**DESIGN REFLECTION ASSIGNMENT**

Your Initials: ___________________ ID No: ___________ Team: ___________ Date: ___________

**Purpose**
Innovative solutions often result from reflective thinking about design processes. In this exercise, you will think reflectively about your recent design activities to learn how your design processes have affected solution quality, thereby preparing you for greater innovation in the future.

**Phase of Design Process**
Check the design phase your team has recently completed:

- **□ Problem Scoping**: Defining the problem to be solved, including design specifications
- **□ Concept Generation**: Generating and selecting the best design concept
- **□ Solution Realization**: Developing a design concept into a well-defined, tested design solution

**Confidence in Work Completed**
Rate your level of confidence (using definitions below) that your team’s design process has fully addressed the following design requirements:

<table>
<thead>
<tr>
<th>Requirement or Issue</th>
<th>1 Very Low</th>
<th>2 Low</th>
<th>3 Moderate</th>
<th>4 High</th>
<th>5 Very High</th>
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<tbody>
<tr>
<td>Satisfying user needs</td>
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<td>Functionality, aesthetics, overall quality</td>
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<td>Technical feasibility</td>
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<td>Simplicity, producibility, maintainability</td>
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<td>Financial attractiveness</td>
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<td>Cost, return on investment, broader value</td>
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<td>Social acceptability</td>
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<tr>
<td>Safety, sustainability, compliance, social impact</td>
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Rating definitions:
- **Very Low**: We do not understand this type of requirement or how to satisfy it
- **Low**: We have limited understanding of this type of requirement and how to satisfy it
- **Moderate**: We have moderate understanding of this type of requirement and moderate confidence in satisfying it
- **High**: We have good understanding of this type of requirement and good confidence in satisfying it
- **Very High**: We have expertise with this type of requirement and confidence to deliver excellence in satisfying it
**DESIGN PROCESS REFLECTION ASSIGNMENT**

**Strength in Design Process**

For the recently completed design phase, consider what design activity produced the most valuable advancement toward your team’s design solution.

(a) **Activity**: Identify (or name) the design activity that was most effective in this phase:

(b) **Effective Actions**: Describe (in detail) how you implemented this design activity so it was effective.

(c) **Impact of Actions**: Describe specific impacts these actions had on your design achievements.
**DESIGN PROCESS REFLECTION ASSIGNMENT**

**Improving the Design Process**

For the recently completed design phase, consider an aspect of your design activity that was weak or missing.

(a) **Activity**: For this design phase, identify a key design activity that was weak or missing.

(b) **Impact**: Explain how this weakness impacted the quality of your design work to-date.

(c) **Remedy**: Explain what you should have done to alleviate this problem with your design process.