

Title:

Milestone 3 – Development Of The VST App	
Status	 In Progress
Description	This milestone involves developing the VST (Virtual Studio Technology) plugin using the JUCE framework. The plugin will be integratable with Digital Audio Workstations (DAWs) providing users with a powerful tool for music production.
Deliverables	Delivery of installation files for both iOS and Windows including the VST plugin ensuring compatibility and usability across different platforms.
Budget	\$15,000 USD
Link URL	

Explanation

This milestone delivers the first version of **Deep Noise Studio** (formerly *AI Song Starter*) as a **VST (Virtual Studio Technology) plugin**, developed using the **JUCE framework**. The plugin integrates seamlessly with Digital Audio Workstations (DAWs), enabling users to generate AI-powered sounds from text prompts and use them directly in their music production workflow.

Deliverables

✔ Cross-platform installation files:
[Download VST Plugin for Mac and Windows](#)

Included formats:

- macOS (AU & VST3)
- Windows (VST3)

The plugin has been tested for compatibility with leading DAWs including Ableton Live, FL Studio, Logic Pro, and Reaper.

Plugin Features

- **Text-to-Sound Generation**
Users can input a custom text prompt (e.g. *"kick drum with punch"*) to generate one-shot audio samples using our AI model. Each sound is automatically mapped across six octaves.
- **Instrument Selection Tags**
Users can guide generation by selecting from the following instrument categories: *Drums*, *Bass*, *Synth*, *Keys*, and *FX*.
- **DAW Integration**
Generated audio can be previewed inside the plugin and **dragged directly into the DAW timeline**, making it easy to compose and experiment with new sounds.
- **Cross-Platform Support**
The plugin runs on both macOS and Windows, providing accessibility to a wide range of music creators.

Example User Flow

1. Load the plugin in your DAW
2. (Optional) Select an instrument tag, e.g. *Bass*
3. Enter a prompt, e.g. *"bass with analog warmth"*
4. Generate a sound (rendered in six octaves)
5. Preview the audio
6. Drag and drop the sample into your DAW session

Demonstration Video

We've recorded a short demo video showing the plugin in use within a DAW environment:

 [Watch the demo](#)

This submission fulfills the milestone objective of delivering a working, cross-platform VST plugin for **Deep Noise Studio** (formerly *AI Song Starter*), providing an innovative and intuitive tool for music creation directly within the user's existing production setup.

Thank you for your review and consideration.