

# Hooli XYZ

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## Sprint 4 Report

**Sprint Period:** 02/05/2016 – 17/05/2016

### Members:

Connor Beardsmore – 15504319  
Brendan Lally – 18407220  
Adam Brown – 18338993  
Jordan Chou – 18348691  
Edward Lim - 18339145

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# 1. Sprint Planning

## User Stories:

The following user stories were selected for completion in Sprint 4.

Number:	User Story:	Area:	Effort Points:
1	As an Admin, I want an Admin Tag so that other Users can see my account as an Admin.	Admin	1
2	As a User, I want to add images to my submission so that I can add relevant images to my submission.	Posting Submission	3
3	As a User, I want to add videos to my submission so that I can add relevant videos to my submission.	Posting Submission	3
4	As a User, I want to only vote once for a submission, so that voting is fair and equal for all users.	Voting	8
5	As a User, I want to un-vote on submissions so that I can change my mind on voting.	Voting	5
6	As a User, I want to up-vote on improvements so that I can support improvements I like.	Voting	3
7	As a User, I want to down-vote on improvements so that I can acknowledge improvements I dislike.	Voting	3
8	As a User, I want other users to see my level when I post so that I can show off my level when posting.	Rewards	3
9	As a User, I want to gain levels based on points so that I am rewarded for utilizing the platform.	Rewards	5
10	As a User, I want to gain points when my submission receives votes so that I am rewarded for good work.	Rewards	1

11	As a User, I want gain points for posting submissions so that I am encouraged to post again.	Rewards	1
12	As a User, I want gain points for posting improvements so that I am encouraged to post again.	Rewards	1
13	As a User, I want to gain points for voting on submissions so that I am encouraged to vote again.	Rewards	1
14	Final Release	Final Release	1

## Sprint Goal:

The overall goal of Sprint 4 is to meet the final release and finish all remaining user stories. We aim to finish implementing the voting system in addition to both starting and finishing the entire rewards system. The inclusion of both images and videos to submissions also needs to be completed. By the end of Sprint 4, we aim to have a fully implemented and polished final product to release to the product owner.

## Task Breakdown:

The user stories for the sprint were broken down into simpler high-level task units. These tasks must be finished before the user stories can be reviewed, accepted and completed:

- Modify user model to store points
- Implement tags for users to display levels
- Implement leveling system in python backend
- Modify submission/comment/improvement forms to modify points
- Alter templates to involve showing user points and levels
- Modify voting model to delete vote when user un-votes
- Add links field to Submission form
- Add links to HTML template for submission view

## Task Distribution:

Members:	Area of Focus:
Connor, Jordan	Voting System
Jordan, Adam	Rewards System
Brendan, Edward	Posting Submission (Images/Videos). Admin Tag.

## Effort Estimation:

Once the initial voting and rewards systems have been fully implemented, the majority of related user stories are relatively simple tasks. Thus, stories (4) and (5) are fairly time-consuming, while all other stories take substantially less effort. As most of the user stories are easily implemented, we hope to also put appropriate effort into cleaning up the UI and enhancing the overall "feel" of the platform.

## 2. SCRUM Meeting

**Meeting #1:** 02/05/16

Members:	Completed	Uncompleted	Issues
Connor, Jordan	-	(4) (5) (6) (7)	-
Jordan, Adam	-	(8) (9) (10) (11) (12) (13)	May spread workload over other team members, depending how work progresses this week.
Brendan, Edward	-	(1) (2) (3)	-

**Meeting #2:** 9/05/16

Members:	Completed	Uncompleted	Issues
Connor, Jordan	(6) (7) (4)	(5)	Will require some additional modifications to the backend model storing the votes
Jordan, Adam	(8) (9) (10) (11) (12) (13)	-	-
Brendan, Edward	(1)	(2) (3)	Implemented functionality, only UI modifications required

## Meeting #3: 16/05/16

Members:	Completed	Uncompleted	Issues
Connor, Jordan	(4) (5) (6) (7)	-	-
Jordan, Adam	(8) (9) (10) (11) (12) (13)	-	Cleaned up the UI and implemented the background of the base HTML template
Brendan, Edward	(1) (2) (3)	-	-

**Early Finish:**

Similarly, to Sprint 3, all user stories were completed with time to spare in this Sprint. Thus, time was utilized in the final week to perform additional work on the platform. A vast amount of the backend source code was extensively documented and cleaned up to help improve the possibility of future extension. The UI of the platform was also heavily modified, producing a well-worked and polished final product.

## 3. Sprint Review

### Completed User Stories:

- As an Admin, I want an Admin Tag so that other Users can see my account as an Admin.
- As a User, I want gain points for posting submissions so that I am encouraged to post again.
- As a User, I want gain points for posting improvements so that I am encouraged to post again.
- As a User, I want to up-vote on improvements so that I can support improvements I like.
- As a User, I want to down-vote on improvements so that I can acknowledge improvements I dislike.
- As a User, I want to add images to my submission so that I can add relevant images to my submission.
- As a User, I want to add videos to my submission so that I can add relevant videos to my submission.
- As a User, I want to only vote once for a submission, so that voting is fair and equal for all users.
- As a User, I want other users to see my level when I post so that I can show off my level when posting.
- As a User, I want to gain levels based on points so that I am rewarded for utilizing the platform.
- As a User, I want to gain points when my submission receives votes so that I am rewarded for good work.
- As a User, I want to gain points for voting on submissions so that I am encouraged to vote again.
- As a User, I want to un-vote on submissions so that I can change my mind on voting.
- Final Release

### Unfinished User Stories:

There were no user stories left unfinished at the conclusion of this Sprint period.

### Review Data:

- Total Stories: 46
- Completed: 46
- Uncompleted: 0
- Total Progress: 100%

### Review Data:

The statistics and data within the figures below were produced via the Pivotal Tracker software utilized by the team. They illustrate the progress throughout the current iteration and progress towards the final release.



Figure 1: Iteration Burnup - Points and Stories



Figure 2: Points Accepted

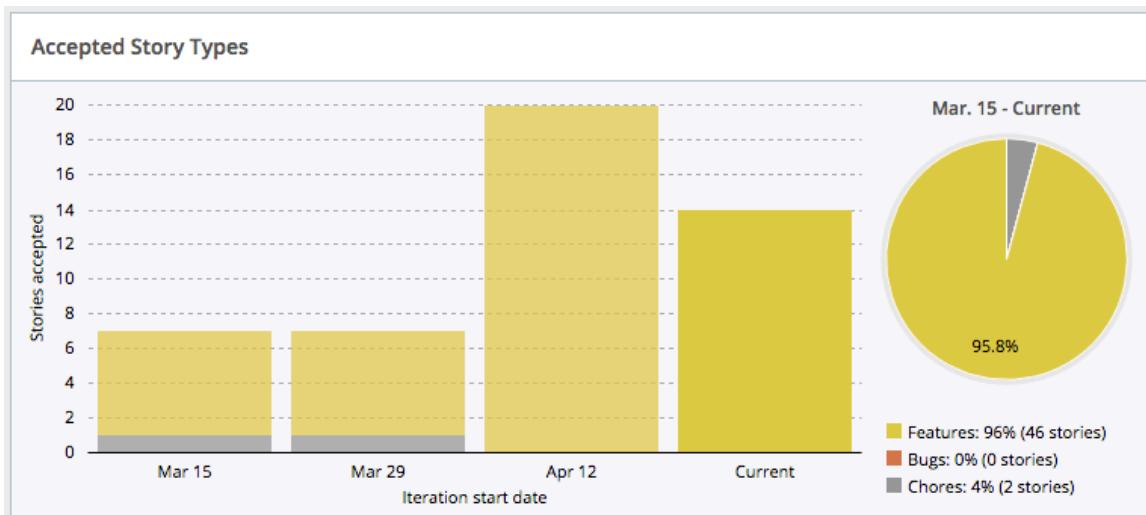


Figure 3: Accepted Story Types

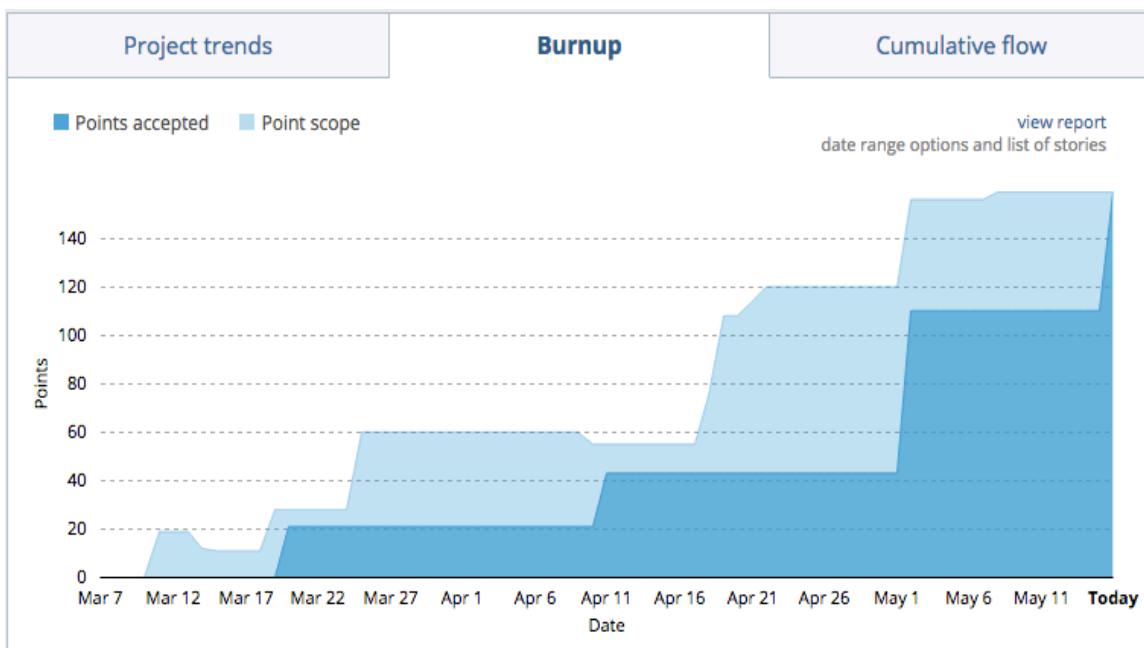


Figure 4: Overall Burnup

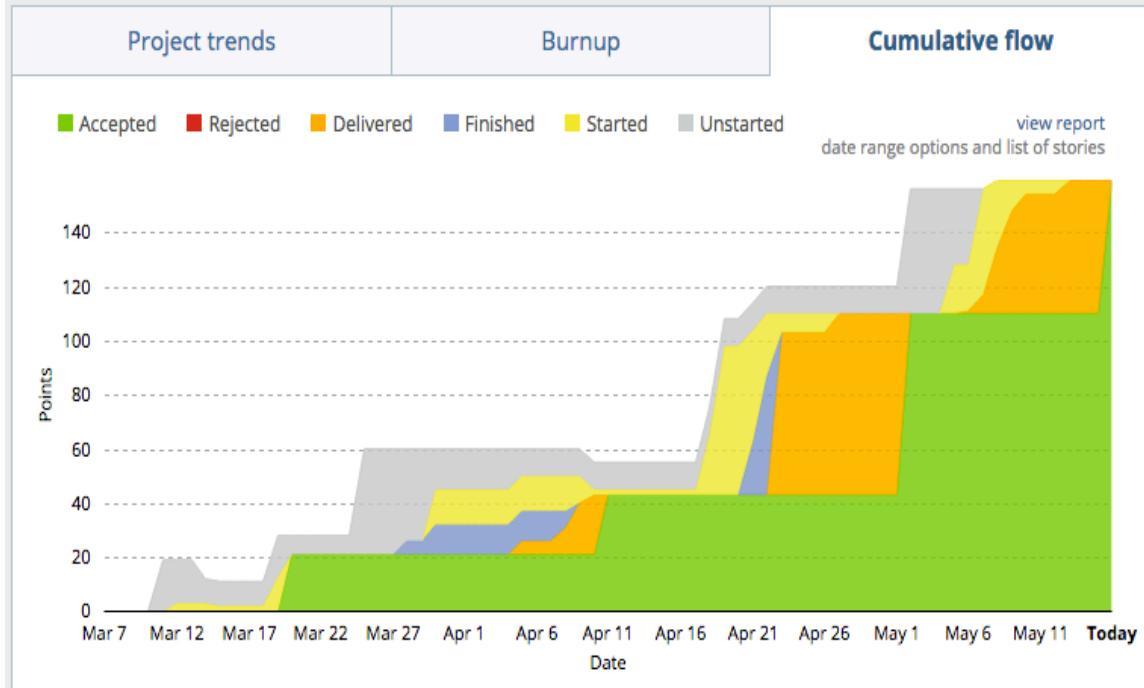


Figure 5: Cumulative Flow Chart

## 4. Sprint Retrospective

### Sprint Ratings

- Communication: 8/10
- Performance: 8/10
- Work Ethic: 8/10

### What went well?

The final Sprint was equally as successful as Sprint 3 in numerous aspects. In Sprint 3 we aimed to keep productivity levels high and this was achieved with all user stories being completed earlier than expected. Our source code was also extensively documented and the UI had a major overhaul. Team meetings continued as per normal and despite a busy period, all members contributed strongly during the sprint.

### We want to keep doing:

Despite this being the final sprint of the project, the team aims to work on the following minor aspects for any future projects. In future projects, we aspire to uphold a high level of communication and productivity as was achieved in this project. This was linked to the strong work ethic shown by all team members and we hope this work ethic follows us through into future work.

### What did not go well?

There was very little that did not go well during Sprint 4 as the team performed strongly. The work ethic and communication dropped slightly in the second last week of the sprint due to us having finished the bulk of the work and the website essentially finished in terms of functionality. The website however, was not polished enough that it could be considered finished for a release. This issue was corrected after an informal meeting and in the last week of the sprint we maintained the productivity and work ethic we had during the first week of the sprint and were able to polish much of the project and officially finish it.

## We want to start:

Although we had regular sprint meetings during the semester during the final sprint we had a “final review” type meeting. This differed from the review meetings that we otherwise had during the semester as during this meeting we went over all aspects of the type, not just the functionality concerned with the sprint’s user stories. By doing this review we were able to see flaws in aspects such as usability and readability that we otherwise would not have seen. Even though this is the last sprint we hope to incorporate this type of meeting into future projects as we believe that doing so would increase the quality of the final product greatly.

## Appendix B: Screenshots of Functionality

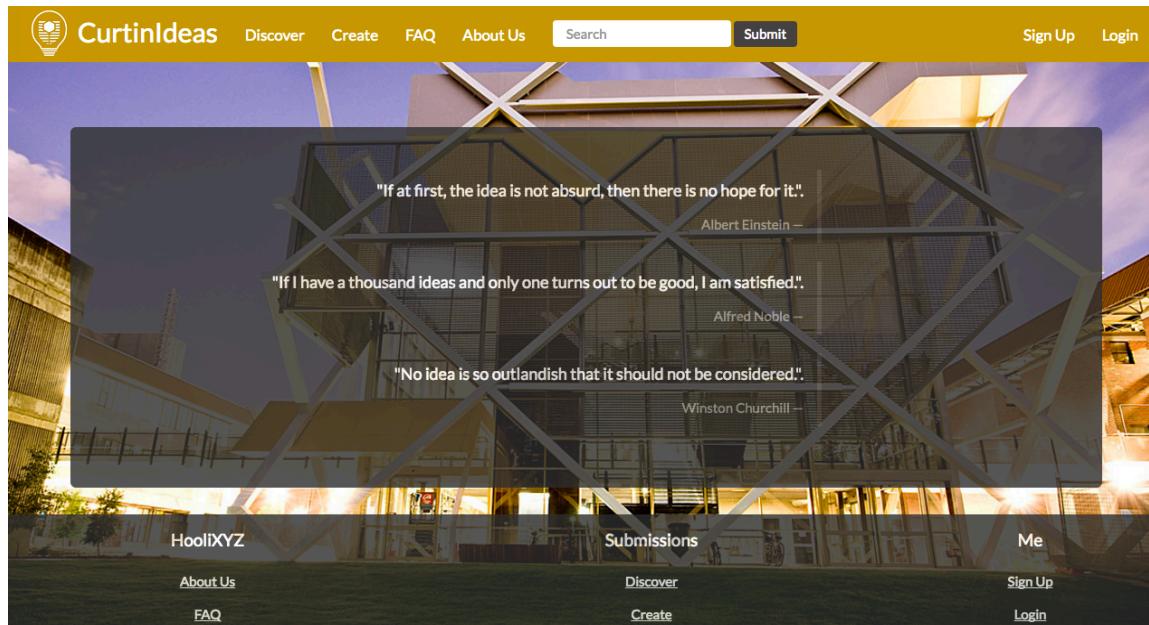


Figure 6: Home Page

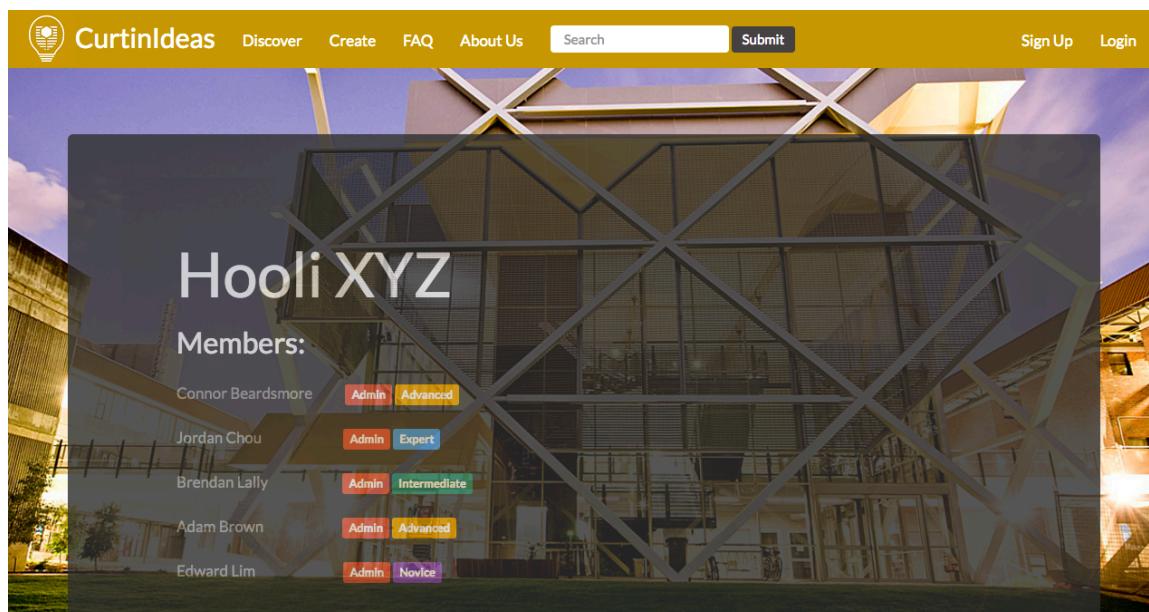


Figure 7: About Us

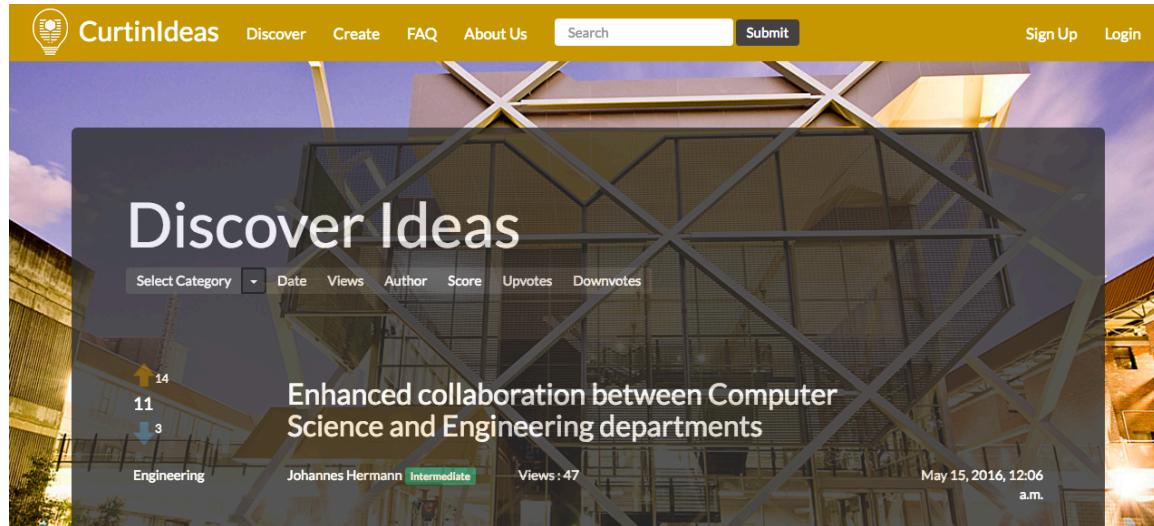


Figure 8: Discover Page

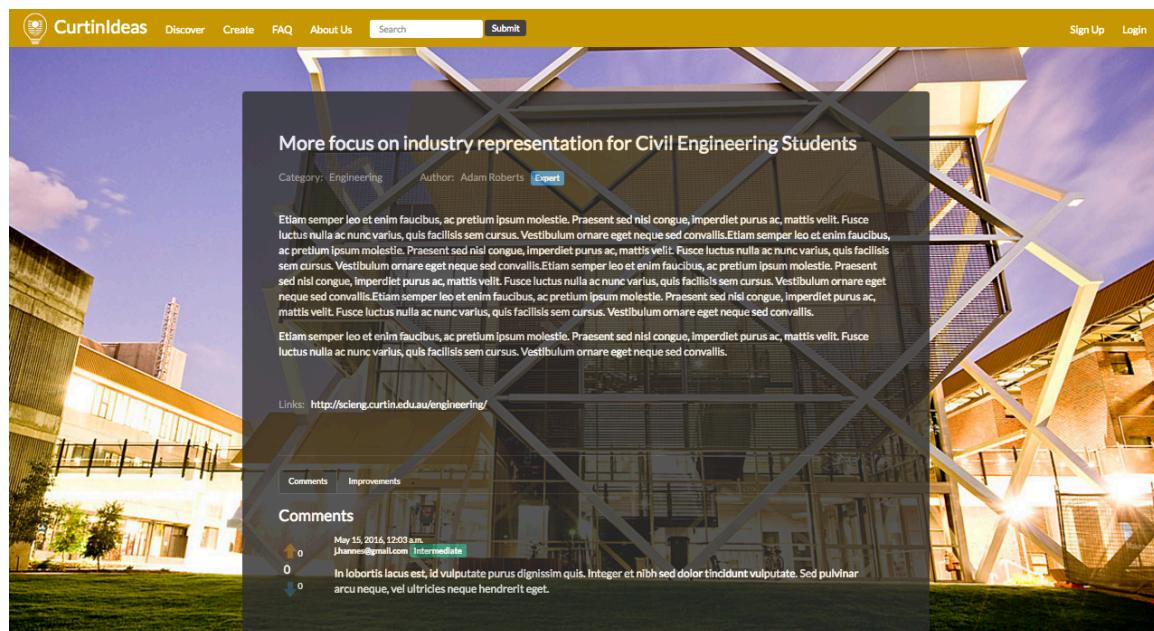


Figure 9: Submission View

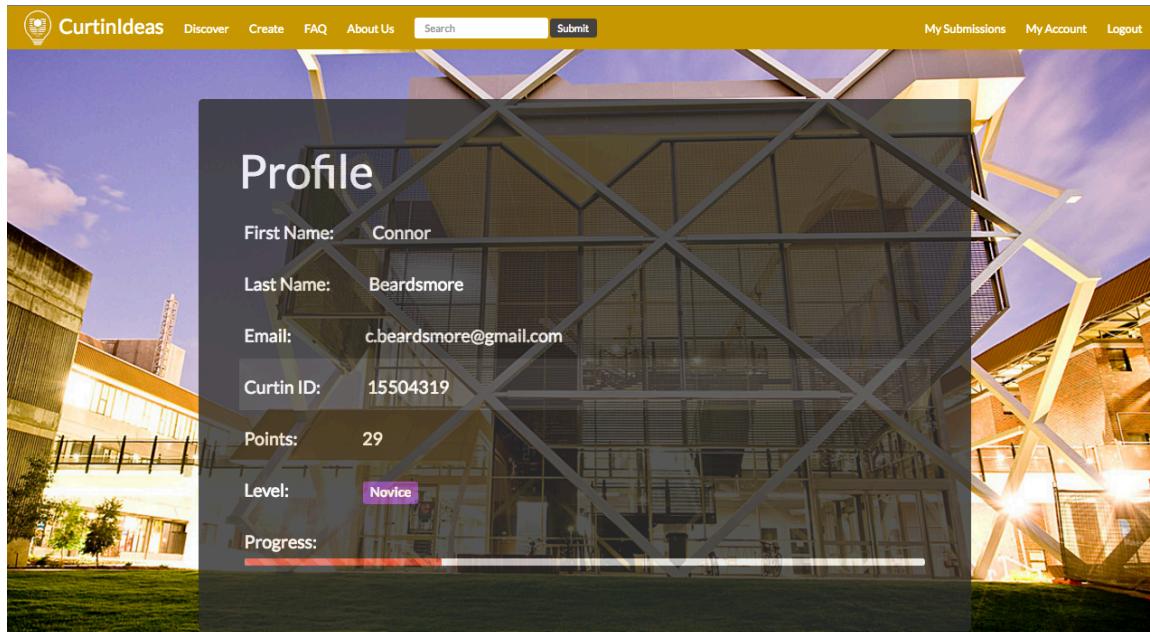


Figure 10: User Profile

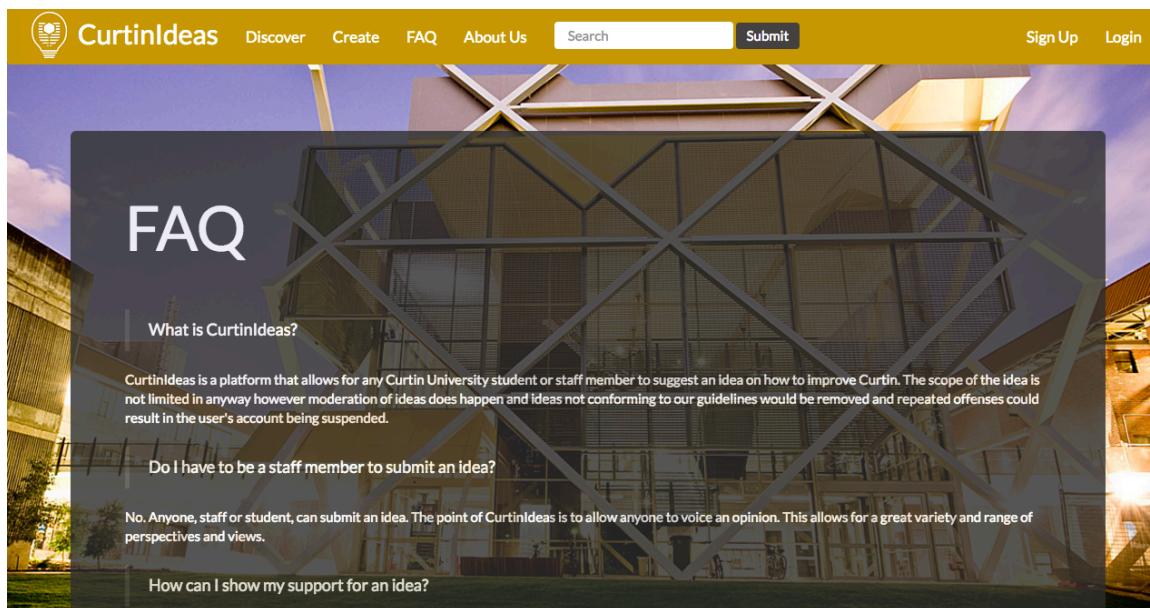


Figure 11 FAQ Page