Daniel Huang Design Thinking Self-Assessment

Evaluation Criteria	Exemplary Competency	Proficient Competency	Foundational Competency
1. Discover *How do I find, design, and approach problems or challenges?*	**Make Observations (1.1)** I can take a highly broad, deep, and inquisitive approach to noticing and recording information (e.g. different perspectives, disciplinary lenses, or conditions), and keep detailed records in generating ideas for inquiry. **Pose Questions (1.2)** I can employ strategies for generating questions that drive deeper thinking, and produce high quality questions that elicit deep knowledge of the user and the topic. **Find Information (1.3)** I can find relevant and credible information through academic research and user-focused/empathetic methods.	**Make Observations (1.1)** I can notice and record substantive information to generate ideas for inquiry. **Pose Questions (1.2)** I can generate a large number and variety of open-ended questions for inquiry. **Find Information (1.3)** I can find information through academic research and/or user-focused/empathetic methods.	**Make Observations (1.1)** I can notice and record basic information within a narrow scope to generate a few ideas for inquiry. **Pose Questions (1.2)** I can generate a few questions for inquiry, but struggle with volume and/or depth. **Find Information (1.3)** I can find limited or superficial information through academic research and/or user-focused/empathetic methods.
2. Define *How do I interpret information and define problems or challenges?*	**Define Evaluative Criteria (2.1)** I can define sound criteria for determining if a problem is appropriate as a project focus and, after ideating, to what extent a solution could solve the problem. **Consider Constraints (2.2)** I can define constraints based on user needs and/or resources to show a deep understanding of my design space. **Define Problem (2.3)** I can evaluate complex information to produce a nuanced and significant problem statement.	**Define Evaluative Criteria (2.1)** I can define clear criteria for determining if a problem is appropriate as a project focus and, after ideating, if a solution could solve the problem. **Consider Constraints (2.2)** I can define constraints based on user needs and/or resources. **Define Problem (2.3)** I can evaluate information to produce a clear and significant problem statement.	**Define Evaluative Criteria (2.1)** I can define some criteria for determining if a problem is appropriate as a project focus and, after ideating, if a solution could solve the problem. Some aspects are overlooked. **Consider Constraints (2.2)** I can identify some constraints based on user needs and/or resources. **Define Problem (2.3)** I can evaluate information to produce a problem statement that lacks clarity and/or significance.
3. Ideate *How do I generate, refine,*	**Generate Ideas (3.1)** I can generate a large number of both wild and realistic ideas.	**Generate Ideas (3.1)** I can generate a large number of mostly conventional ideas.	**Generate Ideas (3.1)** I can generate some ideas, but they may be insufficient in

and evaluate ideas?	**Refine Ideas (3.2)** ==I can organize, classify, and prioritize ideas, drawing complex connections between them, to possible directions, trends, or constraints.== **Develop a Plan of Action (3.3)** I can create an initial plan for further exploration that articulates a sophisticated methodology (e.g., experimental design, advanced research methods).	**Refine Ideas (3.2)** I can organize, classify, and prioritize ideas to determine possible directions, trends, or constraints. ==**Develop a Plan of Action (3.3)**== ==I can create an initial plan or method for further exploration.==	volume or originality. **Refine Ideas (3.2)** I can classify ideas, but may struggle to determine possible directions, trends, or constraints. **Develop a Plan of Action (3.3)** I can create a plan or method for further exploration, but it may be narrow, inflexible, or lack a clear vision of the end product.
4. Iterate *How do I build on and improve my ideas and products?*	==**Make Prototypes (4.1)**== ==I can create testable attempts at a solution that respond elegantly to the problem and are easy for others to understand.== **Test/Submit for Feedback (4.2)** I can seek out relevant users for feedback on my prototype and create an effective system for soliciting useful feedback. ==**Integrate Feedback (4.3)**== ==I can analyze and evaluate feedback to refine my criteria and generate a stronger solution.== ==**Reiterate (4.4)**== ==I can take action to repeat the iterative cycle and refine my work until it effectively meets user needs and evaluative criteria.==	**Make Prototypes (4.1)** I can create testable attempts at a solution that respond to the problem and others can understand. ==**Test/Submit for Feedback (4.2)**== ==I can seek out feedback on my prototype from multiple sources.== **Integrate Feedback (4.3)** I can analyze and evaluate feedback to generate a stronger solution. **Reiterate (4.4)** I can take action multiple times to repeat the iterative cycle and refine my work with an aim to meeting user needs and evaluative criteria.	**Make Prototypes (4.1)** I can create attempts at a solution but they may not be fully testable, responsive to the problem, or understandable to others. **Test/Submit for Feedback (4.2)** I can seek out feedback on my prototype from at least one outside source. **Integrate Feedback (4.3)** I can use feedback to refine my solution. **Reiterate (4.4)** I can take action to repeat the iterative cycle and refine my work.
5. Deliver *How do I share my ideas and products?*	**Present to an Audience (5.1)** I can construct an engaging and substantive presentation based on the audience and purpose (e.g., inform, persuade, or entertain). I can present with preparation, enthusiasm and confidence. **Visual Presentation (5.2)** I can design a thoughtful and attractive visual presentation	**Present to an Audience (5.1)** I can construct an engaging and substantive presentation based on the audience and purpose (e.g., inform, persuade, or entertain). **Visual Presentation (5.2)** I can design a visual presentation that is organized to guide the audience and	**Present to an Audience (5.1)** I can construct a presentation to share my process and/or product. **Visual Presentation (5.2)** I can include visual components, but some visuals and/or the organizational

	that guides the audience and enhances the spoken message. **Website Presentation (5.3)** I can design a website that is intuitive to use and has an outstanding visual design.	supports the spoken message. **Website Presentation (5.3)** I can design a website that is user-friendly, well-organized, understandable to an outside audience, follows visual design conventions.	structure may detract from the message. **Website Presentation (5.3)** I can design a website that meets content expectations.
6. Evolve *How do I reflect on and evolve my ideas and products?*	**Reflect on Design (6.1)** I can consistently record sophisticated reflections on both process and product, thoughtfully justifying my reasoning. **Identify Next Steps (6.2)** I can determine future stages in the design or research process. I can set goals and describe a plan for future skill and project development.	**Reflect on Design (6.1)** I can reflect on both the process and product and consistently record my reflections. **Identify Next Steps (6.2)** I can determine future stages in the design or research process. I can set goals for future skill development.	**Reflect on Design (6.1)** I can reflect on both the process and product and inconsistently record my reflections. **Identify Next Steps (6.2)** I can determine future stages in the design or research process.
7. Group Collaboration *How do I work with others and add value to collective work?*	**Abide by Group Norms (7.1)** I can work with my group to help build and maintain consensus with regard to expectations, holding myself and others accountable to them. **Task Management (7.2)** I can work with my team to create a detailed task list that divides work reasonably and sets priorities; assign roles as needed; set a schedule and track progress; and run meetings efficiently. **Work as a Whole Team (7.3)** I can develop ideas and create products with involvement of all team members, bringing tasks done separately to the team for critique, revision, and coherence. **Encourage Diverse Perspectives (7.4)** I can help manage airtime and make connections between and build on others' ideas to generate new and unique insights. I can be open to new and diverse perspectives. I can explain revisions in my own	**Abide by Group Norms (7.1)** I can work with my group to establish expectations and hold myself and others accountable to them. **Task Management (7.2)** I can work with my team to create a detailed task list; assign roles as needed; set a schedule and track progress; and run meetings efficiently. **Work as a Whole Team (7.3)** I can develop ideas and create products with involvement of all team members, bringing tasks done separately to the team for critique and revision. **Encourage Diverse Perspectives (7.4)** I can help monitor airtime and make connections between and build upon others' ideas. I can be open to new and diverse perspectives. I can help clarify areas of agreement and disagreement, and help the group evaluate its ideas.	**Abide by Group Norms (7.1)** I can work with my group to establish expectations and hold myself accountable to them. **Task Management (7.2)** I can work with my team to create a task list with some division of labor; assign roles; set a rough schedule and track progress. **Work as a Whole Team (7.3)** I can develop ideas and create products with team members, but tasks may be done separately or in isolation. **Encourage Diverse Perspectives (7.4)** I can build upon others' ideas. I can be open to new and diverse perspectives.

	thinking and help the group evolve its ideas. **Critical Reflection (7.5)** I can help the group to critically examine conventional or authoritarian assertions, challenge my own assertions and beliefs, and willingly express unconventional and possibly unpopular views.	**Critical Reflection (7.5)** I can challenge my own or the group's assertions and beliefs, and willingly express unconventional and possibly unpopular views.	**Critical Reflection (7.5)** I can challenge my own or the group's assertions and beliefs, but may not be willing to express these insights.
8. Personal Habits and Mindsets *How do I approach and think about intellectual and personal growth?*	**Time Management (8.1)** I can come to class prepared all of the time and go beyond expectations. **Growth Mindset (8.2)** I can rate my level of agreement with each statement and explain my reasoning, using moments of personal growth or struggles to demonstrate a clear and accurate understanding of growth mindset. I can set goals for future progress with clear evaluative criteria. **Grit (8.3)** I can rate my level of agreement with each statement and explain my reasoning, using moments of success or failure to demonstrate a clear and accurate understanding of grit.. I can identify potential obstacles to achieving my goals, and create, adjust, and follow a plan to overcome them.	**Time Management (8.1)** I can come to class prepared all the time. **Growth Mindset (8.2)** I can rate my level of agreement with each statement and explain my reasoning, providing examples based on moments of personal growth or struggles. I can set goals for future progress. **Grit (8.3)** I can rate my level of agreement with each statement and explain my reasoning, providing examples based on moments of success or failure. I can create a plan of improvement.	**Time Management (8.1)** I can come to class mostly prepared. **Growth Mindset (8.2)** I can rate my level of agreement with each statement and give an example. **Grit (8.3)** I can rate my level of agreement with each statement and give an example.

Rubric Criteria	Evidence	Explanation for How I Met the Criteria
Make Observations (1.1)	**Make Observations (1.1)**	I believe I am Exemplary Competency in this criterion because I can take a highly broad, deep, and inquisitive approach to noticing and recording information (e.g. different perspectives, disciplinary lenses, or conditions), and keep detailed records in generating ideas for inquiry. My evidence is [look-for + where to find on relevant page]. "Project 02 - Make Observation" Dec/04/2017
Pose Questions (1.2)	**Pose Questions (1.2)**	I believe I am Exemplary Competency in this criterion because I can generate a large number and variety of open-ended questions for inquiry. My evidence is [look-for + where to find on relevant page]. "Project 02 - Pose Questions" Dec/04/2017
Find Information (1.3)	**Find Information (1.3)**	I believe I am Exemplary Competency in this criterion because I can find relevant and credible information through academic research and user-focused/empathetic methods. My evidence is [look-for + where to find on relevant page]. "Project 02 - Find Information" Dec/04/2017
Define Eval. Criteria (2.1)	x	I believe I am Exemplary Competency in this criterion because I can take a highly broad, deep, and inquisitive approach to noticing and recording information (e.g. different perspectives, disciplinary lenses, or conditions), and keep detailed records in generating ideas for inquiry. My evidence is [look-for + where to find on relevant page]. "Project 02 - Define Evaluative Criteria" Dec/04/2017
Consider Constraints (2.2)	x	I believe I am Exemplary Competency in this criterion because I can generate a large number and variety of open-ended questions for inquiry. My evidence is [look-for + where to find on relevant page]. "Project 02 - Consider Constraints" Dec/04/2017

Define a Problem (2.3)	**x**	I believe I am Exemplary Competency in this criterion because I can find relevant and credible information through academic research and user-focused/empathetic methods. My evidence is [look-for + where to find on relevant page]. "Project 02 - Define problem" Dec/04/2017
Generate Ideas (3.1)	**x**	I believe I am Exemplary Competency in this criterion because I can take a highly broad, deep, and inquisitive approach to noticing and recording information (e.g. different perspectives, disciplinary lenses, or conditions), and keep detailed records in generating ideas for inquiry. My evidence is [look-for + where to find on relevant page]. "Project 02 - Generate Ideas" Dec/04/2017
Refine Ideas (3.2)	**x**	I believe I am Exemplary Competency in this criterion because I can generate a large number and variety of open-ended questions for inquiry. My evidence is [look-for + where to find on relevant page]. "Project 02 - Refine Ideas" Dec/04/2017
Develop a Plan of Action (3.3)	**x**	I believe I am Proficient Competency in this criterion because I can find relevant and credible information through academic research and user-focused/empathetic methods. My evidence is [look-for + where to find on relevant page]. "Project 02 - Develop a Plan of Action" Dec/04/2017
Make Prototypes (4.1)	x	I believe I am Exemplary Competency in this criterion because I can generate a large number and variety of open-ended questions for inquiry. My evidence is [look-for + where to find on relevant page]. "Project 02 - Make Prototypes" Dec/04/2017
Test/Submit for Feedback (4.2)	x	I believe I am Proficient Competency in this criterion because I can find relevant and credible information through academic research and user-focused/empathetic methods. My evidence is [look-for + where to find on relevant page]. "Project 02 - Test/Submit for Feedback" Dec/04/2017
Integrate Feedback (4.3)	x	I believe I am Exemplary Competency in this criterion because I can generate a large number and variety of open-ended questions for inquiry. My evidence is [look-for + where to find on relevant page]. "Project 02 - Integrate Feedback" Dec/04/2017

Reiterate (4.4)	x	I believe I am Exemplary Competency in this criterion because I can generate a large number and variety of open-ended questions for inquiry. My evidence is [look-for + where to find on relevant page]. "Project 02 - Reiterate" Dec/04/2017
Present to an Audience (5.1)	x	
Visual Presentation (5.2)	x	
Website Presentation (5.3)	website	I believe I am Proficient Competency in this criterion because I can find relevant and credible information through academic research and user-focused/empathetic methods. My evidence is [look-for + where to find on relevant page]. "Project 02 - Website Presentation" Jan/08/2018
Reflect on Design (6.1)	x	I believe I am Exemplary Competency in this criterion because I can generate a large number and variety of open-ended questions for inquiry. My evidence is [look-for + where to find on relevant page]. "Project 02 - Reflect on Design" Dec/04/2017
Identify Next Steps (6.2)	x	I believe I am Proficient Competency in this criterion because I can find relevant and credible information through academic research and user-focused/empathetic methods. My evidence is [look-for + where to find on relevant page]. "Project 02 - Identify Next Steps" Jan/08/2018
Abide by Group Norms (7.1)	x	I believe I am Exemplary Competency in this criterion because I can find relevant and credible information through academic research and user-focused/empathetic methods. My evidence is [look-for + where to find on relevant page]. "Project 02 - Abide by Group Norms" Jan/08/2018
Task Management (7.2)	x	I believe I am Proficient Competency in this criterion because I can find relevant and credible information through academic research and user-focused/empathetic methods. My evidence is [look-for + where to find on relevant page]. "Project 02 - Task Management" Jan/08/2018

Work as a Whole Team (7.3)	x	I believe I am Exemplary Competency in this criterion because I can find relevant and credible information through academic research and user-focused/empathetic methods. My evidence is [look-for + where to find on relevant page]. "Project 02 - Work as a Whole Team" Jan/08/2018
Encourage Diversity (7.4)	x	I believe I am Exemplary Competency in this criterion because I can find relevant and credible information through academic research and user-focused/empathetic methods. My evidence is [look-for + where to find on relevant page]. "Project 02 - Encourage Diversity" Jan/08/2018
Critical Reflection (7.5)	x	I believe I am Exemplary Competency in this criterion because I can find relevant and credible information through academic research and user-focused/empathetic methods. My evidence is [look-for + where to find on relevant page]. "Project 02 - Critical Reflection" Jan/08/2018
Time Management (8.1)	x	I believe I am Exemplary Competency in this criterion because I can find relevant and credible information through academic research and user-focused/empathetic methods. My evidence is [look-for + where to find on relevant page]. "Project 02 - Time Management" Jan/08/2018
Growth Mindset (8.2)	x	I believe I am Proficient Competency in this criterion because I can find relevant and credible information through academic research and user-focused/empathetic methods. My evidence is [look-for + where to find on relevant page]. "Project 02 - Growth Mindset" Jan/08/2018
Grit/Persistence (8.3)	x	I believe I am Exemplary Competency in this criterion because I can find relevant and credible information through academic research and user-focused/empathetic methods. My evidence is [look-for + where to find on relevant page]. "Project 02 - Grit/ Persistence" Jan/08/2018