1. Team Roles

A cool team name (this is the most important one!!!)

- Acme Gang
- ELRC Explorers
- Synergistic Scripters
- Aggie ELRC Group

Customer

- Dr. Beverly Irby
- Dr. Matthew Etchells

Product Owner

- Chengyuan Qian

Scrum Master

- Jacob Mathes

Developers

- Yi-Ting Lee
- Jacob Mathes
- Andreas Santiago
- Brandon Nguyen
- Chengyuan Qian
- Jacob Valdiviez
- Minseo Park

2. Project Summary

This project is the start of a journey to bring the Synergistic Leadership Theory, the first leadership theory of the 21st Century, into a practical, interactive web application. The mission is to develop a platform that not only educates on the theory but also allows users to access leadership effectiveness through The Organization and Leadership Effectiveness Inventory (OLEI).

Stakeholders include Drs. Beverly Irby and Matthew Etchells, alongside a team of students committed to transcending traditional, male-dominant leadership paradigms. The platform will feature an animated, interactive tetrahedral model representing the theory's core factors: Leadership Behaviors, Organizational Structure, External Forces, and Attitudes, Values, and Beliefs. This tool will facilitate a deeper understanding of leadership dynamics but also generate personalized leadership style analysis.

3. User Stories

- Feature 1: Development Environment Setup
    [As a] development team,
    [So that] we can start developing the leadership style analysis tool efficiently,
    [I want to] set up our development environment with all necessary tools and dependencies.

- Feature 2: Leadership Theory Study
    [As a] development team,
    [So that] we can accurately implement its principles into our tool,
    [I want to] study Synergistic Leadership Theory in-depth (or in a nutshell?).

- Feature 3: Initial UI/UX Design
    [As a] UI/UX designer,
    [So that] we have a clear visual direction for our project,
    [I want to] create initial wireframes for the web application.

- Feature 4: Data Model Design
    [As a] backend developer,
    [So that] we can efficiently store and process user inputs,
    [I want to] design the data model for storing leadership survey responses.

- Feature 5: Interactive Model Interaction
    [As a] user,
    [So that] I can select different sides of the tetrahedron and learn about each factor of the leadership theory,
    [I want to] interact with the tetrahedral model on the website.

- Feature 6: Data Submission
    [As a] school leader,
    [So that] I can receive an analysis of my leadership style based on the Synergistic Leadership Theory,
    [I want to] input my leadership style data through a survey on the website.

- Feature 7: Analysis Result Presentation
    [As a] school leader,

[So that] I can understand my alignment or misalignment within the four factors of the theory,

[I want to] see my leadership style analysis presented visually.

- Feature 8: Theory Exploration

[As a] visitor to the website,

[So that] I can learn about its principles and how it applies to educational leadership,

[I want to] explore information about the Synergistic Leadership Theory.
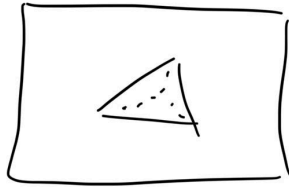
- Feature 9: Access Configuration

[As a] project administrator,

[So that] users can have tailored experiences based on their user type,

[I want to] set different levels of access and views for the data.

4. User Interface

Synergistic Leadership

See how aligned your leadership
is with your organization.
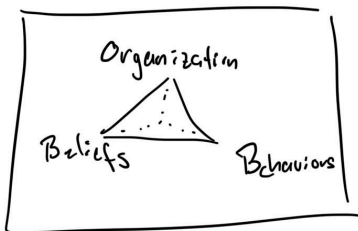
Take the Test

Leadership Survey

Leadership Survey

1. ~~~~~~~~~~

   ☐ Strong Disagree
   ☐ Disagree
   ☐ neutral
   ☐ agree
   ☐ strong agree

2. ~~~~~~~~~~
   ⋮

Your Leadership Style

Organization

Beliefs   Behaviours

You are aligned
with your organization.

5. Sprint Backlog

Objective

To set up the environment and prepare necessary tools for developing a leadership style analysis tool based on the Synergistic Leadership Theory.

Selected User Stories (for this sprint)

- Feature 1: Development Environment Setup
  [As a] development team,
  [So that] we can start developing the leadership style analysis tool efficiently,
  [I want to] set up our development environment with all necessary tools and dependencies.
  Point Value: 3
  Reasoning: Straightforward task of getting tools and environments aligned. Simple but requires attention to detail to ensure everyone's setup matches.
  Assigned to: Entire team

- Feature 2: Leadership Theory Study
  [As a] development team,
  [So that] we can accurately implement its principles into our tool,
  [I want to] study Synergistic Leadership Theory in-depth.
  Point Value: 5
  Reasoning: It's intellectually demanding and sets the foundation for our project, hence the higher points.
  Assigned to: Entire team

- Feature 3: Initial UI/UX Design
  [As a] UI/UX designer,
  [So that] we have a clear visual direction for our project,
  [I want to] create initial wireframes for the web application.
  Point Value: 4
  Reasoning: A point value of 4 has been allocated because it shapes our project's visual and interactive direction.
  Assigned to: Entire team

- Feature 4: Data Model Design
  [As a] backend developer,
  [So that] we can efficiently store and process user inputs,
  [I want to] design the data model for storing leadership survey responses.
  Point Value: 5

Reasoning: This involves complex problem-solving skills about the data structures, and requires a prior knowledge of MVC framework as well.

Assigned to: Entire team

> Sprint Goal: The goal of this sprint is to establish the ground works for the project. This includes setting up the development environment, studying about the Synergistic Leadership Theory, creating initial UI/UX designs, and designing the data model.

6. Links

- GitHub
https://github.com/tamu-edu-students/csce606-ELRC-Synergistic-Leadership-Theory

- Pivotal Tracker
https://www.pivotaltracker.com/n/projects/2690137

- Slack
https://app.slack.com/client/T06GRHECJEM/C06GY2R74KX