

1. Team Roles

Customer

Dr. Beverly Irby Dr. Matthew Etchells

Product Owner

Jacob Mathes

Scrum Master

Chengyuan Qian

Developers

Yi-Ting Lee Minseo Park

Andres Santiago Jacob Mathes

Brandon Nguyen Chengyuan Qian

2. Customer Meeting Times

Meeting 1:

- Location: online (via Zoom)
- Time: Tuesday Apr 2, 2024 · 4pm – 5pm (Central Time - Chicago)

Meeting 2:

- Location: online (via Zoom)
- Time: Tuesday Apr 9, 2024 · 4pm – 5pm (Central Time - Chicago)

Meeting 3:

- Location: online (via Zoom)
- Time: Tuesday Apr 16, 2024 · 4pm – 5pm (Central Time - Chicago)

3. Project Summary

This project is the start of a journey to bring the Synergistic Leadership Theory, a modern take on leadership theory, into a practical and 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.

4. Sprint Goal:

This sprint aims to finalize the web page development on synergistic leadership theory. As the models and pages for the survey and result demonstration are all equipped, the main focus of this sprint will be on analyzing the survey results based on the theory provided by the client and improving the visualization effects.

We will also polish our code in this sprint by fixing bugs, adding more tests, improving test coverage, and reducing code smells.

5. Sprint Backlog

- Feature 21: Survey Profile Roles

Point: 1

[As a] survey respondent,

[So that] I can answer questions based on my position,

[I want to] save my position in the user profile.

- Feature 22: Role-Based Questions

Point: 1

[As a] survey respondent,

[So that] I can evaluate the principal from my perspective,

[I want to] answer questions based on my relative role to the principal.

- Feature 23: Average Supervisee (teachers) survey results

Point: 1

[As a] principal who has taken the survey,

[So that] I can compare my result to the overall result from teachers,

[I want to] calculate an average result of teachers' responses.

- Feature 24: Show Survey Result Comparison

Point: 2

[As a] principal who has taken the survey,

[So that] I can see my leadership style matches the environment.

[I want to] see the comparison of the survey results against my supervisor and supervisees in three columns.

- Feature 25: Bulged Tetrahedron Models
 Point: 2
 [As a] principal who has taken the survey,
 [So that] I can have a clear and intuitive understanding of my leadership style with the synergistic leadership theory,
 [I want to] have different bulged tetrahedron models to illustrate the survey results.
- Feature 26: Analyze the survey results
 Point: 3
 [As a] principal who has taken the survey,
 [So that] I evaluate my leadership style according to the synergistic leadership theory.
 [I want to] analyze the matches and mismatches between my survey results and my supervisor and supervisees' results, and visualize them by showing two tetrahedrons and coloring the table cells.
- Feature 27: Accessibility Features
 Point: 3
 [As a] principal who has taken the survey,
 [So that] I can see the survey results on browsers that do not support JavaScript,
 [I want to] have the tetrahedron visualization to be compatible with browsers that do not support JavaScript.
- Feature 28: Invitation with Login routing
 Point: 3
 [As a] invited survey respondent,
 [So that] I can create my account that is linked to the inviter,
 [I want to] create an account from the invitation link.
- Polishing codes:
 Point: 3
 fixing bugs, adding more tests, improving test coverage, and reducing code smells.

5. Task Assignments

- Feature 21: Survey Profile Roles: **Jacob Mathes**
 Estimated time: 1-2 weeks
- Feature 22: Role-Based Questions: **Jacob Mathes**
 Estimated time: 1-2 weeks
- Feature 23: Average Supervisee (teachers) survey results: **Yi-Ting Lee**
 Estimated time: 1-2 weeks

- Feature 24: Show Survey Result Comparison: Yi-Ting Lee
Estimated time: 1-2 weeks
- Feature 25: Bulged Tetrahedron Models: Chengyuan Qian
Estimated time: 1-2 weeks
- Feature 26: Analyze the survey results: Jacob Mathes Brandon Nguyen
Estimated time: 2 weeks
- Feature 27: Accessibility Features: Brandon Nguyen
Estimated time: 2 weeks
- Feature 28: Invitation with Login routing Minseo Park
Estimated time: 2 weeks
- Polishing codes: Andres Santiago Chengyuan Qian
Estimated time: 2 weeks

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
Live Deployment	https://elrc-app-dfcfc7cd862b.herokuapp.com/