



Sprint 2 Planning Document

CS307 - Team 23

Arshpreet Singh
Kaushik Ramachandran
Luciano Handal Baracatt
Pratyaksh Motwani
Sadiq Ahmed A Albinalshaikh

Sprint Overview

For Sprint 2, the team aims to finalize the reviewing, searching, filtering and sorting part of our design. First, the team intends to work sort review chronologically and using upvotes and downvotes. Then, the team would work filtering review by tags and professors. This would enable the users to look up reviews for classes with a particular professor and help them decide between professors. Then, we plan to enhance our reviewing page by adding the final features such as when the reviewer took the course, their grade, tags etc. And Finally, we would be implementing our search functionality. With all these functionalities working, we would be able to expand our application to a mobile application and add additional features such as search auto completion and the contacts page for Sprint 3.

SCRUM master: Sadiq Ahmed A Albinalshaikh

Meeting Schedule: Mondays at 2:30pm - 4:30pm. Additional meetings are planned as needed.

Risks and Challenges

Some of the primary obstacles we will face this sprint is handling sorting of reviews and filtering reviews using specific parameters. This will require us to build an efficient way to tag posts with criterion and store them in an accessible manner in our database. Another major hurdle we as a team must look into is handling posting on a page and allowing users to delete their posts. This will be especially challenging as there could be certain reviews on the page that don't abide by the given guidelines and we must implement a system to report inappropriate reviews.

Current Sprint Details

User Story #1

As a user, I would like to sort reviews chronologically.

	Task	Estimated time	Owner
1	Create an interface for users to sort reviews up to their choice	3 hrs	Luciano
2	Give an ID and timestamp to every review	4 hrs	Sadiq
3	Sort the reviews chronologically	4 hrs	Pratyaksh
4	Refreshing the page will reset the sorting to the default ascending chronological order	3 hrs	Sadiq
5	Test for correctness and robustness	2 hrs	Kaushik

Acceptance Criteria:

1. Sorting user interface should be easy and intuitive for the user, allowing him or her to choose any chronological sorting order, ascending or descending.
2. When a user chooses either an ascending or descending chronological sort, the reviews should be sorted correctly and displayed on the course page to the user.
3. Users should not be able to manipulate timestamp or review id, intentionally or by accident.

User Story #2

As a user, I would like to sort reviews based on their upvotes.

	Task	Estimated time	Owner
1	Collect the upvotes of each respective review from the rendered page	4 hrs	Sadiq
3	Sort reviews by upvotes	2 hrs	Luciano
4	Give the ability to choose sorting in ascending or descending order	2 hrs	Kaushik
5	Debug and test implementations using manual testing	3 hrs	Kaushik

Acceptance Criteria:

1. Sorting by upvotes user interface should be easy and intuitive for the user, allowing him or her to choose sorting the reviews by upvotes either in ascending or descending order.
2. When a user chooses either an ascending or descending upvote sort, the reviews should be sorted correctly and displayed on the course page to the user.
3. After the reviews get sorted, if the user upvotes or undo their upvote to a specific review the reviews should be resorted and displayed correctly.

User Story #3

As a user, I would like to filter specific course reviews by professors teaching the course.

	Task	Estimated time	Owner
1	Create a filtering interface for users with a choice to select the professors	4 hrs	Sadiq
2	Only show the professors that were selected for the current reviews of a course	2 hrs	Kaushik
3	Filter the reviews according the professor choice	2 hrs	Kaushik
4	Debug and test implementations using manual testing	3 hrs	Kaushik

Acceptance Criteria:

1. Filtering by professor user interface should be easy and intuitive for the user, allowing him or her to select a professor easily.
2. The filtering professor list should reflect only the professors mentioned on the reviews.
3. When a user chooses a specific professor for filtering, the course page should display the reviews with the correct chosen professor.

User Story #4

As a user, I would like to filter specific course reviews by tags.

	Task	Estimated time	Owner
1	Allow users to choose tags from the filtering user interface	4 hrs	Sadiq
2	Only show the tags that were selected for the current reviews of a course	2 hrs	Kaushik
3	Filter the reviews by tags	2 hrs	Kaushik
4	Debug and test implementations using manual testing	3 hrs	Kaushik

Acceptance Criteria:

1. Filtering by tags user interface should be easy and intuitive for the user, allowing him or her to select one or more tags.
2. The filtering tag list should reflect only the tags mentioned on the reviews.
3. When a user chooses one or more tags for filtering, the course page should display the reviews with the correct chosen tags.

User Story #5

As a user, I would like to know when the reviewer took the course.

	Task	Estimated time	Owner
1	Add a field for the reviewers to add when they took the class and store it in the database	4 hrs	Luciano, Arshpreet
2	Encourage but not obligate the reviewer to disclose the semester they took the course	2 hrs	Luciano, Arshpreet
3	Display the semester in which the reviewer took the class in the review	4 hrs	Luciano, Arshpreet
4	Debug and test implementations using manual testing	4 hr	Pratyaksh

Acceptance Criteria:

1. When a user submits a new review, the optional field “semester_taken” should be recorded correctly in the database. If a user did not specific a value, an empty default value will be recorded.
2. A user will only be able to select semesters in the format: season “Fall/Spring/Summer” and year “19XX-20SS” where the XX are between 00-99 and SS between 00-20.
3. Reviews should display when the reviewer took the class in a clear and correct manner in the course page.

User Story #6

As a user, I would like to search for courses by name.

	Task	Estimated time	Owner
1	Implement the necessary code for a working search bar	3 hrs	Luciano
2	Implement a verification process that allow users to type a course's name in different ways e.g. "cS180" - "cs 180"	3 hrs	Arshpreet
3	Create a page not found error page	2 hrs	Arshpreet
4	Debug and test implementations using manual testing	4 hrs	Pratyaksh

Acceptance Criteria:

1. The search bar should send the users to the correct course page. If the page did not exist, the web application should not crash and instead show a page not found error page.
2. Users should be able to get to a page regardless of how they type the class name (uppercase, lowercase, space in between, etc)
3. Users should be able to access one class from another and do not need to go back to the homepage. (A search bar should be included and working properly on the course page)

User Story #7

As a user, I would like to have suggestions while typing in the search bar.

	Task	Estimated time	Owner
1	Implement a way to retrieve the course list in the front end	2 hrs	Arshpreet
2	Create a dynamic auto-complete when the user is typing a part of course ID on the search bar	2 hrs	Luciano
3	Auto-complete suggest courses with the number of reviews it have	4 hrs	Pratyaksh
4	Debug and test implementations using manual testing	5 hrs	Kaushik

Acceptance Criteria:

1. Courses should be suggested by autocompleting what the user is typing
2. Suggested courses should also display the number of reviews next to it.
3. Autocomplete should alert the user if there is no course to autocomplete the input (the course has a typo or does not exist)
4. The autocomplete should have certain fault tolerance of how the user types the name like extra spaces.

User Story #8

As a user, I would like to easily post a review for a course.

	Task	Estimated time	Owner
1	Create a form with the required fields for a review	5 hrs	Luciano
2	Allow users to give more optional details like attendance requirement, textbook, grade, etc	3 hrs	Arshpreet
3	Allow users to post reviews with no comments, but those reviews will not be displayed on the course page.	3 hrs	Kaushik
5	Debug and test implementations using manual testing	1 hrs	Pratyaksh

Acceptance Criteria:

1. The new review user interface should be easy and intuitive for the user.
2. When the user tries to post a review, he or she must have filled the minimum required fields like professor name, rating, etc.
3. When a user submits an empty review with only a professor and a rating, we count them as Rating-only reviews that should only affect the overall course rating without rendering them on the reviews box.
4. A user should not be able to post reviews twice.

User Story #9

As a user, I would like to delete my post.

	Task	Estimated time	Owner
1	Remove the post from the database	5 hrs	Sadiq
2	Create a button on the post to delete it.	2 hrs	Arshpreet
3	Allow only logged in users to delete their posts	2 hrs	Sadiq
4	Debug and test implementations using manual testing	1 hrs	Kaushik

Acceptance Criteria:

1. The database should reflect the deletion of a post when the user chooses to delete their post.
2. Users should only be allowed to see the delete button on their own posts.
3. The delete button should only be visible (and working) when the user is in session (logged in)

User Story #10

As a user, I would like to report inappropriate reviews.

	Task	Estimated time	Owner
1	Create a button on the posts using which the user can report any post he/she finds inappropriate	9 hrs	Luciano, Arshpreet, Sadiq
2	Create an HTML page for reporting the review and writing comments about what the user found inappropriate	9 hrs	Luciano, Arshpreet, Sadiq
3	Implement the functionality using which the user can send his/her comments to us directly to the database	6 hrs	Kaushik, Pratyaksh
4	Debug and test implementations using manual testing	4 hrs	Kaushik, Pratyaksh

Acceptance Criteria:

1. Users should only be allowed to report the reviews when they are logged in.
2. Users should be redirected to the report page linked to the specific review when they click on the report button.
3. When the user reports a post, the report should be recorded in the database and the “report_count” for that specific post should be incremented as well.

User Story #11

As a user, I would like to upvote/downvote reviews.

	Task	Estimated time	Owner
1	Create the upvotes and downvotes buttons on every post	2 hrs	Luciano, Arshpreet
2	Check if the user is logged in to upvote or downvote	2 hrs	Pratyaksh
3	Increment/decrement the count based on what the user clicks	6 hrs	Pratyaksh, Kaushik
4	Update the count on the database	2 hrs	Sadiq
5	Debug and test implementations using manual testing	12 hrs	Sadiq, Pratyaksh, Kaushik

Acceptance Criteria:

1. Users should only be allowed to upvote/downvote the reviews when they are logged in.
2. Users should be allowed to upvote or downvote only once to a specific post.
3. Users should be allowed to undo/redo their upvote or downvote.
4. When the user upvotes or downvotes, the count should be incremented in the database.

User Story #12

As a user, I would like to reach the reviewer to ask him or her follow-up questions.

	Task	Estimated time	Owner
1	Create a contact button to reach out to the reviewer on every post	4 hrs	Luciano
2	Create a HTML contact page for the user to send type any follow-up questions	8 hrs	Arshpreet, Sadiq
3	Send the follow-up questions to the concerned reviewer via email	6 hrs	Pratyaksh
4	Debug and test implementations using manual testing	4 hrs	Arshpreet, Sadiq

Acceptance Criteria:

1. Users should only be allowed to reach out to reviewers when they are logged in.
2. Users should be redirected to the contact page linked to the specific review, when they click on the contact button.
3. Once the user sends his/her message from the contact page, the respective review author should receive an email containing the user's message.

User Story #13

As a user, I would like to know what grade the reviewer got.

	Task	Estimated time	Owner
1	Create a dropdown to select the grade on the new review page	2 hrs	Luciano, Arshpreet
2	Every review shows the grade or “prefer not to mention”	4 hrs	Luciano
3	Store the grade of the reviewer in the backend	2 hrs	Luciano
5	Debug and test implementations using manual testing	4 hrs	Luciano

Acceptance Criteria:

1. When the user tries to post a review, he/she should be able to select their grade from the dropdown. If user does not want to mention their grade, they should be able to select a “Prefer not to mention” option.
2. The users should be able to see the grades on every review.
3. When the user posts a review with his/her grade, the grade should be stored in the database linked to the course and the reviewer appropriately.

User Story #14

As a user, I would like to tag my reviews.

	Task	Estimated time	Owner
1	Allow the user to choose multiple tags with the review	2 hrs	Arshpreet
2	Store the chosen tags in the posts database	4 hrs	Arshpreet
3	Display the chosen tags with the review	4 hrs	Arshpreet
4	Debug and test implementations using manual testing	1 hr	Luciano, Arshpreet

Acceptance Criteria:

1. Users should be allowed to select one or more predefined tags while posting their review.
2. Users should be able to see the selected tags on the reviews on the course page.
3. When a user posts a review with some tags, the review should be recorded correctly in the database with the field “tags.”

User Story #15

As a user, I would like to be prompted to login when I attempt to post, upvote/downvote, or report.

	Task	Estimated time	Owner
1	Create a pop up using which the users can log in	2 hrs	Arshpreet
2	Display the pop up if an non logged in user tries to post/report/upvote/downvote	2 hrs	Arshpreet
3	Make the user log in without redirecting him/her to any other page	2 hrs	Arshpreet
4	Debug and test implementations using manual testing	1 hr	Luciano, Ashpreet

Acceptance Criteria:

1. If a non logged in user tries to post, upvote/downvote, or report a review, he/she should receive a pop up using which they could log in.
2. If the user is not signed up, there should be a link to signup inside the pop up which redirects the user to the sign up page.
3. The users should be able to log in from the pop up (considering they already have an account) without getting redirected to any other page.

Remaining Backlog

Functional Requirements

- ~~1. As a user, I would like to have an easy navigitable user interface throughout the website.~~
- ~~2. As a user, I would like to log in from any webpage in *easyA*.~~
- ~~3. As a user, I would like to log out from any webpage in *easyA*.~~
4. As a user, I would like to easily access *easyA* on my phone or tablet.
- ~~5. As a user, I would like to sort reviews chronologically.~~
- ~~6. As a user, I would like to sort reviews based on their upvotes.~~
- ~~7. As a user, I would like to filter specific course reviews by professors teaching the course.~~
- ~~8. As a user, I would like to filter specific course reviews by tags.~~
9. As a user, I would like to filter a specific professor reviews by course.
- ~~10. As a user, I would like to search for courses by name.~~
- ~~11. As a user, I would like to have suggestions while typing in the search bar.~~
12. As a user, I would like to have an auto-complete dropdown menu for choosing the professor I am reviewing.
- ~~13. As a user, I would like to easily post a review for a course.~~
- ~~14. As a user, I would like to delete my post.~~
- ~~15. As a user, I would like to report inappropriate reviews.~~
- ~~16. As a user, I would like to upvote/downvote reviews.~~
- ~~17. As a user, I would like to reach the reviewer to ask him or her follow-up questions.~~
18. As a user, I would like to be redirected to the professor's rating from RateMyProfessor.com after clicking on the professor's name in a review post.
- ~~19. As a user, I would like to know when the reviewer took the course.~~
- ~~20. As a user, I would like to know what grade the reviewer got.~~
- ~~21. As a user, I would like to tag my reviews.~~
- ~~22. As a user, I would like to sign up for an *easyA* account.~~
- ~~23. As a user, I would like to log in to my account.~~
- ~~24. As a user, I would like to log out from my account.~~
- ~~25. As a user, I would like to change my password after logging in.~~
- ~~26. As a user, I would like to have an account menu for changing my password and logging out.~~
- ~~27. As a user, I would like to know that I am signed in or not.~~
- ~~28. As a user, I would like to reset my password if I forget it.~~
- ~~29. As a user, I would like to be prompted to login when I attempt to post, upvote/downvote, or report.~~
30. As a user, I would like to access reviews for a course without having to sign up.
31. As a user, I would like to share course or professor reviews through social media.

32. As a user, I would like to use the text-to-speech feature to read reviews aloud.
33. As a user, I would like to translate non-English reviews to English.
- ~~34. As a user, I would like to see a course rating in the course review page.~~
- ~~35. As a user, I would like to see a course description in the course review page.~~
- ~~36. As a user, I would like to know that all reviews are from Purdue students.~~
37. As a user, I would like to know that my information will be secure.
38. As a user, I would like my identity to be protected from the readers.
39. As a user, I would like to contact the website administrators for any inquiries like a request to add a course or professor to the database.
40. As an administrator, I would like to ban certain users from using the website services.
- ~~41. As an administrator, I would like only Purdue students with "@purdue.edu" emails to be able to sign up.~~
- ~~42. As an administrator, I would like newly signed up users to verify their ownership of their Purdue emails.~~
43. As an administrator, I would like to be able to delete any user's post.
44. As an administrator, I would like to view and take action on reported reviews.
45. As an administrator, I would like to manage the website by extending control over course descriptions, professors and course listings.
46. As an administrator, I would like to be notified by email about any user inquiry.

Non-functional Requirements

1. As a user, I would like to run the website smoothly without any discomfort.
2. As a user, the web pages load fast in less than 2 seconds.
3. As a user, I would like to have a minimalist user interface that serves the purpose.
4. As a user, I would like to be able to interact with the user interface easily.
5. As a user, I would like to navigate the website without getting lost between the pages.
6. As a user, I would like my information to be encrypted from others and administrators 24/7.
7. As a developer, I would like the web application to load 10 course reviews at a time.
8. As a developer, I would like the web application to support 100 user requests simultaneously and upgradeable if needed.
9. As a developer, I would like the web application to be safe from outside attacks 24/7.
10. As a developer, I would like a 5 GB expandable storage space for the web content.
11. As a developer, I would like a 1 GB expandable storage space for the database.
12. As a developer, I would like the web application to support storage enough for 40000 users.
13. As a developer, I would like to be able to easily add upgrades to the web application.
14. As a developer, I would like to work on the website locally through XAMPP.

15. As a developer, I would like to use version control (git) to maintain any changes happen to the web application.
16. As a developer, I would like to host and publicize the website through a public domain and a public server.