Links
Pivotal Tracker: https://www.pivotaltracker.com/n/projects/2720653
GitHub repo : https://github.com/tamu-edu-students/csce606-ELRC-OLEI_Project
Heroku deployment : https://elrc-app-dfcfc7cd862b.herokuapp.com/

Dates of the sprint: Sept 23 2024 to 07 Oct 2024

Information about the team and its members with an overview of their roles and effort done in the sprint:
Scrum master for the sprint: Sai Nithin
Product owner for the sprint: Vinayaka Hegde
Developers: Chih-Chuan Hsu
Kunal Somendrasingh
Manoj Gurram
Manoj Peta
Sai Padma

Contributions:

Name	**Role**	**Effort**	**Percent contribution to the user story assigned to them**
Vinayaka	Product owner	Handled all the interactions with the client, including setting up client meetings, and understanding the requirements of the client, and asking relevant questions to clarify the requirements	**100**
Sai Nithin	Scrum master	Created user stories, and assigned to the developers, and made changes to the story description and updated one of the stories to blocked, since it was dependent on the input dataset	**100**
Chih-Chuan	Dev	Solved the bug of the delete response after submitting the survey	**100**
Kunal S	Dev	Tested the existing legacy code by participating in the survey	**100**
Manoj Gurram	Dev	Worked on understanding the legacy code and reproducing it	**100**
Manoj Peta	Dev	Worked on creating a new admin page for the client	**100**

Sai Padma	Dev	Provided the client to the access with the data	**100**

The sprint goal :
The main aim of Sprint1 is to revamp the legacy code, and add the following new features according to the requirements of the client:
1. Understanding the legacy code by reproducing it in our local systems
2. Testing the existing legacy code by participating in the survey and making sure that the entered survey responses match the ones that are stored in the database
3. Provide access to the data of the surveys, either in the form of a csv file, or in the form of an admin dashboard
4. Create a new user interface for any of the Teacher/Supervisor/Principal to view the results of the surveys that they were a part of.

An overview of sprint achievements (summary of stories implemented in this sprint):

1. We understood the legacy code completely, and all the 5 developers reproduced the code in their systems, and made sure that there are no problems with the legacy codebase. The corresponding story was completed by Kunal and Chih.
2. Kunal completed the story where he participated in the survey a user, and made sure that the entered survey responses match the ones that are stored in the database
3. Sai Akarsh worked on the story where we had to provide access to the data of the surveys, either in the form of a csv file, or in the form of an admin dashboard
4. Solved the bug for “delete response” after finishing the survey. This bug was resolved by Chih.

List of sprint backlog items and their status:

+ **Story1:** Understand the legacy code by reproducing it
+ **Story2:** Test the existing legacy code by participating in the survey
+ **Story3:** Provide the client with access to the data
+ **Story4:** Solve the bug “delete response” after completing the survey

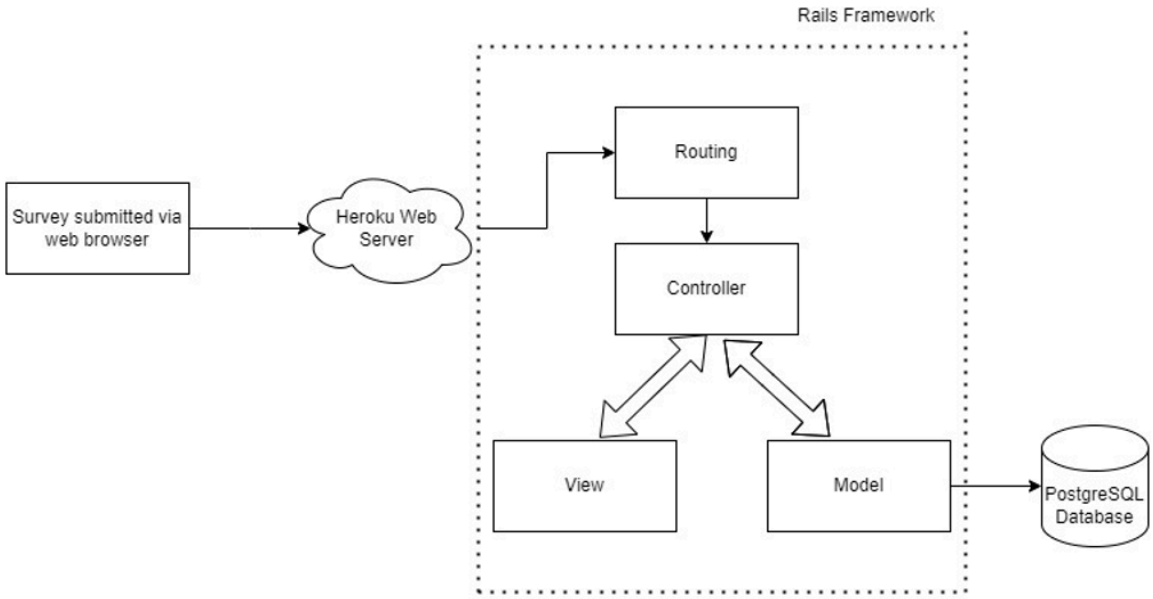
* Initially, we didn’t find the bug of “delete response” while writing the sprint1 plan. During sprint1, after digging deep into the repository, we found several bugs, and so we needed to change the story so that these bugs were accommodated in the sprint 1

- **Story5:** Create the tetrahedron model and display it in the UI
- **Details:** We need to create the tetrahedron model to take into account all the four factors that are provided by the user during the survey, and display the tetrahedron in the UI.
  Explanation of why this is currently blocked: The client needs to share with us the csv file of the mapping of Teachers to Supervisors. Until then, we won't be able to proceed. She was supposed to share it by now, but we haven't received it yet. This story

is therefore dependent on the input data

- **Burn down chart displaying the progress of the sprint**

- **Design diagram for this sprint**



Customer meeting date & time & place to demo this the MVP and summary of discussion and feedback:

We met the customer 2 times during sprint1:

1. Sept 24 2024, 5pm to 6:30pm, at 8th Floor, Educational Leadership research center, Harrington Tower, TAMU.
Summary of the discussion: The client , Prof. Beverly explained about the work carried out previously, and discussed in detail about the 4 methods of the survey results. Then, she dived deep into each of the methods, and explained why it is important for us to consider all 4 methods. Then, she explained about the SLT theory on which the model is based on. Further, she explained that we have to construct a tetrahedron using all the four parameters, and she also briefed on the requirements of the project. The main requirement is to create a dashboard that provides her with the database access, and also to create a new user interface that helps her to analyze and visualize the results of the survey. Since this was our very first meeting with the client, there was no feedback.

2. 2nd October 2024, 12pm to 1:30pm, at Room 575, Educational Leadership research center, Harrington Tower, TAMU.
Summary of the Discussion: Dr. Irby provided a detailed explanation of how the survey functions, highlighting that each participant consistently responds to questions regarding their perceptions of their supervisor. Manoo, a PhD student under Dr. Irby, then elaborated on the structure of the input data and shared the relevant Excel files with us, enabling us to map teachers to their corresponding supervisors. Dr. Irby subsequently suggested modifications to the initial tetrahedron feature, proposing that instead of a single tetrahedron, there should be two: one for the user's self-analysis and another reflecting the teacher's perspective toward their supervisor. During the discussion, our team members addressed their questions and uncertainties with Dr. Irby and Manoo, leading to a clearer understanding of the features to be developed in the upcoming sprints.

Feedback: Dr. Irby and Manoo provided several insights into our understanding of the legacy code. Firstly, Dr. Irby emphasized the need to develop a proper website for displaying the tetrahedron, as the current implementation lacks this functionality. She also clarified that the existing tetrahedron is merely a placeholder and does not accurately represent the survey results. Additionally, she offered guidance on devising a formula to translate survey data into a tetrahedron format that can be effectively visualized on the website. Furthermore, she recommended that we test the survey from multiple perspectives, such as those of a teacher, supervisor, and principal. We should then document these results and use them to enhance the tetrahedron's visualization.

Any additional documentation related to the user stories, e.g. changes to lo-fi UIs:

Yes, Dr Irby suggested a couple of changes to the UIs that we had created. Firstly, she mentioned to include an additional tetrahedron along with the existing one. The first tetrahedron would help in analyzing what the user thinks about themselves, and the second would help in understanding the perspective of the user towards their supervisor. Apart from this, she also suggested that when the results of the surveys for a supervisor does not agree with that of their own perspectives, then there has to be a bulge on one of the sides of the tetrahedron, indicating that the perspectives of the supervisor and their subordinates are in mismatch.

Evaluations of your code and tests:
We used Code climate to analyze smells. The number of smells: 0
We used Rubocop to analyze the number of style offenses. The number of style offenses: 0
We used Simplecov to analyze the code coverage percent. The code coverage percent: 97.6%

BDD and TDD:
Cucumber step definitions for the newly developed features have been added in :
https://github.com/tamu-edu-students/csce606-ELRC-OLEI_Project/tree/main/rails_root/features/step_definitions
Link to the cucumber feature files:
https://github.com/tamu-edu-students/csce606-ELRC-OLEI_Project/tree/main/rails_root/features

Location of .spec files for the newly added admin page feature in the current sprint:
rails_root/spec/views/admins/index.html.erb_spec.rb
rails_root/spec/helpers/admins_helper_spec.rb
rails_root/spec/requests/admins_spec.rb