Weekly Report for the week ending April 11, 2024

Liubov, Yevhen, Pavel, Daryna Team

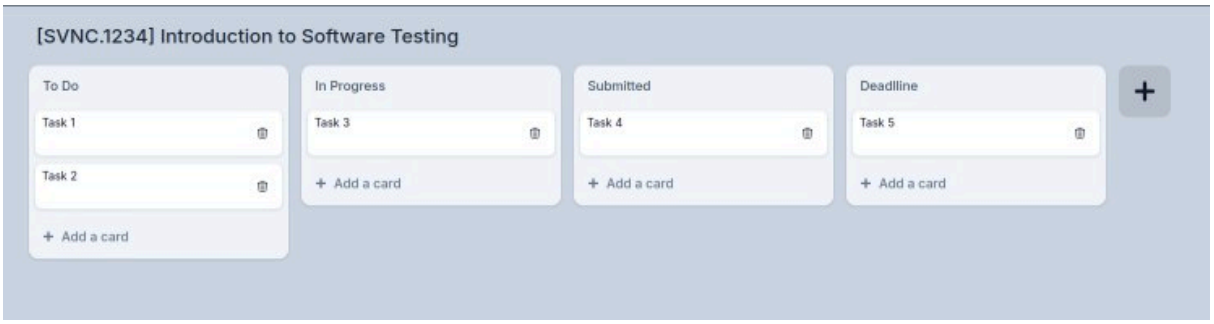
Yevhen's Responsibilities/Progress:

This week, Yevhen concentrated on the API development for our Kanban board project. He successfully implemented API endpoints to create, update, and retrieve boards, columns, and cards. He also made significant progress in implementing robust authentication and authorization mechanisms to ensure data security.

Pavel's Responsibilities:

Pavel focused on enhancing the user interface by creating interactive prototypes of the Kanban board using Figma templates. Throughout the week, he incorporated feedback from the team, making necessary iterations to the design to improve both functionality and aesthetics. These prototypes are crucial for providing the team with a tangible look at how end-users will interact with our product, ensuring the final product is both intuitive and effective.

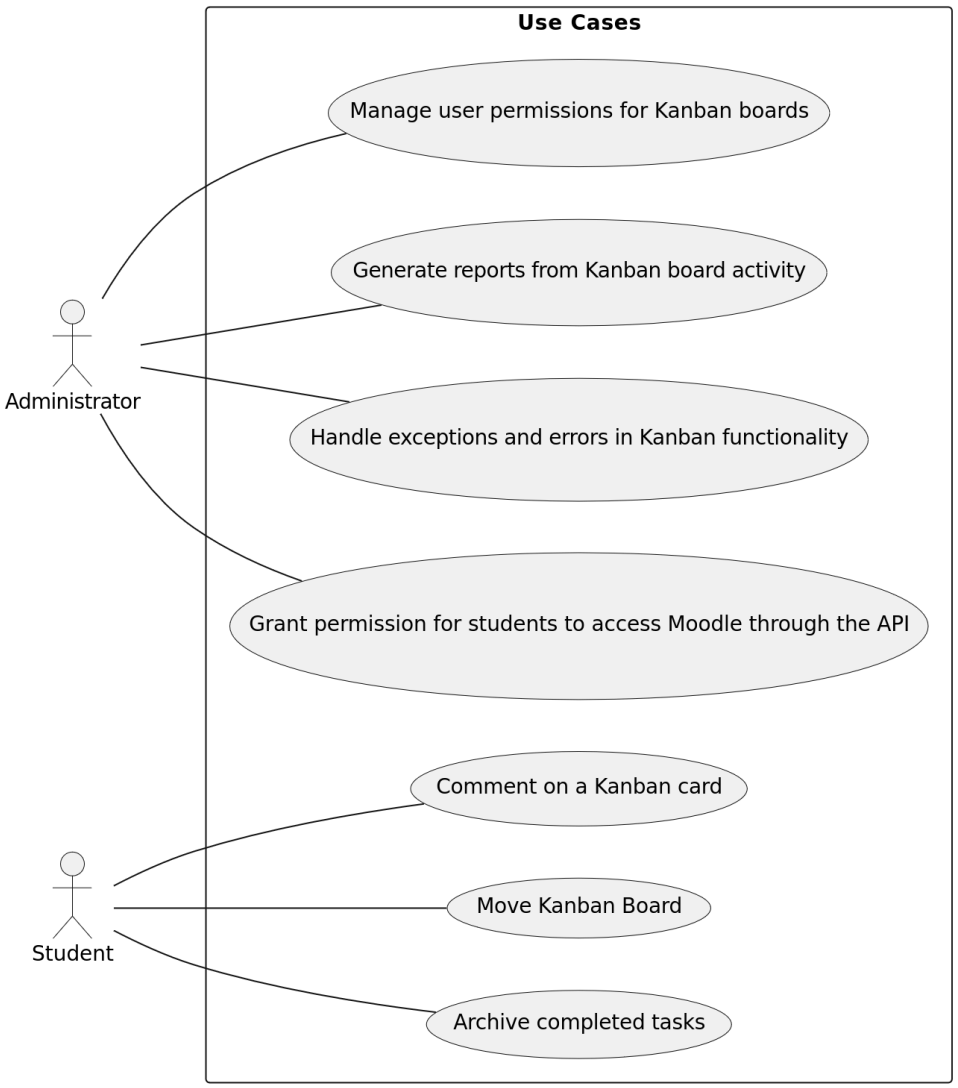
Attachment 1:



Liubov's Responsibilities:

As our project manager, Liubov has been instrumental in steering the project in the right direction. This week, she was involved in preparing detailed use cases that will guide the development process and ensure alignment with the project's objectives.

Attachment 2: Use Case Diagram



Attachment 3: Use Cases List

1. An administrator grants permission for students to access Moodle through the API
2. A student moves Kanban Board
3. An administrator manages user permissions for Kanban boards
4. An administrator generates reports from Kanban board activity
5. An administrator handles exceptions and errors in Kanban functionality
6. A student comments on a Kanban card
7. A student archives completed tasks

Attachment 4: Use Case Templates

Use Case 1: Administrator grants permission for students to access Moodle through the API

Use Case ID:	UC001		
Use Case Name:	Granting Permissions for API access		
Created By:	Liubov	Last Updated By:	Liubov
Date Created:		Date Last Updated:	

Actors:	Administrator
Description:	Administrator configures and manages board settings, including permissions, board categories, and default views. His main role is to grant permission for students to access Moodle assignments and courses through API.
Trigger:	Administrator grants permission for students to access.
Preconditions:	Administrator must be logged in with admin privileges.
Postconditions:	Board settings are updated according to the specifications.
Normal Flow:	1. Administrator logs into the system. 2. Administrator navigates to the settings page from the dashboard. 3. Administrator modifies the board settings such as categories, user permissions, and default layouts. 4. Administrator reviews the changes and saves them. 5. System confirms the changes and logs the activity.
Alternative Flows:	None
Exceptions:	System fails to save changes due to a server error.
Includes:	User Authentication
Priority:	High
Frequency of Use:	Weekly
Business Rules:	Only administrators can alter board settings.
Special Requirement:	Changes must be logged for audit purposes.
Assumptions:	Administrators have appropriate training to manage board settings.
Notes and Issues:	Ensure timely server responses to avoid delays.

Use Case 2: User moves Kanban Card

Use Case ID:	UC002		
Use Case Name:	Move Kanban Card		
Created By:	Liubov	Last Updated By:	Liubov
Date Created:		Date Last Updated:	

Actors:	User (Student)
Description:	User moves a Kanban card from one column to another to update the status of the task.
Trigger:	The User decides to update the status of a task represented by a Kanban card.
Preconditions:	1. User must be authenticated and authorized to access the specific course and Kanban board. 2. The Moodle API must be available and functional. 3. The task (Kanban card) exists on the Kanban board. 4. The columns (statuses) to move between must be defined and exist on the board.
Postconditions:	1. The Kanban card's new status is updated in the Moodle course database. 2. The user interface reflects the Kanban card's new position. 3. Activity logs record the action of moving the card.
Normal Flow:	1. The user accesses the Moodle Kanban Board. 2. The user navigates to the specific course and respective Kanban board section. 3. The user locates the Kanban card representing the task whose status needs updating. 4. The user drags the Kanban card from its current column to the target column (representing the new status). 5. The system detects the drop action and triggers an update via the Moodle API. 6. The API updates the task's status in the Moodle course database. 7. The UI updates to show the card in its new destination column. 8. An activity log entry is created for this action.
Alternative Flows:	If the column drag-and-drop action is aborted, the card remains in the original column and no changes are made in the database.

Exceptions:	● If the Moodle API is unavailable, the operation is aborted, and an error notification is displayed to the user.
Includes:	● Authenticate User ● Update Task Status in Database
Priority:	High
Frequency of Use:	Several times per day per user, depending on the number of tasks and workflow complexity.
Business Rules:	
Special Requirement:	● Smooth, intuitive drag-and-drop interface. ● Immediate visual feedback when moving cards.
Assumptions:	The user understands the meaning of each column's status.
Notes and Issues:	

Daryna’s Responsibilities:

Being new to the team, Daryna spent her first week familiarizing herself with the project’s scope and existing documentation. She began setting objectives for future documentation tasks.

Overall:

During this week, each team member made substantial strides in their respective areas, driving our project closer to realization. Yevhen’s backend developments provide a strong foundation, Pavel’s prototypes offer a sneak peek into the user interface, and Liubov’s project leadership maintains our project’s direction and pace. Daryna’s integration into the team and her focus on documentation will enhance our project’s structure and record-keeping.