**Eliciting Requirements: Use Case Modeling**

**\*This is from Miami of Ohio NSF CPATH grant:** [**http://cs-comm.lib.muohio.edu/items/show/40**](http://cs-comm.lib.muohio.edu/items/show/40)

The primary tool at our disposal for defining requirements and identifying features is Use Case Modeling. Use cases are simply scenarios, or stories, that capture the functions that the system provides for the users. The use cases will help you to create your Product Backlog. You will identify two use cases for a project of your choosing.

**What I want You To Learn**

* How to identify use cases

**Deliverable**

Read or view the following:

* Read chapter 6 from [text book](https://www.utdallas.edu/~chung/SP/applying-uml-and-patterns.pdf).
* Review requirements [here](https://www.slideshare.net/IvarsLenss/software-requirements-workshop-presentation).
* Review requirements workshops [here](http://selab.netlab.uky.edu/homepage/papers/handson/reqts-workshops.ppt).

Post your report to piazza, follow the template provided on the Syllabus page of our website.

**Criteria for assignment**

1. Identify, or propose, two distinct use cases for your proposed system that will meet the client’s needs
2. For each use case, write a scenario for your use case. Use the “casual format” as described in section 6.5 of our book (see the Handle Returns example and more ideas [here](http://www.csci.csusb.edu/dick/samples/usecases.html#Casual Format)). Use case diagram may also be provided (if you use a tool such as ArgoUML or StarUML, you could document the text portion of the use case as a [comment](http://selab.netlab.uky.edu/homepage/papers/handson/argouml-use-case.jpg)).
3. In your scenario, be sure to identify the primary actor(s) along with a scenario (the sequence of actions and interactions between the actors and the product of how they will use a feature of the product).

**Grading Rubric**

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| --- | --- | --- |
| Criteria | Done Well | Need Improvement |
| Identify two distinct use cases  | Two uses cases are identified that have different scenarios | Two uses cases with different scenarios are not identified |
| Identify the actor(s) who will be using the product | Plausible actor(s) are identified who seem consistent with what we know about the product | The actors are not identified or are inconsistent with what we know about the product |
| Describe the sequence of actions and interactions between the actors and the product | The sequence of actions and interactions between the actors and the product are consistent with what we know about the product | The sequence of actions and interactions between the actors and product are unclear or inconsistent with what we know about the product |

Note: Writing assignments must be grammatically correct, have complete sentences, and correct spelling.