Software Architecture
Assignment #2– Grading Guidelines

Assignment 2 - Deriving and Evaluating a BB	EE279K	EE382C
Part 1: Prioritizing Stakeholder Needs and Associating them with System Qualities		
Assignment 1 resubmitted (with revisions, if any). Completely covers the stakeholder needs.	1	1
Priority justifications provided.	1	1
Part 2: Deriving a Business Blueprint		
BB includes all functions in Assignment 1.	1	1
Graphical Representation (of bootstrap)		
Graphic uses UML notation for *classes* to represent components and *associations* to represent dependencies (with no other features of the notation, such as inheritance or decomposition lines).	2	1.5
Functions allocated to each class appear as UML methods. No data appears on the graphic. Dependency (i.e., association) lines include the correct number of *input* dependencies next to the respective component.	2	1
Textual Representation (of bootstrap)		
List of components	0.5	0.25
List of functions allocated to each component	0.5	0.25
List of data allocated to each component	0.5	0.25
List of function I/O dependencies between components List of function I/O dependencies between components and external producers/consumers List of function I/O satisfied within the same component	1	0.75
Derivation Plan		
Prioritized derivation goals completely address stakeholder needs from Part 1. If a goal cannot be addressed in the business blueprint (e.g., it is strongly tied to implementation decisions), the goal is still included with a justification as to why it cannot be addressed.	1	1
One or more heuristics are selected to achieve each goal with (i) a justification for each heuristic and (ii) a justification for the priorities of the heuristics under the respective goal.	2	1.5
Derivation plan conflicts identified and tradeoff decisions described.	1	0.5
Description of how the bootstrap was a reasonable starting point based on the derivation plan.	1	0.5
Part 3: Evaluating Business Blueprint Structure		
Coupling and Cohesion Metrics		
Requested coupling/cohesion metrics provided.	1	0.5
Coupling/cohesion metrics calculated correctly.	0.5	0.5
Size and Complexity Metrics		
Requested size/complexity metrics provided.	1	0.5
Size/complexity metrics calculated correctly.	0.5	0.5
Measuring the Blueprint to evaluate goal satisfaction and determine refinements required		
Discussion on using static metrics to demonstrate heuristic related to coupling/cohesion and/or size/complexity.	1	1
Quality		
Overall quality of the presentation (i.e., professional document, nicely formatted with content divided into sections).	0.5	0.5
TOTAL	**19**	**14**