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Sprint 2 Planning Document - Team 33
Ludus

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Overview:
In this sprint we would like to focus on the front end of the project, as well as integrating the front end with the backend logic we created for in the first sprint. We would also like to focus on the student side, as we have the functionalities built to create learning paths and classes, but now we need to create the ways to explore and take them.

Scrum master: Alex Brooke

Weekly Scrum Meeting Time:
● Sunday 15:30
● Wednesday 16:30

Risks and Challenges:

To avoid the issues encountered during the last sprint, it is very important to constantly test the whole codebase. There are also a few tasks that must be done before other tasks may be completed. It will be a challenge to get these done fast enough as to avoid causing the others that come after it to push us over our deadline. We also want to make sure to keep thoroughly testing all the pull requests, whilst adding the testing criteria so we can confirm compliance.

Current Sprint Detail:

User stories for this sprint:

1. As a user, I would like to have a mechanism to reset a lost password.

    ● Given that a user has lost their password, there will be a button titled "Lost Password?" that will guide them through the steps needed to reset their password

● Given that a user has clicked the "Lost Password?" button, when the user enters the email associated with their account, they will be sent an email link to allow them to reset their password

#	Task Description	Time Estimate	Assignee
1	Create a "Lost password?" page + corresponding parts on the backend	8 hours	Alex Willis
2	Set up password link emailer + reset page	6 hours	Alex Willis
3	Testing	2 hours	Alex Willis

2. As a student, I would like to be able to track the learning paths (and classes) I have completed.

   ● Given that a student wishes to view their completed learning paths a UI shall exist to show it.

   ● Given that a user has chosen to view their completed learning paths, but wishes to switch to viewing completed classes, they will have the option to switch between viewing completed learning paths and classes

   ● Given that a user wishes to review a completed learning path, when the user clicks on the completed learning path, they will be redirected to the start of the learning path

#	Task Description	Time Estimate	Assignee
1	Completed learning paths UI	5 hours	John Shen
2	Logic that marks the class as completed	3 Hours	Shaural Patel

#		Time Estimate	Assignee
	(Backend)		
3	Logic that marks learning path competed (if all classes taken)	3 Hours	Shaural Patel
3	Testing	4 hours	John Shen

3. As a student, I would like to be able to follow teachers so that I am notified when new material is available.

- Given that a student wishes to follow or unfollow a teacher, there shall be an option to do so
- Given that a student wants to view who they are viewing there shall be an option to do so
- Given that a student wishes to receive notifications on new content, they shall receive them on a certain place.

#	Task Description	Time Estimate	Assignee
1	Add a follow/unfollow button on user profiles	1 Hour	John Shen
2	Add a following list on user profiles	2 Hours	John Shen
3	Create notification backend and connect to notification area	4 Hours	John Shen
4	Logic to add and retrieve teachers following (Backend)	2 Hours	Shaural Patel
5	Logic to unfollow teachers (Backend)	2 Hours	Alex Brooke

6	Testing	3 Hours	John Shen

4. As a student, I would like to be able to rate classes I have already taken.

- Given that a student wishes to rate a class, there will be a "rate class" option that when it is clicked, will allow the student to give a rating from 0-10

- Given that a student has rated a class, the teacher that is in charge of the class will be notified of the rating given, but not the identity of the student who rated it

- Given that a class has been rated at least 5 times, there will be a visible average and median rating statistic for the class

#	Task description	Time estimate	Assignee
1	Implement ratings menu on class pages	2 hours	Alex Brooke
2	Testing	1 hour	Alex Brooke

5. As a student, I would like the learning paths to be organized so that it is clear what class I should take next (recommending the next class in progression to build on top of what you learned).

- Given that a student has completed a class, there shall be a "Next class" selectable suggestion after the class is done

- Given that a user has selected the "Next class" suggestion, the user will be redirected to the next class [where applicable]

- Given that a user has selected a given learning path, but is not currently in a class, there should be an overview of classes. For example, an image that goes "Class 1 -> Class 2 -> Class 3, etc", organized similar to a linked list

#	Task description	Time estimate	Assignee
1	Implement "next.." suggestion for a class	4 hours	Shaural Patel
2	Create learning path class progression overview	4 hours	Shaural Patel
3	testing	2-3 hours	Shaural Patel

6. As a student I would like to be able to search for Learning Paths/Classes by criteria (tags, teachers, topics, class type (visual, auditory,...), etc).
   - Given that a student wishes to search all possible learning paths and classes, there will be a search bar that will allow them to search by certain criteria
   - Given that a user has chosen to search for a learning path by a given criteria, the user will be able to change the criteria as needed [dropdown menu of criteria options]
   - Given that a user has chosen to search leaning paths and classes by a given criteria, all learning paths and classes that are a direct match will show up in the search results

#	Task description	Time estimate	Assignee
1	Search logic for learning paths (based on topics + keywords + Teachers)	6 hours	Shaural Patel
2	Search logic for	4 Hours	Shaural Patel

#	Task description	Time estimate	Assignee
	classes (based on tags + keywords (from LP)		
3	Front end search (for learning paths based on topics) -> Display learning paths	4 Hours	John Shen
4	Front end search (for classes, based on tags + teachers + content type + keywords(name))	4 Hours	Kevin Xue
5	Testing	2 hours	Shaural Patel

7. As a student I would like to be able to bookmark Learning Paths/Classes I wish to take.

- Given that a student wishes to bookmark a class/learning path for later, there shall be a button on the page to do so
- Given that a student clicked the bookmark button, the class/learning path shall be saved under "Bookmarked" in a similar fashion to the bookmarks folder for a web browser
- Given that a student has bookmarked a given number of classes, they will be accessible via a sortable bookmarks menu

#	Task description	Time estimate	Assignee
1	Bookmark button for classes and learning paths	4 hours	Alex Brooke
2	Implement bookmarks menu under student view	8 hours	Alex Brooke

| 3 | Testing | 3 hours | Alex Brooke |

8. As a student I would like to be able to view all my ongoing and/or completed learning paths at once.

- Given that a student wants to view all of the ongoing or completed learning paths, there will be a button on the student view to allow them to do so
- Given that a student has selected the "view all learning paths" button, a page will pop up that lists all of the classes that they are working on.
- Given that a student wishes to review or continue on a learning path [depending on whether it is completed or in progress], each learning path listed will be selectable and clicking on it will redirect the user to the learning path

#	Task description	Time estimate	Assignee
1	Create a page to display all of a user's classes	6 hours	Kevin Xue
2	Backend portion that collects all of a user's classes to send back to the page	4 hours	Alex Willis
3	Testing	3 hours	Alex Brooke

9. As a student I would like to be able to save progress on a Learning Path and resume it later.

- Given that a student would like to view all their learning paths, there will be a UI to display them.

- Given that a student wishes to be able to save progress while working on a learning path a button shall exist for that.
- Given that a student wishes to resume from their last point in a learning path, they shall be able to through the UI.

#	Task Description	Time estimate	Assignee
1	Create owned learning path UI w/h resume functionality	7 hours	John Shen
2	Create save progress button (for student) in student learning path view	4 hours	John Shen
3	Testing	5 hours	John Shen

10. As a teacher I would like to make and publish Learning Paths/Classes.

- Given that I am logged in (into the teacher section), when I click on create a new learning path, I should be able to design a learning path with a series of existing classes in an order I wish for students to take.
- Given that a teacher has designed a learning path, I should be able to save it for later, or publish it (make it publically available).
- Given that a teacher has created a learning path for immediate publishing, when a teacher selects the option to publish a learning path, it should become immediately available to all users.

#	Task Description	Time estimate	Assignee
1	Learning Path	6 Hours	Kevin Xue

	Creation Page		
2	Testing	5 Hours	Kevin Xue

11. As a teacher I would like to be able to remove learning paths I have created.

- Given that a teacher wishes to delete a learning path, there will be an button for each learning path that will allow the teacher to delete it

- Given that a teacher wishes to delete a learning path, the teacher will be required to complete certain steps to prevent accidental/malicious deletion of learning paths

- Given that a teacher has clicked the delete button, the learning path will be deleted, as well as all associated classes, ratings, and references to it from elsewhere on the site

#	Task Description	Time estimate	Assignee
1	Delete learning path (front end option)	4 Hours	Shaural Patel
2	Logic to delete learning path, and unassociate all the classes with it (Backend)	4 Hours	Shaural Patel
3	Testing	2-3 Hours	Shaural Patel

12. As a user, I would like to be able to log into an existing account [unfinished task from last sprint]

- Given the wrong username and/or password, when logging in, the user should be notified that the information entered is incorrect

- Given a user who has verified his/her account using email, when the correct username and password entered and "log in" clicked, they should be redirected to the user home page.
- Given that users may wish to login via their accounts on social media platforms, when a user wishes to login in this manner, they will be able to click a button that displays an Oauth login page.

#	Task description	Time estimate	Assignee
1	Fix merge last-minute issues from last sprint	1 hour	Alex Willis
2	testing	1 hour	Alex Willis

13. As a teacher, I would like to view the classes I have created [from last sprint].

- Given that I have previously created a class, when I go on the view classes tab, the class should be listed there.
- Given that I have created a class and assigned it to a learning path, I should be able to view the class in it's designated learning path.
- Given that I have created a class, I should be able to view all its details once I click on it. (This includes, class name, teacher (owner), learning path, rating, content type, tags and comments).

#	Task description	Time estimate	Assignee

1	Fix class listing API logic	2 hours	Alex Willis
2	Integrate class list page with the rest of the frontend	4 hours	Kevin Xue
3	testing	2 hours	Kevin Xue

14. As a teacher I would like to be able to remove my own classes.

- Given that a teacher wishes to remove a class, a button shall exist to delete a class

- Given that a teacher clicked the "delete class" button, the class will be deleted and the learning path the class belonged to will be updated accordingly

- Given that a teacher has deleted a class, all references to it will be immediately removed site-wide.

#	Task Description	Time estimate	Assignee
1	Backend implementation	4 hours	Alex Willis
2	Deletion view [frontend]	6 hours	Alex Brooke
3	Link to classlist remove class button	1 hour	Kevin Xue
4	Integration testing	2 hours	Alex Willis

15. As a teacher, I would like to be able to create learning paths for specific topics and manage them.

- Given that the API supports learning path creation, when a teacher selects the option to make a learning path for a given topic, the learning path will be matched with that topic so that it will appear when viewing learning paths by topic

- Given that learning path creation has been implemented, when a teacher logs in, there should be a button to view the learning paths that they are in.

- Given that a user has chosen to view their learning paths, when they click the button to display all learning paths, a page will a list of learning paths should appear.

- Given that a teacher has created multiple learning paths, when they select the option to view learning paths, there will be the ability to filter them by topic and by tag name

#	Task description	Time estimate	Assignee
1	Get frontend pages working correctly	8 hours	Kevin Xue
2	Testing	2 hours	Alex Brooke

16. As a teacher, I would like to be able to make edits to published classes.
- Given that a teacher has created a class, then when a teacher views a given class, then there should be a button to display information.

- Given that a teacher has chosen to select class information, when the teacher clicks that button, an editable form with all the class information will be displayed.

- Given that a teacher has pulled up the class info form, there shall be a "save changes" and "discard changes" option.

- Given that a teacher has chosen to save/discard changes, when the teacher selects the button that matches with their choice, the changes will be saved or discarded and the class info updated appropriately.

#	Task description	TIme estimate	Assignee
1	Get the frontend pages working correctly	6 hours	John Shen
2	Testing	3 hours	Alex Brooke

17. As a teacher I would like to be able to make edits to published learning paths/classes.

- Given that a teacher wishes to change a given learning path or class, there will be a button that says "Edit class".
- Given that the teacher has clicked the "edit class[or learning path]" button, a page will pop up that will allow them to edit information about the learning path [description, content, etc]
- Given that a teacher has chosen to edit a class/learning path, they will have a button to save/discard changes. When either option is chosen, the changes will be saved or discarded as appropriate.

#	Task Description	Time estimate	Assignee
1	Create "edit learning path" button and associated page	8 hours	Alex Willis
2	Create "edit class" button and associated page	8 hours	Alex Brooke

| 3 | Integration testing | 3-4 hours | Alex Willis |

Backlog:

1. As a user, I would like the ability to filter out potentially offensive content.

2. As a user I would like to discuss lesson content with other users in a comment section.

3. As a user, I would like to be able to list my preferred hobbies and interests so that suggested learning paths are better catered to my interests.

4. As a user, I would like to be able to create learning paths from existing classes (idea like playlist).

5. As a user I would like to be provided with a rough estimate on how long a class may take me to complete. (If possible also entire learning path eta)

6. As a student, I would like to view learning paths another student is taking/following and their progress (if time allows).

7. As a student, I would like to be able to make recommendations about classes/learning paths I've taken.

8. As a student, I would like to be able to view recommendations for classes/Learning Paths that others have taken.

9. As a student I would like to see learning paths recommended based on ones I've completed (prerequisites and related topics).

10. As a teacher I would like to be able to be provided with statistics on who is viewing my classes, such as age range, stated hobbies, etc.

11. As a teacher I would like to be able to define required or recommended prerequisite topics.

12. As a teacher I would like to be able to view feedback specific to my classes.

13. As a teacher I would like to be able to give feedback to other teachers classes.

14. As a teacher I would like to be able to suggest my classes to other's learning paths.

15. As a developer I would like to make storage and transfer of sensitive data secure