

COMSW4156_001_2015_3: ADVANCED SOFTWARE ENGINEERING (Fall 2015)

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Home
Announcements
Piazza
Calendar
Textbooks
Syllabus
Assignments
Gradebook
Mailtool
Roster
Files & Resources
Site Settings
Evaluation
Help

Assignments

Viewing assignment...

▼ _Settings for "Practice Defining Tasks (2015 Pair Assignment 2)"

Created by	Gail E. Kaiser
Date created	Sep 23, 2015 1:42 pm
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Due	Oct 1, 2015 11:55 pm
Accept Until	Oct 2, 2015 11:55 pm
Modified by instructor	Sep 25, 2015 8:56 am
Student Submissions	Single Uploaded File only
Number of resubmissions allowed	Unlimited
Accept Resubmission Until	Oct 8, 2015 11:55 pm
Grade	Points (max 10.0)
Alert:	Yes
Honor pledge:	No

Assignment Instructions

Get together with the other member of your pair (not your entire team).

A company named "Awesome Robots, Inc." has developed a housekeeper robot that they plan to sell as a consumer product. Awesome Robots' in-house software development staff has already developed the robot's basic functionality and it works fine. Your company, consisting of your 2-person pair, has been hired by Awesome Robots to develop the laundry feature described in the attached "Use Cases" document. Awesome Robots has designated one of their employees to act as your customer.

Write a collection of one or more user stories that correspond to the use case given at the end of the attached document, specifically the variant the document calls "heavyweight". Remember that user stories do not provide as much detail as use cases, and should consist only of a title and up to three sentences description. Do not include time estimates or priorities.

State any assumptions you are making about the robot's functionality and API.

List any questions you think you need to ask the customer before starting to code. This might include asking about omitted functionality, for instance, some of the laundry items might not be suitable for washing in the washing machine (e.g., the laundry tag says "dryclean only") or the user wants the laundry done some day other than Wednesday. Then pretend you have met with the customer and have answers to all your questions. Make up answers that sound plausible to you.

Define a set of tasks to implement the "heavyweight" variant of the use case. Each task should have a title and describe specific development work to be done. Do not include time estimates or priorities, but do consider dependencies.

Submit on courseworks (per pair) a document with the following contents:

page 1: Names and unis of both members of the pairs. This should be on a separate page, do not start the material for page 2 on the same page.

pages 2 to N: Write a header "User Stories" at the top of page 2. Then write all your user stories. Its ok if its just one.

pages N+1 to M: Make sure to start on a new page. Write a header "Assumptions" at the top of page N+1. Then write any assumptions you have made about the robot.

pages M+1 to Q: Start on a new page. Write a header "Questions" at the top of page M+1. Then write any

questions you have for the customer and the customer's imaginary answers (that you made up). If you have no questions, leave the rest of this page blank.

pages Q+1 to end: Start on a new page. Write a header "Tasks" at the top of page Q+1. Then write your tasks. Each task description should include the titles of any other tasks that it is dependent on.

Your document can be either MS Word, or equivalent (.doc), or Adobe pdf.

If you are satisfied with your work, this is all you need to do. If you are unsure about anything, still submit something by the original deadline. But then both members of the pair should go together to visit any of the IAs for help, and then resubmit up to one week later. Do not resubmit if you did not meet with an IA.

How do we know when we're done? When you are confident that the set of tasks you defined are sufficient to implement laundry functionality that fulfills the customer's requirements and will be valuable for the customer's own customers.

Additional resources for assignment



[Use Cases](#) (1 KB; Sep 23, 2015 1:47 pm)

► Student view of the assignment "Practice Defining Tasks (2015 Pair Assignment 2)"

CourseWorks runs on Sakai[2.9-COLUMBIA (2016_3-1830) - kabocha-ci], set to EST.

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