CyberCRM
Sprint 1 Report

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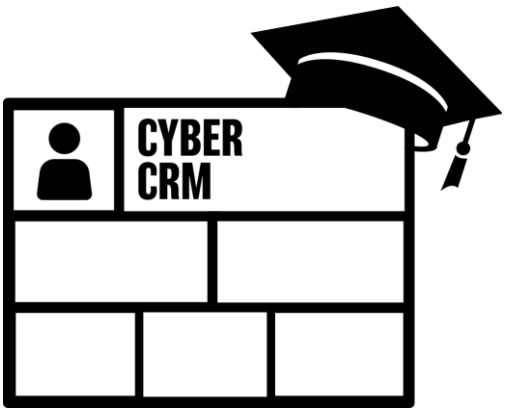

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Executive Summary

This is a CRM (Customer Relationship Management) system to use for tracking cybersecurity students so information could be easily accessible to program directors. The primary objective is the ability to pull up a profile page with information on any given student while also having the ability to add or update information on the student. The secondary objective is to be able to run reports on given people or organizations with

filters. This could include a list of all the students who have taken a certain certification or in a certain cybersecurity organization.

There will be Role-based access control (RBAC) and have three primary roles: Super User, Program Director, Student Worker. Program Directors could be assigned super user access and student workers have the least permissions with only the ability to add or read in certain specified areas. Program directors by default will only be able to view their program information with their student's information.

User Stories

User Stories

Program Director

As a program director, I need people to authenticate to their correct roles.

As a program director, I need to have a list of students sorted by name.

As a program director I need access to personally identifiable information.

Professor/Grader

As a grader for this project, I need this to be a website hosted on Heroku.

User

As a user, I want to see some basic page layouts.

Work Done

Completed

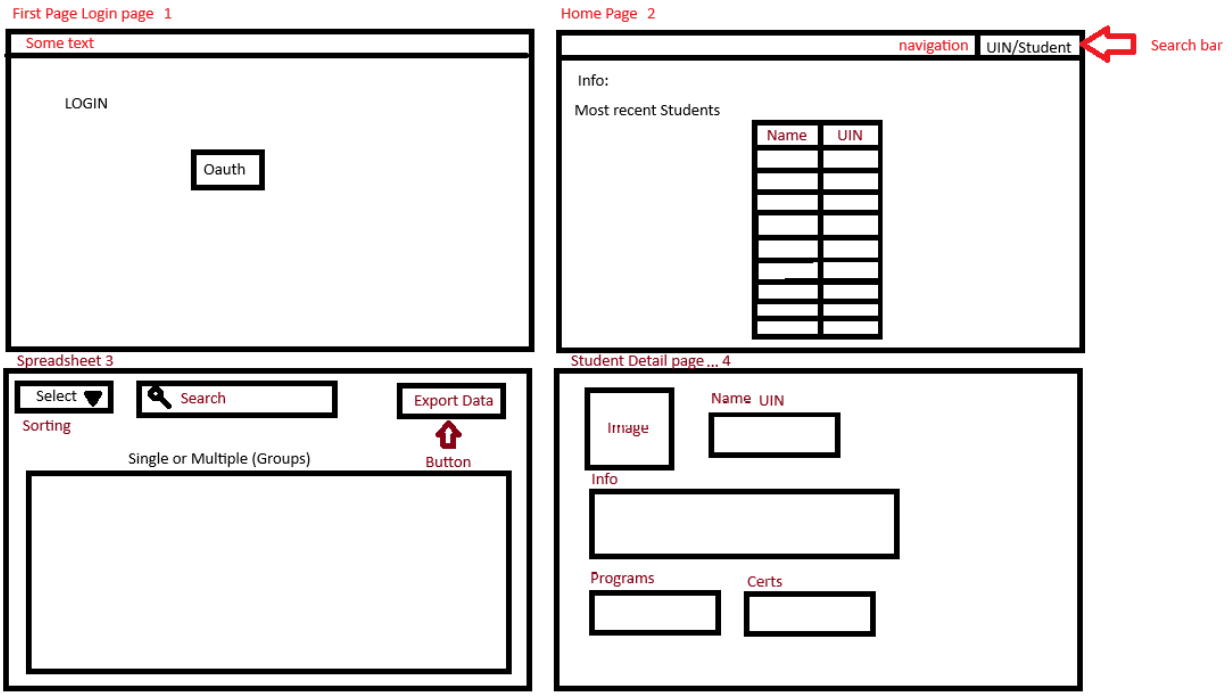
- OAUTH and RBAC (Role Based Access Control) have been completed.
  - Includes three roles: Superuser, program admin, and student work. Different emails are assigned to different roles.
- Hosting the website and database on Heroku has been completed.
  - Used Heroku Postgres for the database.
- Basic layout design of the website.

Blockers

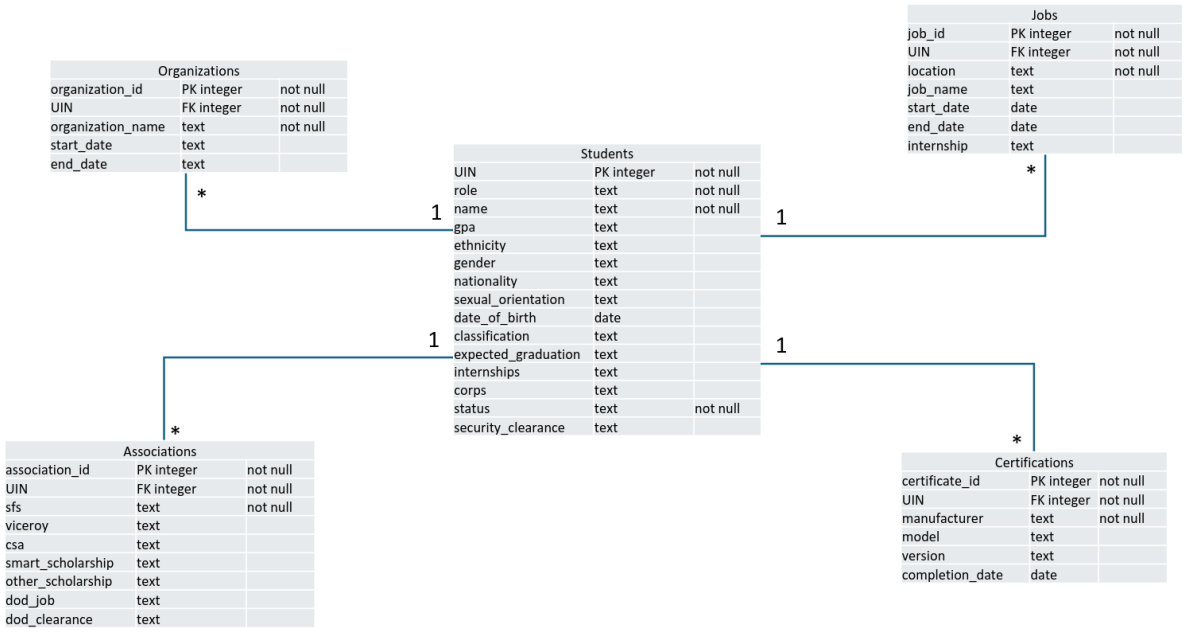
- Not everyone was able to complete the given tasks by the end of the Sprint which resulted in the sprint goal being not fully completed. This entailed the display of the database contents on the website.

- CodeClimate was not able to be connected to. A response was received from support and now awaiting a response from the organization leader of tamu-edu-students for CodeClimate.

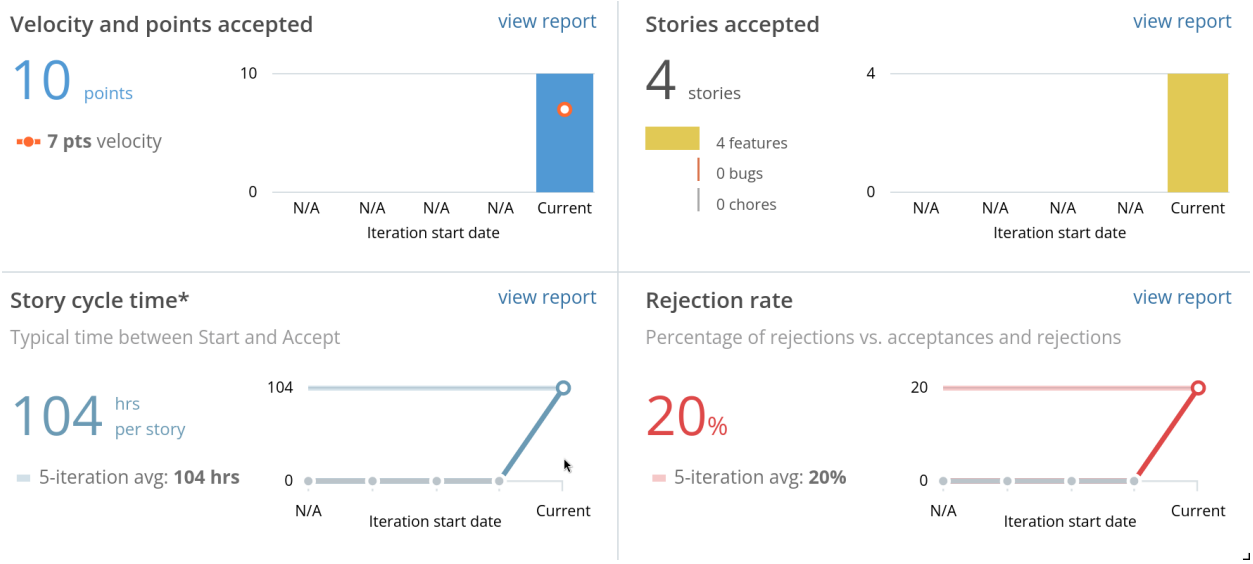
Interface Diagram



ERD Diagram



Project Analytics



Project Management

Team Roles

Christopher Muniz

Basic page layouts.

Matthew Atanas

Displaying database data on the pages.

Scrum Master

Noam Gariani

Heroku and OAUTH (RBAC).

Product Owner.

Patrick Cannell

Database design.

Will Tatum

OAUTH and Heroku.

Development Methodology

Our development method is Agile. We have discussed as a team having a stand-up meeting every weekday at 5:45pm. Along with this, we have meetings scheduled with Professor Romero every Wednesday and Dr. Ritchey every Thursday at 5:30pm.

SCRUM Meetings:

1. Monday | 5:45 pm – 6:00 pm | Note: Through Discord.
2. Tuesday | 5:45 pm – 6:00 pm | Note: Through Discord.
3. Wednesday | 5:45 pm – 6:45 pm | Note: Professor Romero Meeting on this day.
4. Thursday | 5:45 pm – 6:45 pm | Note: Professor Ritchey Meeting on this day.
5. Friday | 5:45 pm – 6:45 pm | Note: Through Discord.

Additionally, we can create meetings as needed based on the workload. This could include added working hours for members. This is not limited to full group meetings and could be set by people within the group to work together. Also, we use discord to communicate between the team members to coordinate all tasks and work for the project.

By using Pivotal Tracker, we can have the backlog and stories with all the needed planning materials hosted on the site. This makes going through SCRUM Agile more seamless as it helps with planning and assigning work as well as creating automated graphs such as burn down charts.

We use a product backlog that includes all our tasks that need to be done. These should be assigned to all developers on the team. Every sprint there will be tasks from the product backlog and at the end of every sprint we will conduct backlog refinement. By doing this we can stay on top of the needs of our project.