

Sprint Planning Document - Team 33

Ludus

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Overview:

Set up entire project architecture, and implement the basic functionality, including account and course creation.

Scrum master: Alex Brooke

Weekly Scrum Meeting Time:

- Sunday 15:30
- Wednesday 16:30

Risks and Challenges:

Some of the people responsible for various tasks in this sprint will have to implement them using technologies that they have never used before. Although everyone in the group has had to learn a new programming language or framework before, the risk in doing so in a short time frame is that they might get stuck and not be able to finish their task in time. In the context of this project, the some key sticking points might be getting the API to work correctly and getting the React frontend to properly interact with it. To avoid these pitfalls, it will be important to ask for help from the other team members when necessary and not to waste too much time before doing so.

Current Sprint Detail:

User stories for this sprint:

As a user, I would like to be able to create, update, delete an account.

#	Task Description	Time Estimate	Assignee
1	Set up Database	4 hours	Shaural
2	Set up Functions service	2 hours	Alex Brooke
3	Account creation API logic	8 hours	Alex Willis
4	Account updating API logic	6 hours	Shaural Patel

5	Account deletion API logic	4 hours	Shaural Patel
6	Set up sign-up page	6 hours	Kevin Xue
7	Unit testing	6 hours	Kevin Xue

- Given a user who does not already have an account, when a student selects “Make a new account”, they will be able to
 - Provide a display name, an email, and a password
 - Use a Google account
 - Use a Facebook account
 - Use a Twitter account
- Given that our API supports updating an account with new information like a changed email address, when a user selects an “update information” button, they will be presented with a screen that allows them to modify their account information
- Given a user who wishes to delete their account, when a user clicks a “delete account” button, the user will be asked to confirm that they want to delete their account. If they choose “yes”, then the account will be permanently deleted.

As a user, I would like to be able to log into an existing account.

#	Task Description	Time Estimate	Assignee
1	Set up Functions service	2 hours	Alex Brooke
2	Account login page (Front end)	8 hours	Alex Willis

- 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 the wrong username and/or password, when logging in, the user should be notified that the information entered is incorrect
- 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.
- Given that a user has selected the option for OAuth login, when a user clicks the platform [Google, Facebook, etc] that matches their choice, they will be able to login to their accounts and be redirected to the user home page.

As a user I would like the possibility to create a student and or teacher account (and manage them separately).

#	Task Description	Time Estimate	Assignee
1	Student creation API logic	4 hours	Alex Brooke
2	Teacher creation API logic	4 hours	Alex Brooke
3	View switching	6 hours	John Shen

- Given that I have created an account, I should be able to create a student account and teacher account independently (and add the relevant information in each).
- Given that I have set up both a student and a teacher account, I should be able to manage their preferences independently.
- Given that a user has logged in, when they see the site homepage, there will be a button to switch between user view and teacher view.
- Given that a user clicked the button to choose the view that they would like, when they select student or teacher view, then the matching account type home screen will be displayed.

As a user I would like the ability to view and edit my profile.

#	Task Description	Time Estimate	Assignee
1	Student profile update API logic	4 hours	John Shen
2	Teacher profile update API logic	4 hours	John Shen
3	View/Edit profile page	4 hours	John Shen
4	View profile option	2 hours	John Shen

- Given that a user has logged in, when the user wants to alter the profile information, they will be able to start the process by clicking “edit profile”
- Given that the “edit profile” button has been implemented, when a user clicks that button, they will be presented with a editable form to change their information
- Given that a user has opened the form to change their profile information, when they choose to click “save”, the changes will be saved; and when the click “discard”, the changes will be discarded

As a teacher I would like to make and publish classes.

#	Task Description	Time Estimate	Assignee
1	Class creation API logic	2 hours	Alex Brooke
2	Class creation page	2 hours	Shaural Patel
3	Save for later or publish now option	4 hours	Shaural Patel
4	Unit testing	4 hours	Alex Brooke

- Given that I am logged in (into the teacher section), when I click on create a new class, I should be able to design a class with name, description, estimated completion time, learning path, tags, content (video, presentation, document).
- Given that I have designed a class, I should be able to save it for later, or publish it (make it publically available).

- Given that a teacher has created a class for immediate publishing, when a teacher selects the option to publish a class, it should become immediately available to all users.

As a teacher I would like to view the classes I have created

#	Task Description	Time Estimate	Assignee
1	Class listing API logic	4 hours	Alex Willis
2	Class list page	6 hours	Kevin Xue
3	Unit testing	4 hours	Kevin Xue

- 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).

As a teacher I would like to be able to make edits to published classes.

#	Task Description	Time Estimate	Assignee
1	Update class API logic	3 hours	Alex Brooke
2	Class edit option	3 hours	Kevin Xue
3	Update/edit class page	2 hours	John Shen
4	Unit testing	4 hours	Alex Willis

- 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.

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

#	Task Description	Time Estimate	Assignee
1	Class removal API logic	3 hours	Alex Brooke
2	Class deletion option	3 hours	Kevin Xue

- Given that a class information displaying is implemented, when a teacher opens up the information page of a class, there will be an option to delete a class
- Given that a teacher is on the class info page, when a teacher selects the delete option on a listed class, then a teacher will be able to permanently remove it.
- Given that a teacher has deleted a class, the changes should be immediately reflected in the learning path and across the whole site. For example, all ratings, comments, and recommendations for that class should be deleted when a class gets deleted

As a teacher I would like to be able to assign tags and other information to classify my class/learning path so that they can be searched.

#	Task Description	Time Estimate	Assignee
1	Class update API logic	2 hours	John Shen
2	Class tagging	4 hours	Shaural Patel
3	Implement “potentially offensive” tag system	2 hours	Alex Willis
4	Unit testing	4 hours	Alex Brooke

- Given that creating a new learning path is implemented, when a teacher wants to finalize creation, they will be able to tag the learning path according to its subject matter.
- Given that a teacher wishes to change class tags, when a teacher pulls up a class's information, they will be able to add/remove tags as appropriate.
- Given that course tagging is implemented, when the user elects to choose "filter potentially offensive content", most potentially offensive content will be hidden from the user.

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

#	Task Description	Time Estimate	Assignee
1	Create learning path API logic	6 hours	Alex Willis
2	Display screen for a learning path	4 hours	John Shen
3	Management screen for all learning paths	5 hours	John Shen
4	Learning path view options	5 hours	Shaural Patel

- 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 with 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

Backlog:

1. As a user, I would like to be able to create, update, delete an account.
2. As a user, I would like to be able to log into an existing account.
3. As a user, I would like to have a mechanism to reset a lost password.
4. As a user, I would like the ability to filter out potentially offensive content.
5. As a user I would like to discuss lesson content with other users in a comment section.
6. As a user, I would like to be able to list my preferred hobbies and interests so that courses are better catered to my interests.
7. As a user, I would like to be able to create course paths from existing courses (idea like playlist).
8. As a user I would like to be provided with a rough estimate on how long a course may take me to complete.
9. As a user I would like the possibility to create a student and or teacher account (and manage them separately).
10. As a student, I would like to be able to track the courses I have completed.
11. As a student, I would like to be able to learn from multiple teachers.
12. As a student, I would like to be able to follow teachers so that I am notified when new material is available.
13. As a student, I would like to be able to rate courses I have already taken.
14. As a student, I would like to view courses another student is taking/following (if time allows).

15. As a student, I would like the courses to be organized so that it is clear what class I should take next, such as learning paths.
16. As a student, I would like to be able to make recommendations about courses I've taken.
17. As a student, I would like to be able to view recommendations for courses that others have taken.
18. As a student I would like to be able to search for courses by criteria (tags, teachers, topics, etc).
19. As a student I would like to see courses recommended based on courses I've completed (prerequisites and related topics).
20. As a student I would like to be able to bookmark courses I wish to take.
21. As a student I would like to be able to view all my ongoing and/or completed courses at once
22. As a student I would like to be able to save progress on a course and resume it later.
23. As a teacher I would like to be able to be provided with statistics on who is viewing my courses, such as age range, stated hobbies, etc.
24. As a teacher I would like to make and publish courses.
25. As a teacher I would like to be able to assign tags and other information to classify my course so that they can be searched.
26. As a teacher I would like to be able to define required or recommended prerequisite topics.
27. As a teacher I would like to be able to remove courses or modules I have created.
28. As a teacher I would like to be able to make edits to published courses.
29. As a teacher I would like to be able to view feedback specific to my courses.
30. As a teacher I would like to be able to remove my own courses.

- 31. As a teacher I would like to be able to give feedback to other teachers courses.
- 32. As a teacher I would like to be able to my suggest courses to other's learning paths.
- 33. As a developer I would like to make storage and transfer of sensitive data secure
- 34. As a developer, I would like to be able to connect all course paths and lessons in a tree like structure.