

# 1. Team Roles

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

- Synergistic Scripters

## 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,

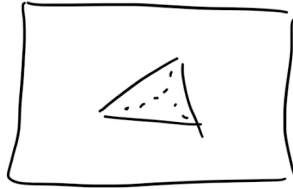
and Beliefs. This tool will facilitate a deeper understanding of leadership dynamics but also generate personalized leadership style analysis.

### 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: 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 6: 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 7: 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.

## 4. User Interface

### Synergistic Leadership



See how aligned your leadership  
is with your organization.

Take the Test

(Go to survey page)

Learn Leadership

(Go to about page)

**Feature 3 Mockup:** Wireframe for Web app. homepage

# About Synergistic Leadership

Developed in the 90s to provide a more diverse systematic view of leadership.

This survey allows participating organizations to analyze 'fit' between leadership style and expectations.

[Take the Survey](#)

(Go to survey page)

**Feature 7 Mockup:** Webpage for Learning more about S.L. Theory

# Leadership Survey

④



- ☐ Strong Disagree
- ☐ Disagree
- ☐ neutral
- ☐ agree
- ☐ Strong agree

②



⋮

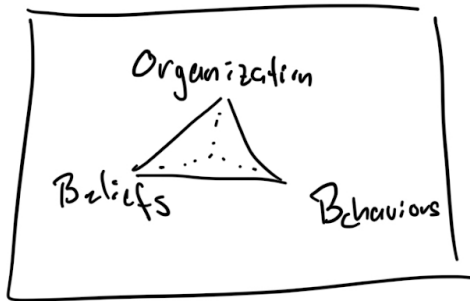
Analyze your Leadership

(Go to Analysis page)

---

Feature 5 Mockup: Leadership Data Submission

# Your Leadership Style



(interactive model ↗)

You are aligned  
with your organization.

## Feature 6 Mockup: Analysis Result Presentation

## 5. Sprint Backlog

### Objective

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

### Selected User Stories (for this sprint)

#### - Feature 1: Development Environment Setup

Points: 3

Assigned To: Chengyuan Qian Jacob Mathes

Time Est.: 1 Weeks

[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

Points: Unestimated (Research)

Assigned to: Chengyuan Qian Jacob Mathes

Time Est.: 2 Weeks

[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

Points: 3

Assigned To: Brandon Nguyen Minseo Park

Time Est.: 2 Weeks

[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

Points: 3

Assigned to: Jacob Valdiviez

Time Est.: 2 Weeks

[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: Data Submission

Points: 3

Assigned to: Andres Santiago Minseo Park

Time Est.: 2 Weeks

[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 6: Analysis Result Presentation

Points: 3

Assigned to: Yi-Ting Lee

Time Est.: 2 Weeks

[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 7: Theory Exploration

Points: 3

Assigned to: Andres Santiago

Time Est.: 2 Weeks

[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.

> 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>