



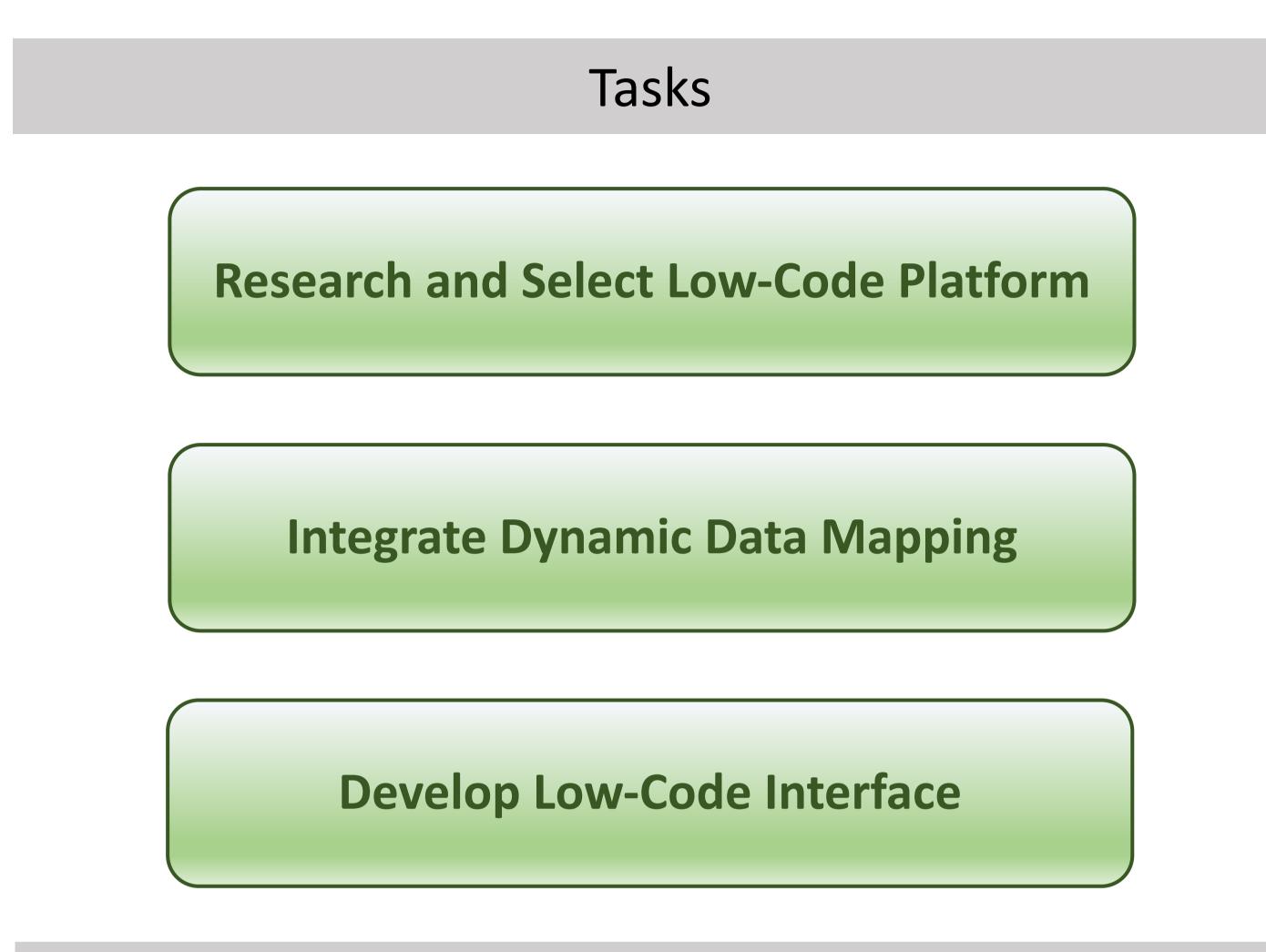
# Enhanced Data Capture for 3D Printing: Low-Code Interface Project

In association with amsight

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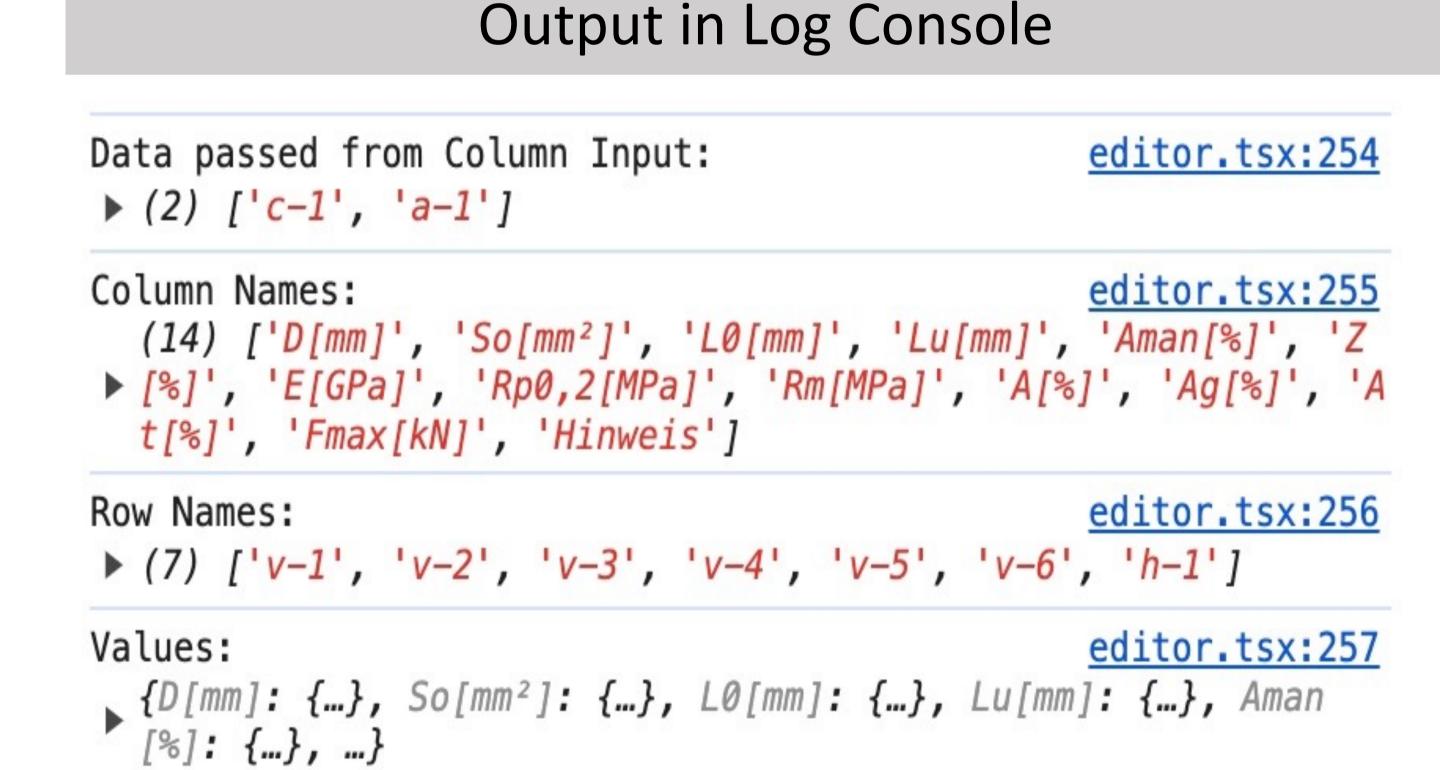
### **Problem Statement**

The 3D printing industry faces inefficiencies in data capture during the production process, leading to missed opportunities for optimization. The current manual data collection methods using Excel and PDF documents are labor-intensive and need to be adaptable without requiring programming knowledge. We aim to solve this by developing a user-friendly low-code interface that streamlines data capture and allows for easy customization.



# Research Low-Code Platforms Design Low-Code Interface Implement Data Mapping Develop Customization Features Select Optimal Platform Build Prototype Dynamic Data Integration User Customization Interface

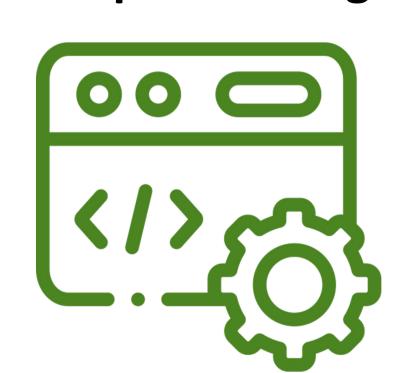
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### Review and Summary

### **Development Progress**



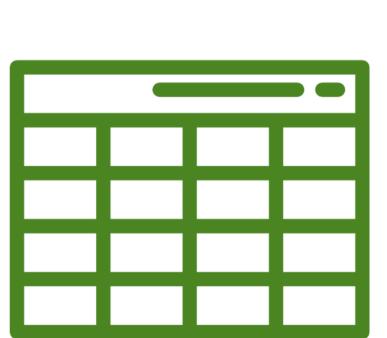
Implemented file import & column-to-attribute mapping feature

### **Enhancement**



Improved understanding of requirements, utilized provided examples for clarity, and acquired new skills

### Measurements



Developed Excel file import and attribute mapping in generating build job names & values from at least 3 different input files

Timeline



Established functionality for improved data management efficiency