Southern New Hampshire University

IT 510 Module Five Homework Activity Guidelines and Rubric

Using the case study Campus Bikes, complete the Module Five Homework Activity. Using a Word document, students will answer four prompts based on the case.

Answer the following prompts via a Word document:

1. List possible objects in the new bike shop system, including their **attributes and methods.**
2. Identify at least three possible **use cases and two actors.**
3. Create a **use case diagram** that shows how service requests are handled.
4. Create a **state transition diagram** that describes typical customer states and how they change based on specific actions and events.

Rubric

Guidelines for Submission: Homework Activity Module Five should follow these formatting guidelines: 1–2 pages, double-spacing, includes identification of 3 objects, 2–3 methods and attributes, 3 use cases and 2 actors for each of the objects in the new bike shop's system, 12-point Times New Roman font, one-inch margins, and APA citations.

Critical Elements	Proficient (100%)	Needs Improvement (55%)	Not Evident (0%)	Value
Objects: Attributes and Methods	Identifies objects, methods, and attributes for each object required per the case requirement	Insufficiently identifies objects or methods and/or attributes for each object per the case requirement	Does not identify objects, methods, and attributes for each object per the case requirement	20
Use Cases and Actors	Identifies use cases and actors required per the case requirement	Insufficiently identifies use cases and actors per the case requirement	Does not identify use cases and actors per the case requirement	20
Use Case Diagram	Produces a use case diagram using the proper standards for object oriented design required per the case requirement	Insufficiently produces a use case diagram using the proper standards for object oriented design required per the case requirement	Does not produce a use case diagram using the proper standards for object oriented design required per the case requirement	20
State Transition Diagram	Produces a state transition diagram using the proper standards for object oriented design required per the case requirement	Insufficiently produces a state transition diagram using the proper standards for object oriented design required per the case requirement	Does not produce a state transition diagram using the proper standards for object oriented design required per the case requirement	20

Articulation of Response	Submission has no major errors related to citations, grammar, spelling, syntax, or organization	Submission has major errors related to citations, grammar, spelling, syntax, or organization that negatively impact readability and articulation of main ideas	Submission has critical errors related to citations, grammar, spelling, syntax, or organization that prevent understanding of ideas	20
			Earned Total	**100%**