



Outcomes		HW 0906	PC 0906	HW 0918	HW 0927	HW 1016	PCa 1025	PCb 1025	HW 1030	HW 1101	HW 1120	HW 1129	HW 1204	Cumulative
<b>1</b>	<b>Know and understand the art and science of interaction design, particularly its first principles and key metrics.</b>	<b>Work to complete: Homework 1030, 1101.</b>												
<b>1a</b>	Know and understand how interaction design relates to mental models.						+		o			o		o
<b>1b</b>	Know and understand the five key usability metrics.		+	+			+	+						o
<b>1c</b>	Know and understand interaction design guidelines, principles, and theories.			/								o		o
<b>1d</b>	Know and understand interaction styles.						+	+				o		o
<b>1e</b>	Know and understand affordances.										o	o	o	o
<b>2</b>	<b>Apply this knowledge by studying, comparing, and evaluating the user interfaces of actual systems.</b>													
<b>2a</b>	Map real-world interaction design cases and/or situations to how mental models are expressed and communicated.								o			o		o
<b>2b</b>	Prioritize the five usability metrics for a given application.		+											+
<b>2c</b>	Effectively use usability metrics, interaction design guidelines, principles, and theories, interaction styles, and affordances to make appropriate, well-founded interaction design decisions.			/					o			o		o
<b>3</b>	<b>Know the fundamentals behind implementing user interfaces with working knowledge of technologies such as HTML/CSS/JavaScript, Ajax, jQuery, and Bootstrap.</b>	<b>IOU feedback on HW 1016, 1120, 1129, 1204.</b>												
<b>3a</b>	Know and understand how user interfaces are constructed.					+				o	/		o	o
<b>3b</b>	Know and understand event-driven programming.									o	/		o	o
<b>3c</b>	Know and understand the model-view-controller (MVC) paradigm.									o	+		o	o
<b>3d</b>	Break down a high-level user action into a sequence of lower-level user or system events.										/		o	o
<b>4</b>	<b>Follow academic and technical best practices throughout the course.</b>													

**Totals**

+	1
	0
/	1
-	0
o	16

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<b>4a</b>	Write syntactically correct, functional code.									O			O	O
<b>4b</b>	Demonstrate proper separation of concerns, especially MVC.					+				O	+		O	O
<b>4c</b>	Write code that is easily understood by programmers other than yourself.									O	/		O	O
<b>4d</b>	Use available resources and documentation to find required information.	/			+				O	O		O	O	O
<b>4e</b>	Use version control effectively.	/		-	+	+			O	O	/	O	O	O
<b>4f</b>	Meet all designated deadlines.			/	+	/			-	-	/	-	-	/