

In this Hands-On Project, we will revisit the previous exercise with a Scrum twist. You will be required to create a Scrum Backlog and plan your first sprint. Our focus in this exercise will be to give you a brief experience as both the Product Owner and a Scrum Development Team. Through this activity, you will come to understand some of the different processes of a Scrum team. **This Hands-On will be graded**, so be sure you complete all requirements.

To turn in this project, please take screenshots of each requirement and add it to a Word document. Then, you will be able to turn in every requirement at once.

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!

Additional Info!

Before starting this assignment, watch this workshop: [Scrum Project](#).

Requirements

Leveraging what you've learned about the Scrum method, you will be required to Populate a Product Backlog with User Stories. This exercise will give you practice with authoring User Stories and expose you to the challenges of the Product Owner.

You will then plan your first sprint, an exercise that the Scrum Master would facilitate. Through the planning process, you will be required to provide Story Points for each of the User Stories that you have created. Meet the below requirements:

Create a Trello Project:

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

Create a Scrum Board:

Add 4 Lists:

- Product Backlog
- To-Do
- In-Progress
- Done

Create a Product Backlog:

Populate your Product Backlog by adding a minimum of 20 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.

Add Story Points:

Once you have your 20 User stories written, you will need to switch gears from Product Owner to Development Team. Go back through each story and prepend the story point value to the title like this: "[8] As a , I need to ". Be sure to follow the Fibonacci sequence when pointing your stories, and if a story ends up larger than a 13, break it down into smaller stories.

Plan a Sprint:

Lastly, assume your scrum team has a historical velocity of 36 points per sprint. Plan out your next sprint by moving the appropriate cards into the *To-Do* list. Your *To-Do* list should contain stories that are designed as Potentially Shippable Increments(PSI).

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:

- Your client is asking you to plan a project to develop a web application which will allow students to connect with like-minded students for projects.
- They would like a student to be able to log into a web application and either post an idea for a project, or search other student's ideas to find something they are interested in working on.
- The students will need the ability to connect with each other and discuss working together. Any options to make the application more social would be valued.
- 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 motivate students to engage in using this platform to connect and build better communication.

MY WORK:

Trello Board:

<https://trello.com/invite/b/MUhr5Qpv/ATTI1709c4b04ef42c6e38cbc7f967e2368eBA423C7F/ds103-03-10-pm-lesson-3-hands-on-scrum>

REFERENCE

- Reference previous project: [DS103-02-09-PM - Waterfall Hands-On - Business Requirements](#)
- Fibonacci sequence: 1, 2, 3, 5, 8, 13, 21, 34, 55, 89

PRODUCT BACKLOG

- [02] As an Exeter Mentor, I want to see which of my students are participating in collaboration, so that I can identify students that may need more assistance or encouragement on coursework.
- [05] As an Exeter Career Coach, I want to see how my students are collaborating

and interacting with other students, so that I will have hiring recommendations for jobs that require teamwork, project management, and team management skills.

- [05] As an Exeter Student, I want to be able to filter posts by general topics I'm interested in.
- [08] As an Exeter Student, I want to be able to do fuzzy text search for posts I want to collaborate on.
- [08] As an Exeter Student, I want to be served a list of "highly ranked" posts, for when I don't have any ideas where to start.
- [08] As an Exeter Student, I want to be served a list of "popular" posts, for when I don't have any ideas where to start.
- [13] As an Exeter Administrator, I want to be able to moderate the content of posts by making them "private" or delete them.
- [13] As an Exeter Student, I want the option to pick a few (3+?) general topics to search for.
- [13] As an Exeter Student, I want to be able to "vote" on ideas that I think deserve some more attention from the community, or to show my support.
- [13] As an Exeter Student, I want to be able to add pictures and links to my posts, to help give context and reference.
- [13] As an Exeter Student, I want to be served a "random" list of posts, for when I don't have any ideas where to start.
- [13] As an Exeter Student, I want to filter posts to only those student in my same class section currently.
- [13] As an Exeter Student, I want to filter posts to only those students in my cohort.
- [13] As an Exeter Student, I want to log in to the collaboration tool with the same login as the main LMS, for ease of use.

TO-DO [36]

- [01] As an Exeter Student, I want to have a "library" of the posts or projects I started.
- [01] As an Exeter Student, I want to post my project idea, so that I can find fellow students to collaborate on my project idea.
- [02] As an Exeter Instructor, I want to see my students' project ideas, so that I can assist on projects when needed or suggest changes to a project idea if it will not fit an assignment.
- [02] As an Exeter Student, I want to have a "scoreboard" for all the projects I've collaborated on.

- [03] As an Exeter Student, I want to "follow" posts or projects that I find interesting but I am not an active collaborator.
- [03] As an Exeter Student, I want to be able to "close" a post when I have all the collaborators I need.
- [03] As an Exeter Student, I want to be able to "raise my hand" to volunteer to collaborate on a project.
- [03] As an Exeter Student, other Exeter Students to be able to comment and discuss my topic, so I can get more ideas and find collaborators.
- [05] As an Exeter Student, I want to be able to format my post with rich text formatting.
- [13] As an Exeter Student, I want to have options for flagging inappropriate or offensive behavior and comments.

IN-PROGRESS

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DONE

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