

IS446 – Systems Analysis and Design

Use Case Specification and Activity Diagram

Instructions

Overview

You will be creating a use case specification and activity diagram for the *Pick Order* use case for the iSchool Webstore System. The purpose of the activity diagram is to illustrate the Basic Flow scenario shown in the use case specification.

Assignment Details

Order picking is the activity in which webstore workers pick merchandise from the shelves in order to fill a customer order. The *Pick Order* use case specification will describe this process. Here are some details of how the process has been envisioned in discussions with the users thus far:

- The order picker should be able to select which order that she wishes to pick from a list of orders that are ready for picking.
- The system should print a *Picking List* for the order picker to use while picking the order.
- Merchandise for an order should be placed in a bin as it is picked.
- When all of the merchandise has been picked for an order, the order picker will tell the system that this order has been fully picked.
- When the activity is finished, the bin with all of the merchandise and the *Picking List* should be placed in a pile designated for orders awaiting shipping.

Use Case Specification

Use the MS Word template provided in the Weekly Schedule to create a use case specification for *Pick Order*. Follow the approach that I demonstrate in the tutorial video. Your specification should include the Basic Flow and several alternative flows. In the list of Key Scenarios, list the Basic Flow and call attention to the activity diagram that you will be creating for the Basic Flow.

Activity Diagram

The activity diagram that you are creating should describe the Basic Flow scenario. This is meant to illustrate the Basic Flow and it should fully agree with the narrative description in the Basic Flow. Follow the approach that I demonstrate in the tutorial video.

Deliverables

You will be creating two separate documents: the use case specification and the activity diagram.

Format

Both the use case specification and the activity diagram should be separate PDF documents.

File and Directory Naming

Create a directory that will hold your two documents. Name the directory using the following scheme:

surname_givenname_use_case_specifaction_and_activity_diagram

If I were completing this assignment, I would name my directory:

trainor_kevin_use_case_specifaction_and_activity_diagram

The directory should contain your two documents. These should be in PDF format and should be named according to the following scheme:

surname_givenname_use_case_specification.pdf

surname_givenname_activity_diagram.pdf

If I were completing this assignment, I would name the files as follows:

trainor_kevin_use_case_specification.pdf

trainor_kevin_activity_diagram.pdf

Use a zip utility to zip up the entire directory to create one file for submission. The submitted file should be named according to the following scheme:

surname_givenname_use_case_specifaction_and_activity_diagram.zip

If I were completing this assignment, I would name the files as follows:

trainor_kevin_use_case_specifaction_and_activity_diagram.zip

PLEASE NOTE: All file names must be in lower case. Deductions will be made for submissions that do not conform to this standard.

Due Date

Please see the Weekly Schedule for the date and time when this assignment is due.

Last Revised

2021-03-08