



Outcomes		HW 0906	PC 0906	HW 0918	HW 0927	HW 1016	PCa 1025	PCb 1025	HW 1030	HW 1101	Cumulative	Totals	
1	Know and understand the art and science of interaction design, particularly its first principles and key metrics.											+	13
1a	Know and understand how interaction design relates to mental models.								+		+		2
1b	Know and understand the five key usability metrics.			+				+			+	/	1
1c	Know and understand interaction design guidelines, principles, and theories.			+							+	-	0
1d	Know and understand interaction styles.						/	/			/	O	0
1e	Know and understand affordances.												
2	Apply this knowledge by studying, comparing, and evaluating the user interfaces of actual systems.												
2a	Map real-world interaction design cases and/or situations to how mental models are expressed and communicated.			+					+		+		
2b	Prioritize the five usability metrics for a given application.			+							+		
2c	Effectively use usability metrics, interaction design guidelines, principles, and theories, interaction styles, and affordances to make appropriate, well-founded interaction design decisions.			+					+		+		
3	Know the fundamentals behind implementing user interfaces with working knowledge of technologies such as HTML/CSS/JavaScript, Ajax, jQuery, and Bootstrap.												
3a	Know and understand how user interfaces are constructed.					+				+	+		
3b	Know and understand event-driven programming.									+	+		
3c	Know and understand the model-view-controller (MVC) paradigm.					+				+	+		
3d	Break down a high-level user action into a sequence of lower-level user or system events.												
4	Follow academic and technical best practices throughout the course.												
4a	Write syntactically correct, functional code.												
4b	Demonstrate proper separation of concerns, especially MVC.					+				+	+		
4c	Write code that is easily understood by programmers other than yourself.												
4d	Use available resources and documentation to find required information.	+		+	+	+			+	+	+		
4e	Use version control effectively.	+		/	+	+			+		+		

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4f	Meet all designated deadlines.	+		+	+	+			+	+	+