

# PROJECT DEVELOPMENT PHASE

## Debugging & Traceability

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| Date         | November 2 2023                                  |
| Project Name | Project-How to Create a Reel Design Using Canva. |

### DEBUGGING:

Debugging played a pivotal role in ensuring the robustness and quality of the reel design project. Throughout the development phase, a systematic approach was adopted to identify and rectify potential issues.

#### 1. Systematic Testing:

Rigorous testing procedures were implemented to scrutinize the reel's performance across various devices and platforms. This encompassed thorough evaluation of visual elements, interactive features, and overall responsiveness. Any discrepancies or inconsistencies were promptly identified and addressed.

#### 2. User Interaction Testing:

Special attention was given to user interactions within the reel. User interfaces were meticulously scrutinized to ensure intuitive navigation and seamless functionality. This involved simulating user interactions and carefully observing the system's response.

#### 3. Cross-Browser Compatibility:

To guarantee a consistent user experience, the reel was tested on multiple web browsers. This ensured that design elements rendered correctly and that interactive features functioned as intended across different browser environments.

#### 4. Error Handling and Exception Testing:

Robust error handling mechanisms were integrated into the reel's design. Simulated scenarios were employed to trigger potential errors, allowing for thorough testing of error messages and recovery procedures.

### **TRACEABILITY:**

Maintaining a clear and comprehensive record of changes and decisions throughout the project was imperative for effective traceability. This systematic approach ensured that every aspect of the design process could be retraced and analyzed.

#### 1. Version Control and Change Logs:

A version control system was employed to manage iterations of the project. Detailed change logs were maintained, documenting each modification made to the design. This provided a chronological account of the project's evolution.

#### 2. Design Decision Documentation:

Every significant design decision, from template selection to element placement, was meticulously documented. This documentation served as a reference point for understanding the rationale behind specific design choices.

#### 3. Issue Tracking and Resolution:

Any identified issues were logged and tracked through dedicated issue management tools. Each issue was assigned a unique identifier, allowing for easy reference and monitoring of resolution progress.

#### 4. Design Iterations and Feedback Loops:

Traceability extended to the feedback and iteration process. Each iteration of the design was meticulously recorded, along with associated feedback and adjustments. This facilitated a structured approach to refining the reel's design.