

Project Summary

csci205_final

Project Details

Members

- Aiden Kim
- Andrew Bond
- Bennett McKeon

Project Retrospective

What was your initial goal?

Our initial goal was to create a secure password manager that can hold passwords in a safe and searchable format via encryption.

What did you achieve?

We created a password manager with our initially intended features with an amazing UI.

What went well in the project?

Encryption was a large worry for the team, but we have incorporated it effectively into our password manager.

What could be improved?

We can test our JavaFX code more for errors, as we did not have much time to bug test.

What would you change if you did the project again?

We would work harder near the beginning so we can include more features. Some things, such as a health analyzer, a forgotten password retrieval method, and a database, could have been incorporated if we worked the first two weeks as we did the last two.

Charts

Project Health

csci205_final (As of: 5-5-2025)
Includes backlog



Unstarted (0h) Started – Remaining (0h) Spent (126.5h)

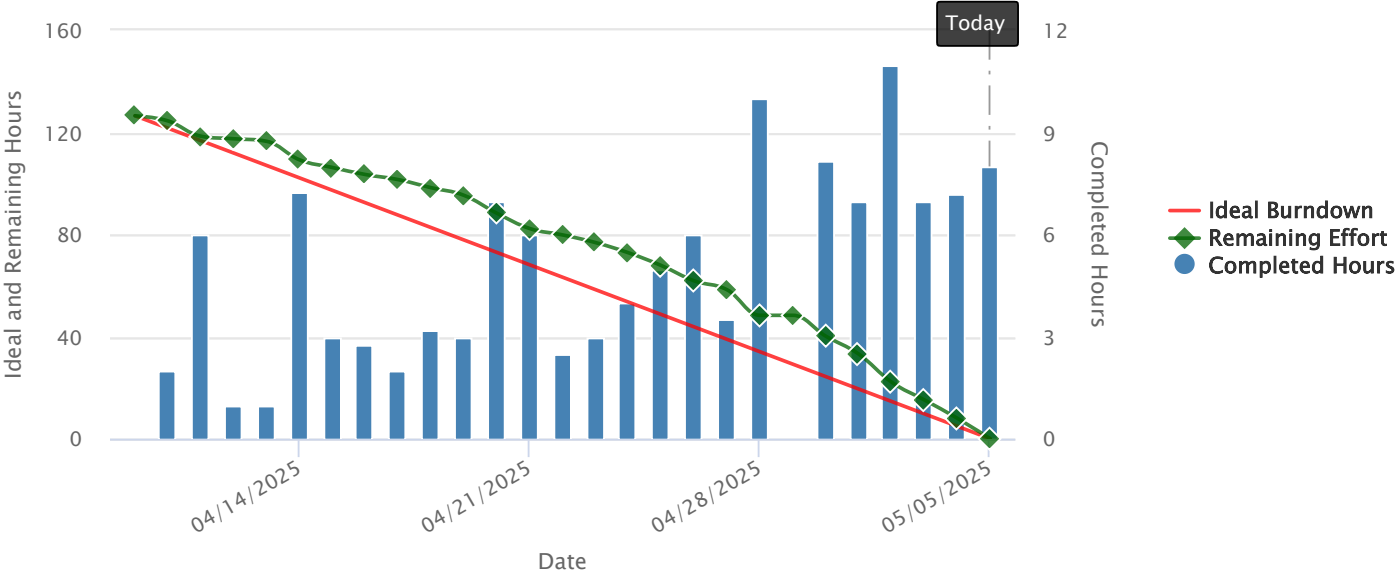
Highcharts.com

We completed everything we planned at the start but there was some holes in our initial approach. We added some extra features that we were not originally planning on putting in. Overall, we approached the estimated 144 hours of work total for this 4 week project.

Burndown Chart

Project Burndown Chart

csci205_final (As of: 5-5-2025)
Does not include backlog



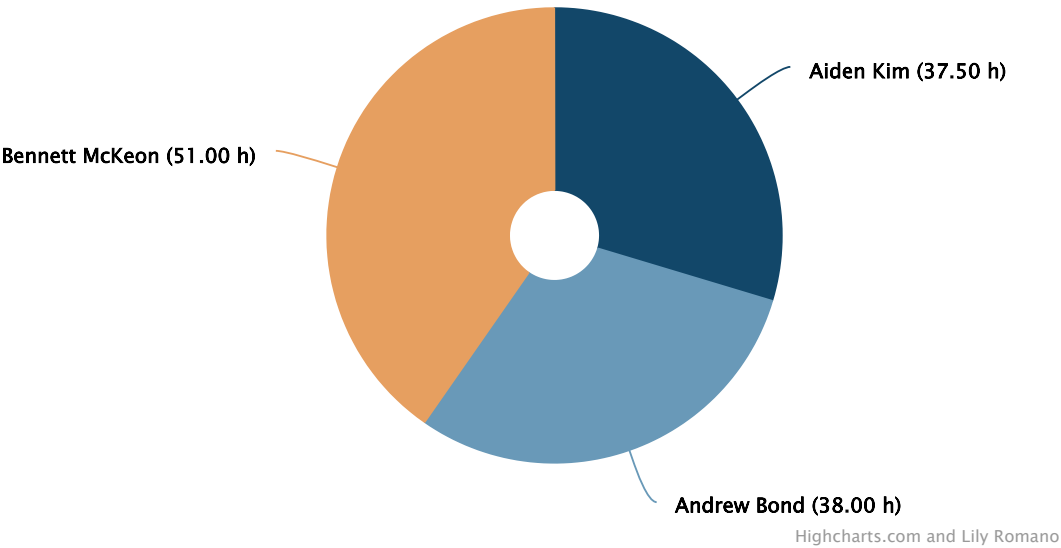
Highcharts.com and Lily Romano

As stated previously, we lacked consistency for the first couple of sprints and accelerated our efficiency in the last two. It would have followed scrum practice to try and stay more consistent throughout the entire project.

Assignee Chart

Project Hours assigned vs. completed

csci205_final (As of: 5-5-2025)
Does not include backlog



We worked a similar amount on the project, with Bennett taking a keen interest in documentation and taking on extra tasks. As a group, we feel we effectively completed the project while staying responsible for our own tasks.

Name	User Stories	Bugs	Tech. Tasks	Design Tasks	Spikes	Doc.
Aiden Kim	0	0	12	22.5	0	3
Andrew Bond	0	0	10.5	23.5	0	4
Bennett McKeon	0	0	18	24.5	0	8.5

Sprints

Sprint 1

Dates:
4-9-2025 to 4-14-2025

Review:
What went well in the sprint?
The setup and organization of our project are proceeding as planned.

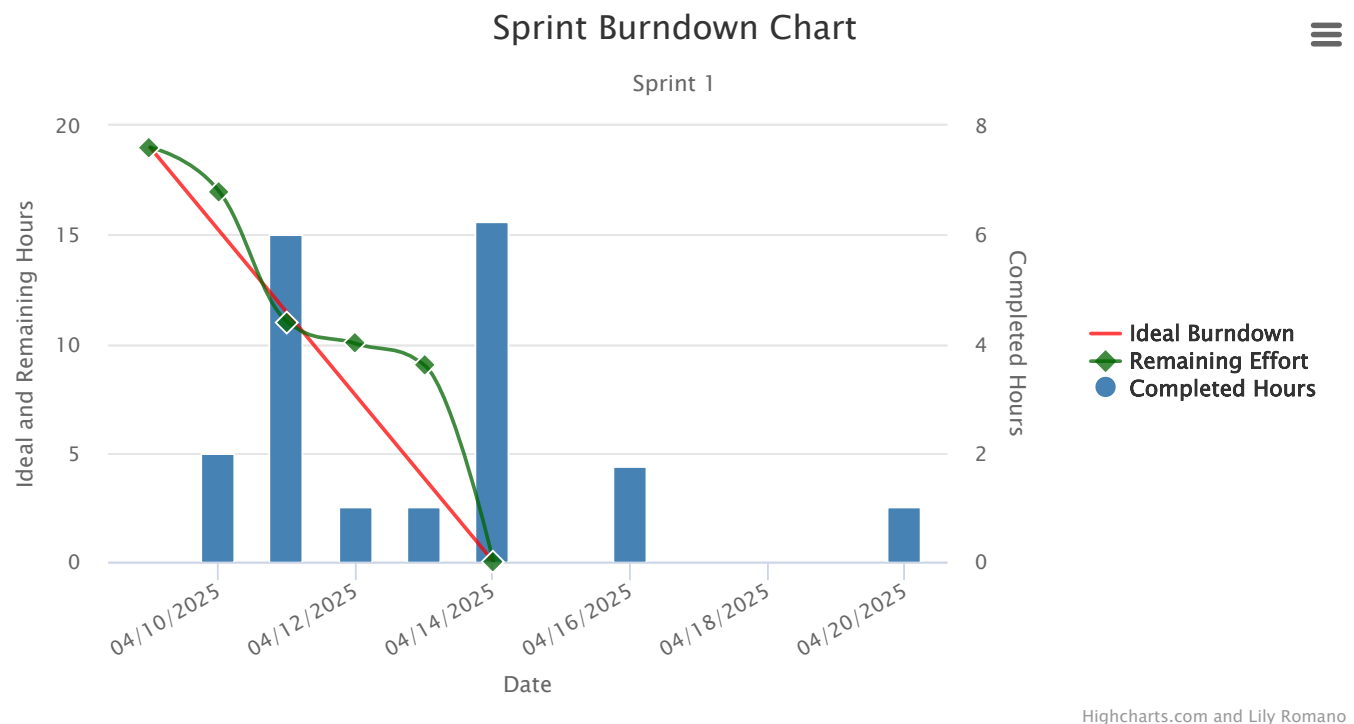
What could be improved?
We need to start working on the actual code. We currently have an outline of what we want to do but have little progress on implementation.

Are you on track? What is your plan if not?

We are a bit behind track at the moment, but we plan on catching up in the next few days.

What will you improve on in the next sprint?

We will improve by staying on top of our work and tracking in AIEcode more efficiently.



Sprint 2

Dates:

4-14-2025 to 4-21-2025

Goal:

The team is focusing on a more research-based approach to understanding the encryption we want to implement in our product. Given that we have 0 knowledge of how it works or how to implement it, this may take us the entire sprint.

Review:

What went well in the sprint?

We learned that encryption might be better to install later on in the development process, so we focused our efforts on more of the fundamental elements of our password manager.

What could be improved?

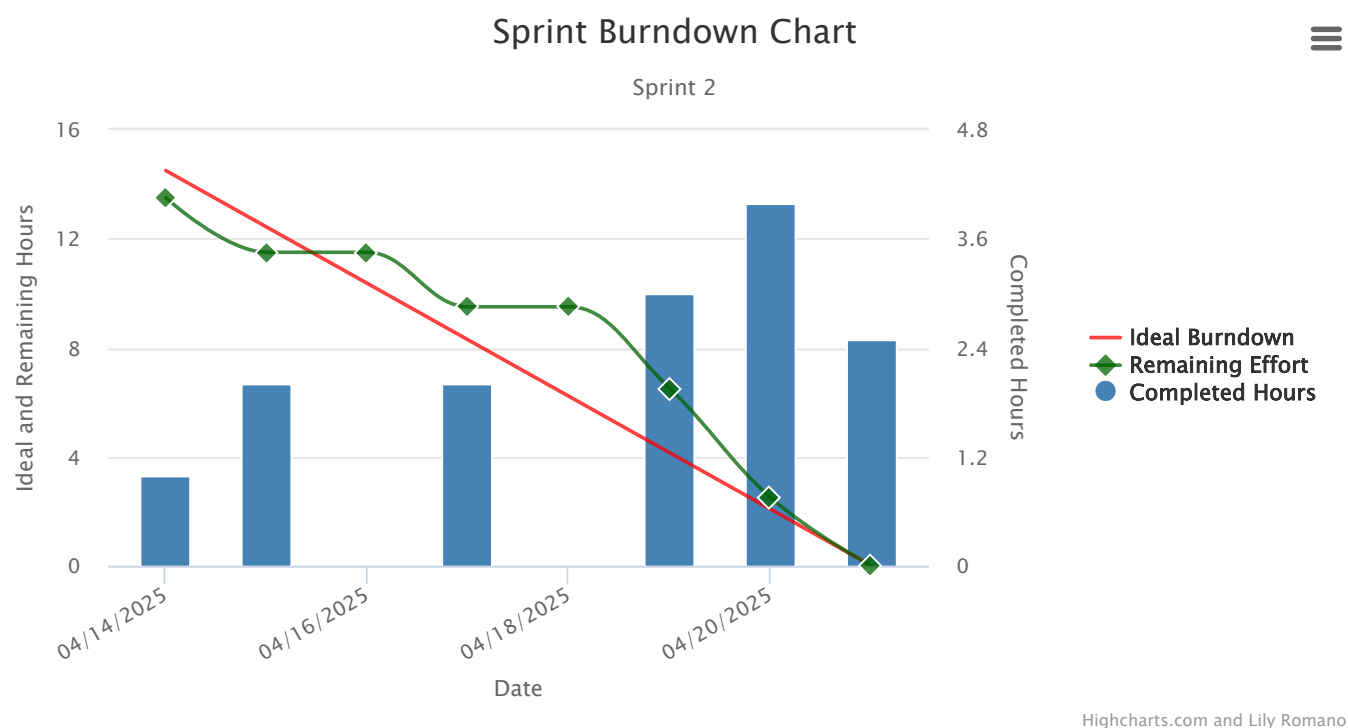
We can improve on our organization in scrum and following a set plan.

Are you on track? What is your plan if not?

No, we are a little behind due to our encryption implementation being pushed back to this upcoming sprint. Our plan is to finish the rest of the project and implement encryption right before UI.

What will you improve on in the next sprint?

We will improve on team organization and following the scrum process overall.



Sprint 3

Dates:

4-21-2025 to 4-28-2025

Goal:

Finish implementing the main features for our password manager. Our goal is to wrap this up and focus next sprint on UI and testing features.

Review:

What went well in the sprint?

We complete all the fundamental parts of our project.

What could be improved?

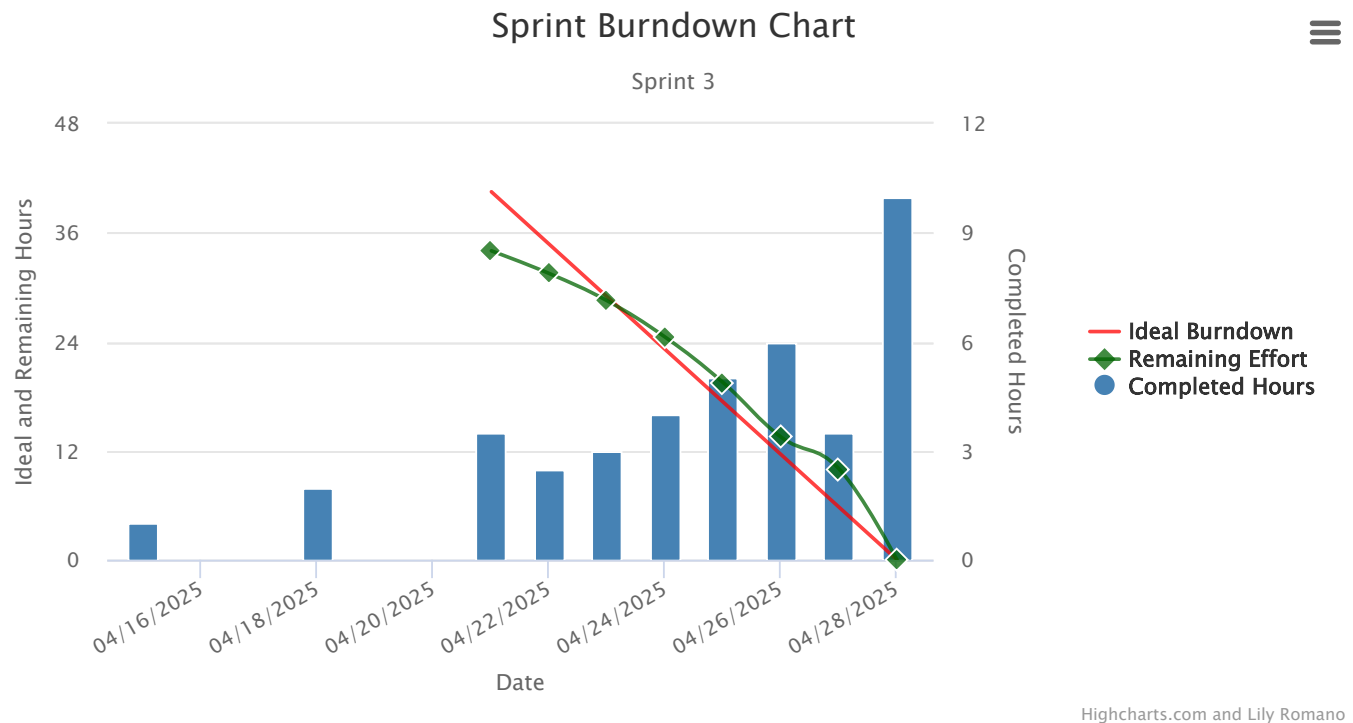
Our productivity can be improved as we close the project. Multiple attempts at encryption made some portions of the project take longer than expected.

Are you on track? What is your plan if not?

Yes, we are on track

What will you improve on in the next sprint?

We will improve upon our productivity as we implement UI and finish our project



Sprint 4

Dates:

4-28-2025 to 5-5-2025

Goal:

We need to finish JavaFX and the presentation. Overall completion of the project.

Review:

What went well in the sprint?

We completed the project and completed most of our intended features. JavaFX was done very well.

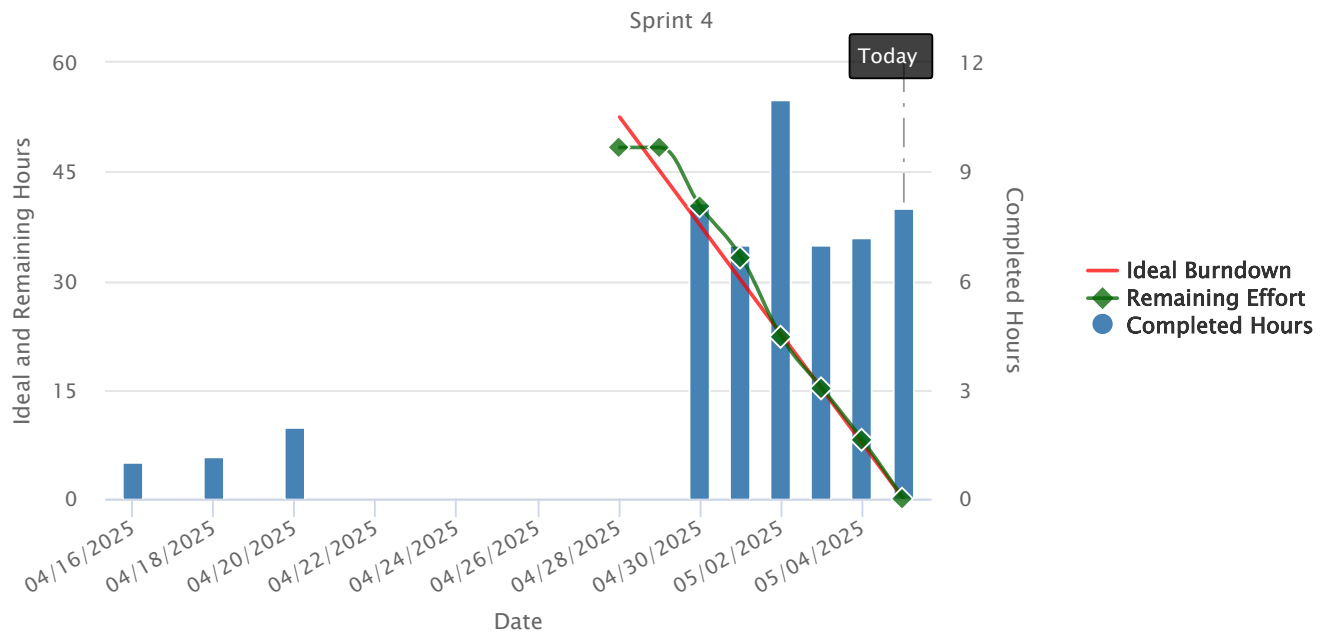
What could be improved?

We did not have much time to error-check our FX designs. We did some testing, but there might be some small errors.

If you were to continue the project, what would you improve on in the next sprint?

We would have developed two-factor authentication and create a database/server to hold our information instead of locally storing data.

Sprint Burndown Chart



Personas



Sarah Guillot

Quote

I need a password manager that's secure but doesn't slow me down. I can't remember all these different passwords anymore.

Narrative

Sarah prefers efficiency and security equally. Being pressured to create complex passwords for every account is stressful for her. Sarah's



Lebron James

Quote

I need to keep track of my kids' passwords for school accounts and apps while teaching them.

Narrative

Lebron juggles managing digital access for children of different ages. He needs family sharing features with appropriate controls. Lebron values educational

favorite applications are those where she can quickly access what she needs across all her devices without compromising on security.

components that help him teach password safety to his kids and notification features that alert her to potential issues.



Marcus Smart

Quote

I need to know exactly how my passwords are being stored and encrypted. I won't use anything that might compromise my security.

Narrative

Marcus prefers finding all the security features of an application at their own pace. Being pressured to use simplified interfaces is not something Marcus enjoys. Marcus's favorite applications are where they have to piece together advanced configurations from various settings before trusting their sensitive data to the system.

Search:

Showing 1 to 50 of 50 entries

Title	Type	Est.	Spent
Opened (1)		4 h	4 h
Sprint 1 (1)		4 h	4 h
Remove password	Technical Task	4 h	4 h
Closed (20)		122 h, 30 m	122 h, 30 m
Sprint 1 (5)		15 h	15 h
Add password	Technical Task	2 h	2 h
code password storage feature	Technical Task	1 h	1 h
crc cards	Design Need	3 h	3 h
Set up git repository and AIE code	Design Need	6 h	6 h
UML	Design Need	3 h	3 h
Sprint 2 (3)		14 h, 30 m	14 h, 30 m
Create password manager class	Technical Task	5 h	5 h
Generate password	Technical Task	2 h, 30 m	2 h, 30 m
Research Encryption	Design Need	7 h	7 h
Sprint 3 (7)		40 h, 30 m	40 h, 30 m
Authentication System	Design Need	2 h	2 h
Changing password manager to accommodate new methods	Design Need	4 h	4 h
Encryption Research	Design Need	11 h, 30 m	11 h, 30 m
Implement Encryption into already existing methods/classes	Design Need	6 h	6 h
Javadocs	Documentation	5 h	5 h
PasswordHealthAnalyzer Class	Design Need	4 h	4 h
Test Cases on all required methods this sprint	Technical Task	8 h	8 h
Sprint 4 (5)		52 h, 30 m	52 h, 30 m
Javadocs	Documentation	5 h, 30 m	5 h, 30 m
javafx	Design Need	15 h, 30 m	15 h, 30 m

[illegible]

Title	Type	Est.	Spent
Javadocs	Documentation	0	0
Javadocs	Documentation	0	0
Javadocs	Documentation	0	0
Javadocs	Documentation	0	0
Javadocs	Documentation	0	0
Javadocs	Documentation	0	0
Javadocs	Documentation	0	0

Daily Scrum

Daily Scrum Notes