CSC 4620 Homework 1 Software Architecture Due At 5pm on January 31, 2020

iLearn has a link to the book "Visualizing Software Architecture" by Brown that is available for reference. Watch the three software architecture videos available in iLearn and then read the following web page from 2013 describing the Spotify architecture:

https://labs.spotify.com/2013/03/15/backend-infrastructure-at-spotify/

(20 Points) Create the C4 *context* and *container* level diagrams for Spotify. Your diagrams must be drawn using an electronic drawing tool (hand drawn diagrams will not be accepted).

Primary Trait	0 points	3 points	7 points	10 points
Context Diagram	Diagram handwritten or not submitted	Diagram missing labels for components and connectors, AND missing context of the software including users and associated systems	Diagram missing labels for components and connectors; issues with the context (missing users or associated systems)	Diagram captures full context of the software system including the users and external systems; diagram appropriately labeled to distinguish between different parts; both components (boxes) and connectors (lines) diagram labeled to indicate purpose and protocols, where appropriate;
Container Diagram	Diagram handwritten or not submitted	Diagram missing labels for components and connectors, AND missing context of the software including users and associated systems; diagram missing some knowledge of the internals of the system	Diagram missing labels for components and connectors; issues with the context (missing users or associated systems); diagram captures the basic knowledge of the internals of the system	Diagram contains the full context from the context diagram; main part of diagram refines the view of the software; both components (boxes) and connectors (lines) diagram labeled to indicate purpose and protocols, where appropriate

(20 Points) Create the C4 *context* and *container* level diagrams for the software for your **team project**. Your diagrams must be drawn using an electronic drawing tool (hand drawn diagrams will not be accepted). **Provide a one paragraph description of the purpose of your project.**

Primary Trait	0 points	3 points	7 points	10 points
Context Diagram	Diagram	Diagram missing	Diagram missing	Diagram captures
	handwritten or not	labels for	labels for	full context of the
	submitted	components and	components and	software system
		connectors, AND	connectors; issues	including the users
		missing context of	with the context	and external
		the software	(missing users or	systems; diagram
		including users and	associated	appropriately
		associated systems	systems); missing	labeled to
			description of	distinguish between
			project	different parts;
				both components
				(boxes) and
				connectors (lines)
				diagram labeled to
				indicate purpose
				and protocols,
				where appropriate;
Container Diagram	Diagram	Diagram missing	Diagram missing	Diagram contains
	handwritten or not	labels for	labels for	the full context
	submitted	components and	components and	from the context
		connectors, AND	connectors; issues	diagram; main part
		missing context of	with the context	of diagram refines
		the software	(missing users or	the view of the
		including users and	associated	software; both
		associated systems;	systems); diagram	components
		diagram missing	captures the basic	(boxes) and
		some knowledge of	knowledge of the	connectors (lines)
		the internals of the	internals of the	diagram labeled to
		system	system	indicate purpose
				and protocols,
				where appropriate