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Practice Defining Tasks: Homework 3

This is an pair assignment. You should work together with your pair partner from your team; each pair in the team needs to do this assignment and submit separately.

Consider the "heavyweight" version of the laundry use case at <https://www.usability.gov/how-to-and-tools/methods/use-cases.html> (<https://www.usability.gov/how-to-and-tools/methods/use-cases.html>). Your team has been hired to add the laundry feature to the software controlling an existing robot. Assume the robot has all the object recognition, tactile, and movement capabilities needed, available through an API.

First write one "user story" corresponding to this use case. Remember a user story has a title and about three sentences. Do not include priority or estimate. Set up a task board using trello with this user story. Now what? How would you organize the work among your team members to develop and deliver this feature? Do not be concerned with a burndown chart or how long it will take you to deliver. Do you think it would be useful to break this up into multiple user stories? Why or why not? If so, write those user stories and include them on your task board.

Second write a "use case" that expands on the sample use case. Include everything provided in the sample use case, but also add anything else you think is necessary to satisfy the robot company's customers (i.e., the end-users). As above, you might consider breaking the use case up into multiple use cases. Then set up *another* task board on trello that shows the organization of work among your team members to develop and deliver the complete laundry feature. Make sure its a clearly separate task board, the end result should include two task boards, not just one. Again, do not be concerned with a burndown chart or how long it will take you to deliver.

Submit a single file that provides details about how the teaching staff can access your trello space (it is better to find out userids in advance and add them to your membership rather than including passwords in an online file, or alternatively you can make your space visible to the general public via a link). It is ok, in fact preferred, for both pairs in a team to use the same trello space, but make sure to clarify which trello boards belong to which pair; although you would then be able to see each other's task boards, each pair should still do this assignment independently.

The submitted file should discuss your two task boards, answering all these questions, and compare the two approaches. Which do you think is better? Why? Note the two task boards cannot be identical, since one consists of user stories and the other of use cases, but both can leverage any facilities provided by the task board system, such as checklists, comments, attachments, etc.

The name of this file should include both your team name and pair units. For example, Racoons_ras2105_jbh2019_homework2.doc. You should submit as soon as possible after you are done, you do not need to wait for the deadline. If relevant, you can resubmit repeatedly until the deadline.

Points	4
Submitting	a file upload
File Types	doc, docx, pdf, txt, xls, and xlsx

Due	For	Available from	Until
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Oct 11, 2016	Everyone	Sep 2, 2016 at 12am	Jan 31 at 11:59pm
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+ Rubric