Judges Name / Cell Phone number:

# Grading Rubric for Original Design Project (CT Fair)

(assign 0-2 points per category; half-points are okay)

Judges Name / Cell Phone number:

| *(Note: ½ point allowed)* | 0 Points (Poor) | 1 Point (Good) | 2 Points (Excellent) | Example Questions to Ask |
|---|---|---|---|---|
| **Problem - Complexity** | Obvious/typical problem with limited scope | New take on a typical problem with some extended scope | Novel/innovative problem that is complex | *Who would want to use this project?* |
| **Solution - Fit** | Solution seems unconnected to problem | Solution handles most of the problem, but may leave some aspects unaddressed | Solution elegantly and completely fits the problem | *How would this project be useful or helpful to people?* |
| **Solution - Creativity** | Solution has been seen before for similar problems | Solution may follow typical patterns, but has some interesting aspects | Solution is unexpected or imaginative and not commonly seen | *How did you come up with the idea for this project?* |
| **Solution - Depth** | Solution is trivial | Solution involves some complexity in design | Solution requires extensive knowledge of problem and advanced design | *Are there any special features you added to this project?* |
| **Presentation - Effectiveness** | Unclear explanation of ideas (jumbled, confused, etc.) | Clear but simple explanation of ideas that requires questions from judges to understand full scope | Clear and detailed explanation of project that highlights all important aspects | *Tell me all about how your project works.* |
| **Presentation - Enthusiasm** | Student seems bored/uninterested in their own project | Student seems to enjoy their project, but doesn't seem fully passionate | Student is overtly passionate about their work and excited to share as much as possible | *What's your favorite part of this project?* |
| **Poster - Completeness** (problem statement, motivation, implementation, discussion, conclusion) | Poster does not include all sections | Poster includes all sections but may be messy or undetailed | Poster includes all sections presented clearly and in detail | *(look at poster)* |
| **Effort** | Student stayed easily within their own abilities | Student tried a few new techniques, but mainly stuck with what they already knew how to do | Student went out and learned new skills in order to create this project | *What challenges did you face when you made this project?*<br>*Did you have to learn how to do anything new?* |
| **Mastery** | Student seems unfamiliar with the details and implementation of their project | Student knows how their project works, but may not fully grasp some of the coding details they looked up | Student knows exactly how each element of their project works and can explain all code and design choices | *Why did you choose to do ___?*<br>*Show me how ____ works.* |
| **Overcoming Adversity** | Student faced no obvious challenges and comes from tech background | Student faced some challenges (disability, access, etc.) OR comes from a non-tech background | Student faced challenges (disability, access, etc.) AND comes from a non-tech background | *How did you learn how to code?*<br>*Did anyone in your family teach you?*<br>*Were there any challenges for you to learn how to code?* |