**Sprint 3 Planning Document - Team 33**

**Ludus**

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**Overview:**

This will be the final sprint of our project. Our goal for this sprint is deliver a final fully integrated product. We will work on fixing and tuning things that have been overlooked from the previous sprint and adding all the remaining components and features. We also want to focus on the User Interface particularly as in the past our backend has usually been solid, however, we keep running into problems while integrating and developing the Frontend.

**Scrum master**: Alex Brooke

**Weekly Scrum Meeting Time**:

* Sunday 15:30
* Wednesday 16:30

**Risks and Challenges:**

To avoid the integration issues encountered during the last sprint we plan on extending our Sunday stand-up meetings as ‘integration day’; where we will be approving, testing and merging all the work that has already been done so there is no backlog in our Git Pull-Requests and so that everyone ends up on the same page at the end of the week. We also encountered some issues in mismatch between a task description and it’s user story description and overlooked (or pushed off) tasks from the Sprint Doc, so we plan on keeping the Task Tracking spreadsheet up to date, and at the end of each week’s Sunday Stand-Up meeting we will go through the sprint doc and note the things that have been integrated and what is still left to do (we may also redistribute workload if required).

**Current Sprint Detail:**

**User stories for this sprint:**

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

* Given that potentially offensive content exists, class/lp owners will have an option to mark their content as offensive
* Given that a student or other viewer would like to avoid offensive content they will be able to filter it out

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| **#** | **Task Description** | Time estimate | Assignee |
| 1 | Create button/mark for offensive content | 2 hours | Kevin Xue |
| 2 | Add offensive content marker to all relevant areas | 2 hours | Kevin Xue |
| 3 | Create search filter backend for offensive content (when marked) | 2 hour | Kevin Xue |
| 4 | Testing | 2 hours | Alex willis |

1. 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.

* Given that a user has created an account, they will be able to click on a page to choose their interests
* Given that a user searches for learning paths and classes, content that matches their interests will be ranked higher in the search results than non-matching content
* Given that a user’s interests may change over time, the user will be able to remove interests that are no longer relevant to them and replace them with more relevant ones.

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| # | Task description | Time estimate | Assignee |
| 1 | Add/remove interests page | 3 hours | Alex Willis |
| 2 | Change search function to factor topics of interest | 6 hours | Shaural Patel |

1. 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)

* Given that a teacher wishes to create a class, there shall be a field on which to input that estimated class completion time
* Given that a user views a class’s information, then there shall be an optional time estimate provided by the teach on how long the class should take to complete.

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| # | Task Description | Time Estimate | Assignee |
| 1 | Create time estimate input field | 4 hours | John Shen |
| 2 | Add time estimate to class information in database | 2 hours | John Shen |
| 3 | Display time estimate to students when applicable | 4 hours | John Shen |
| 4 | Testing | 2 hours | John Shen |

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

* Given a student is enrolled in a learning path, there shall be a way to view them.
* Given a student is enrolled in a learning path and is not yet complete, there will be a completion estimate provided.

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| # | Task Description | Time Estimate | Assignee |
| 1 | Create learning paths enrolled list | 5 hours | Kevin Xue |
| 2 | Add completion status to learning paths enrolled list | 5 hours | Kevin Xue |
| 3 | Add progress marker to enrolled learning paths (backend) | 4 hours | Kevin Xue |

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

* Given that a user wishes to recommend a class or learning path to another person, there will be a button that will allow recommendations to be emailed to other users
* Given that a user has recommended a class/learning path to another person, the targeted user will receive a notification about their new class and a link to it (via email as well, if time allows)
* Given that a user has been sent a class/learning path recommendation, then they should be able to quickly join the learning path if they wish

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| # | Task description | Time estimate | Assignee |
| 1 | Add recommendation button + form to select a user (by email, possibly) | 2 hours | Alex Willis |
| 2 | Set gmail account to send out links + testing | 3 hours | Alex Willis |
| 3 | Get button to generate a notification for the correct user | 4 hours | Alex Willis |

1. As a student I would like to be able to work through a learning path and view class content.

* Given that a learning path exists, a student should be able to enroll and navigate through the classes
* Given that a class exists, there will be a way to display different content in it.
* Given that a student is working through a class, there will be a way to save progress to resume later.

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| # | Task Description | Time estimate | Assignee |
| 1 | Create displayable area for content in classes | 6 hours | John Shen |
| 2 | Navigation of classes in learning paths UI | 3 hours | John Shen |
| 3 | Track progress of class completion | 3 hours | John Shen |

1. As a student, I would like to be able to view recommendations for classes/Learning Paths based on LPs/Classes that others (with similar interests) have taken and LPs/Classes that I have completed (prerequisites and related topics).

* Given that there are other students with similar interests to me, I should be able to view recommendations for the LPs they complete.
* Given that I have completed LPs/Classes, I will be recommended other Learning Paths similar to the ones I have completed.
* Given that I have recommendations, they will be displayed in the recommendations section of my profile.

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| # | Task Description | Time Estimate | Assignee |
| 1 | Recommendation section (Frontend) | 4 hours | Shaural Patel |
| 2 | Backend API to fetch similar classes from ones that I have completed | 4 Hours | Shaural Patel |
| 3 | Backend API to fetch similar classes from ones that other (with similar interest) have completed | 4 Hours | Shaural Patel |
| 4 | Testing | 2 Hours | Shaural Patel |

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

* Given that a student exists, statistics will be available for them to specify(optional to student)
* Given that a student is enrolled in a lp and has statistics, those numbers will be available to the owners of the classes in the lp.

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| # | Task Description | Time Estimate | Assignee |
| 1 | Add personal information specification | 6 hours | John Shen |
| 2 | User information API | 8 hours | Alex Willis |
| 3 | Testing | 2 hours | John Shen |

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

* Given that a teacher wishes to make a class, there will be the option to define prerequisite learning paths or classes for the given class
* Given that a teacher wishes to define certain prerequisites, the teacher shall have the option to choose between making the recommended or mandatory
* Given that a teacher has made a prerequisite learning path or class mandatory, a student who has not met the given prerequisites shall be blocked from using the learning path

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| # | Task Description | Time estimate | Assignee |
| 1 | Include prerequisites in class creation API function | 4 hours | Alex Willis |
| 2 | Update the Class Create page | 3 hours | Alex Willis |
| 3 | Enforcement mechanism for mandatory prerequisites | 8 hours | Shaural Patel |
| 4 | Testing | 3 hours | Shaural Patel |

1. As a user I would like to be able to give and receive feedback on classes.
   * Given that a user wishes to provide feedback, there will be a comment section in which they may make a comment.
   * Given that a comment exists, the owner may choose to make changes to or delete that comment by selecting the appropriate option in a dropdown
   * Given that a comment exists, any user may view and reply to it, notifying the owner of that comment.

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| # | Task Description | Time estimate | Assignee |
| 1 | Add backend function for creating comments | 4 hours | Alex Brooke |
| 2 | Add backend function for editing comments | 2 hours | Alex Brooke |
| 3 | Add backend function for deleting comments | 1 hour | Alex Brooke |
| 4 | Add comment section to class listing page | 6 hours | Alex Willis |
| 5 | Integrate with notifications | 4 hours | Shaural Patel |
| 6 | Testing (frontend) | 3 hours | Alex Willis |

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

* Given that a teacher has created a class, there will be an option to suggest their class to a learning path
* Given that a suggestion has been made for a class, a notification will appear displaying this information to the owner

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| # | Task Description | Time Estimate | Assignee |
| 1 | Create suggest class option | 6 hours | John Shen |
| 2 | Send notification to owner upon suggestion | 3 hours | Shaural Patel |
| 3 | Testing | 2 hours | John Shen |

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

* Given that there is sensitive information being transferred, that information will be safe from attackers or others with malicious intent

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| # | Task Description | Time Estimate | Assignee |
| 1 | Evaluate the safety of the database/data transfer and make appropriate adjustments | 5 hours | John Shen |

1. As a user I would like to be able to properly access every page naturally from within the pages themselves.
   * Given that a page exists, a user may reach it without the use of the URL bar
   * Given that a user clicks on a class, there will be a popup displaying the class’ info, and will link to actions (such as rating, bookmarking, or viewing the creator’s profile).
   * Given a desired page, the user should be able to intuitively navigate through pages on the way to their destination

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| # | Task Description | Time estimate | Assignee |
| 1 | Create dashboards and other in-between pages | 4 hours | Kevin Xue |
| 2 | Create the class info popup | 4 hours | Kevin Xue |
| 3 | Connect all of the pages according to the determined flow | 2 hours | Kevin Xue |
| 4 | Testing | 3 hours | Kevin Xue |

14. As a developer, I would like to make sure the tasks to date have been fully implemented

* 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

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| # | Task Description | Time estimate | Assignee |
| 1 | Add notifications to the database schema | 5 Hours | Shaural Patel |
| 2 | Create notification API | 5 Hours | Shaural Patel |
| 3 | Bookmarking backend | 4 Hours | Alex Brooke |
| 4 | Bookmark front end button + bookmarks menu | 5 Hours | Kevin Xue |

15. As a developer, I would like to have test coverage for all functions in the backend

* + Given that a backend function exists, there should be at least two or three tests to verify it (erroneous data if applicable, correct data, basic authentication).

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| # | Task Description | Time estimate | Assignee |
| 1 | Add tests for user functions | 5 hours | Alex Brooke |
| 2 | Add tests for tag functions | 3 hours | Alex Brooke |
| 3 | Add tests for learning path functions | 3 hours | Alex Brooke |
| 4 | Add tests for class functions | 3 hours | Alex Brooke |
| 5 | Add tests for new functions | 4 hours | Alex Brooke |

16. As a developer, I would like for the application to have a uniform look-and-feel.

* + Given that a page exists on the website, it should look similar to all other pages

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| # | Task Description | Time estimate | Assignee |
| 1 | Create style guide for site | 4 hours | Alex Brooke |
| 2 | Create stylesheets from styleguide | 3 hours | Alex Brooke |
| 3 | Apply stylesheet to existing pages | 3 hours | Alex Brooke |
| 4 | Apply stylesheet to new pages | 4 hours | Alex Brooke |