analysts who require organized datasets assisted by visual tools to find patterns in treatment and health outcomes. The information that is needed is organized, clean data, metadata explaining each column, and a visualization to explore findings.

Case 1: A student will use the metadata to understand data definitions for analysis.
Case 2: The researcher will load the dataset in Python to create predictive models.
Case 2: The policy analyst will provide a visualization of trends for patient treatment.

Data is created and stored in Azure using SQL and transformed into a CSV, storing the data in a GitHub repository, and the metadata CSV describes each field.

The system objectives help improve easy access to healthcare data, better understanding through metadata, and visualization.

The development plan includes:
Week 1: Create the data in Azure using SQL
Week 2: Export the data in CSV format and create a CSV metadata for better understanding.
Week 3: Create a GitHub repository to store data, and include a visualization.
Week 4: Finish the writing and findings and publish them.

This can be tested by peer reviews and shared with instructors and classmates.

The required skills for this project are Azure, SQL, Tableau visualization, and GitHub.