

In this Hands-On Project, you will be building a Kanban board to represent the backlog and recommended workflow for a project. Through this project, you will gain experience with working in a Kanban workflow, creating Kanban cards and prioritizing them.

This Hands-On will be graded, so be sure you complete all requirements.

Caution!

- Do not submit your project until you have completed all requirements! You will not be able to resubmit.
 - Be sure to zip and submit your entire document when finished!
-

Requirements

Leveraging what you've learned about the Kanban method, you will need to create a Kanban board to represent a typical workflow for the project described below. Pay particular attention to your swim lanes, your WIP limits, and any specific policies that should be described. Populate a complete product backlog to the best of your knowledge, and ensure that anyone viewing your Kanban board can gain a quick understanding of the status of your project. Meet the below requirements:

Create a Trello Project:

Log into your Trello account and click *Create new Board*. You can name the project "ABC Inc. Registration" or a project title of your choosing. Select "none" for the team and change the board setting from *private* to *public*.

Create a Kanban Board:

- Ensure your Lists represent appropriate swim lanes for a Kanban project.
- Pay particular attention to the workflow that is defined by your swim lanes; Kanban offers you more control over the workflow.
- Create appropriate WIP limits for a team of 6 (4 Developers and 2 Test Engineers).

Create a Product Backlog:

Populate your Product Backlog by adding a minimum of 10 Kanban Cards. Each Card should represent a user story, and should follow the standard user story format: "As a , I need to ."

Groom your Backlog:

Reorder the stories by priority with the most urgent stories up top. Consider the value to the customer, and ensure that the most valuable stories are at the top.

Example Project:

Feel free to plan any project you like; however, if you need inspiration for a project to design, you may use the following:

- ABC Inc. (your client) is asking you to plan a project to develop a web application which will allow students to register for an upcoming class.
 - They would like a student to be able to log into a web application and view available courses and then select one in which to register. Registration will be limited based on classroom capacity.
 - The administration will need the ability to manage the class schedule, creating, removing, and modifying classes.
 - The client values quality and innovative solution over something that is quick to market. They are looking to you and your team to help define some features that would make class registration a simple and easy process.
-
-

MY WORK

To Do

As a Student, I want to see how many seats are open and filled for a class.

As a Student, I want to be able to register on mobile devices (in addition to desktop)

As a Student, I want to be able to login to the web application with the same LMS login I already have.

As an Administrator, I want to login with the same credentials as the LMS system with similar security.

Development

WIP limit: 3/3

As an Administrator, I want to set class size limits, and for registration to "close" for a course once all seats are filled.

Assigned to: Senior Developer

As an Administrator, I want to set registration date limits for courses per semester.

Assigned to: Junior Developer 1, Senior Developer

As a Student, I want to be able to search through a course catalog by subject.

Assigned to: Junior Developer 2, Senior Developer

Code Review

WIP limit: 1/1

As an Administrator, I want to manage the course schedule, including creating, removing, and modifying classes.

Assigned to: Lead Test Engineer, Lead Developer

Testing

WIP limit: 1/1

As a Student, I want to be able to read descriptions of the course, including instructor, course name, subject/area, and a short description.

Assigned to: Junior Test Engineer, Lead Developer

Done

As a Student, I want to be able to register for an upcoming class.