# **Functionality Enhancement and Feature Requests:** This theme includes requests for new features, improvements in functionality, and suggestions for adding new capabilities to the software. Codes related to this theme include:

1. Feature Implementation Requests (Code 1)
2. Feature Request - Functionality Enhancement (Code 13)
3. Feature Request: UI Enhancement
4. Feature Request: Audio Processing Enhancement
5. Feature Request: Accessibility Improvement
6. Feature Request: Announce Version in About Screen
7. Feature Request: Configuration File for Rack Mode
8. Feature Request: Improved ADSR Editing
9. JUCE Integration Update
10. Script Version Update with OSX Support
11. OSX Compatibility Confirmation
12. VST3 Port Request
13. Feature Request: Solo Functionality
14. Feature Request - Mix Groups
15. Feature Request - Preset Management
16. Feature Request - Input/Output Signal Visualization
17. Feature Request - Purpose of AUTHORING Mode
18. Feature Request - Square Waves for Operators
19. Feature Request - Parameter Automation
20. Feature Request - CLAP Plugin Version
21. Feature Request - Window Resizing Option
22. Feature Request - Velocity Adjustment for MOD OUT Amount
23. Feature Request - MIDI Controller Support
24. Feature Request - Add a Favorites Option for Modules
25. Feature Request - Automatic Fresh Binaries
26. Feature Request - Dependencies List
27. Feature Request - Single-Precision Optimizations
28. Feature Request - Touch Support on the Website
29. Feature Request (61, 76, 5, 9)
30. Module Suggestions (83)
31. License Recommendations (84)
32. Feature Requests (77, 23)
33. Feature request (4)
34. Feature request: Generic ADSR envelope generator
35. Feature request: Explore sonic character of simplex noise
36. Feature request: Implement Perlin noise warping
37. Feature request: Add pitchbend support
38. ADSR Envelope
39. Bitwig Integration
40. MIDI Control
41. Tuning and Voice Management
42. Audio Output
43. LV2 Plugin Development
44. Feature Requests
45. MIDI Control Feature Request
46. Packaging Request (Ubuntu/Debian)
47. Feature Requests
48. Packaging Issues
49. Feature Requests and Enhancements
50. Feature Requests
51. Feature Request: Mono Version
52. Feature Request: Parameter Naming
53. Feature Request: Wow Processing Enhancement
54. iOS Integration Request
55. Feature Request: Preset Navigation
56. Feature Request: Degrade Section Enhancement
57. Feature Requests
58. Request for 32-bit VST DLL
59. Request for Additional Knobs
60. Request for Additional Features
61. Feature Request - VCV Rack Portability
62. Feature Request - Frequency Response Control
63. Feature Requests (Code 24, 32, 40)
64. Request for ARM Support (Code 26)
65. Feature Request
66. Feature request - Tooltip support
67. Functionality Request
68. Feature Request: Standard and Advanced Mode
69. Software Configuration Suggestions (Code 7)
70. UI responsiveness (Code 22)
71. UI tweak suggestion (Code 26)
72. Hover effect suggestion for menu items (Code 28)
73. Feature Request: AppImage for Linux
74. Feature Request: Note Quantizer
75. Missing feature suggestion (Code 21)

# **Bug Reports and Issue Resolution:** This theme encompasses reports of issues, malfunctions, compatibility with various platforms, or anomalies within the software, as well as indications of their resolution or fix. Codes related to this theme include:

1. Bug Reports (Code 2)
2. Bug Report - Display Issue (Code 8)
3. Segmentation fault issue (SIGSEGV) (Code 15)
4. Window resizing issue (Code 16)
5. Dependency issue (Code 17)
6. Technical Issue: Bug Fixing
7. UI/UX Issue
8. KSL Bug in Opal
9. Carla Integration Issue (85)
10. Bug Report: Reaper Crash on Mac
11. Bug Fixing: Reaper Crash Resolution
12. Bug Report: Patch Loading Issue
13. Bug Report: Audio Distortion Issue
14. Plugin Version Information Issue (27)
15. Environment Setup (28)
16. Bug report: Negative array indexing in Noise::gen method
17. Bitwig Integration
18. MIDI Control
19. Tuning and Voice Management
20. Audio Output
21. LV2 Plugin Development
22. Bug Reports
23. MIDI Configuration Issues
24. Plugin Issues
25. HiDPI Support
26. Sound Quality Issues
27. Link Accessibility
28. Plugin Functionality
29. UI/UX Improvements
30. Standalone Application Issues
31. MIDI Control and Integration
32. GUI and UI Issues
33. Translation and Localization
34. Bug Reports
35. Packaging Issues
36. Installation Issue (Binary Location)
37. Crash Report (Reaper)
38. Translation Issue (Pot File Generation)
39. LV2 Plugin Loading Issue
40. MIDI Channel Issue
41. Bug Report - High CPU Usage
42. Bug Report - Loss Effect Units
43. Bug Report - Clicking Noise in Ring Modulators
44. Bug Report - Recording Failure in 4klang
45. Bug Report - Plugin Crash on Loading
46. Bug Report - GUI Crashing DAW
47. Bug Report - Patch Loading Issue
48. Bug Report - VST Automation Issue
49. Bug Report - Missing Pitch Bend Support
50. Bug Report - Plugin Crash on Loading
51. Bug Report - Decay Phase Issue
52. Bug Report - Envelope Adjustment Precision
53. Bug Report - 1-shot LFO Behavior
54. Bug Report - Crash on Wayland
55. Bug Report - Incorrect LFO Behavior
56. Bug Report - Theme Switching Issue
57. Bug Report - Ableton Crash on VST Click
58. Bug Report - Decay Phase Issue
59. Bug Report - Envelope Adjustment Precision
60. Bug Report - Plugin Load and Functionality Issues
61. Bug Report - GUI and Display Issues
62. Bug Report - Assertion Failure
63. Bug Report - MIDI Issue
64. Bug Report - Save/Load Issue
65. Compatibility Issues
66. Bug Report - Scrolling/Crash Issue (Module List Window)
67. Bug Report - Keyboard Input Issue
68. Bug Report - OSDialog Issue
69. Bug Report - Bitwig UI Integration Issue
70. Bug Report - Polyphony Issues
71. Bug Report - Plugin Load and Functionality Issues
72. Bug Report - GUI and Display Issues
73. Bug Report - License and Legal Issues
74. Performance Issue (Cardinal)
75. Audio/Output Issue
76. Video Playback Issue
77. Scrolling Functionality Issue
78. Crash (Bitwig)
79. GUI/UI Issue
80. Functionality Issue (Clock Sync)
81. Project Reload Issue (Reaper)
82. Documentation Issue
83. Library Integration Issue
84. Assertion Failure
85. Scrolling/Crash Issue (Module List Window)
86. Keyboard Input Issue
87. OSDialog Issue
88. Bitwig UI Integration Issue
89. Dependency Issues
90. Bug Reports
91. Licensing Issues
92. Functionality/Usage Issues
93. GUI/Display Issues
94. Performance Issues
95. Standalone Issues
96. Integration Issues
97. Polyphony Issues
98. Plugin Load and Functionality Issues
99. GUI and Display Issues
100. License and Legal Issues
101. Equalizer APO Plugin Loading Issue (Code 2)
102. Stereo Output Configuration Issue (Code 3)
103. Platform-Specific Plugin Availability Inquiry (Code 4)
104. OBS Interface Issue (Code 5)
105. Equalizer APO Setting Display Issue (Code 6)
106. Expired Artifacts Issue (Code 1)
107. Plugin Usage and Installation (Code 28)
108. Issue Description (29)
109. Reference to GitHub Issues (31)
110. Font Installation (32)
111. Parameter Automation (34)
112. SFZ Auto-Reloading (35)
113. Visual Issues (36)
114. File Installation Issue (39)
115. Dependency Installation
116. Source Directory Cleanliness
117. X Error Handling
118. Lintian Missing Source Warning
119. JUCE Cloning
120. Debugging Command Line
121. ADLplug Usage Instructions
122. Savi State Saving
123. File Reference
124. Dependency Issues
125. Packaging Issues
126. Testing and Deployment
127. UI Scaling Issue
128. Phase Issue with Dry/Wet Knob
129. Version Number Display Issue
130. Bug Report - Slider Behavior
131. Bug Report - Ableton Live Crash
132. Bug Report - Broken Download Link
133. Stability/Performance Issues (68, 3, 43)
134. Dependency/Installation Issues (69, 5, 7)
135. Environment Configuration Issues (71)
136. Versioning/Release Issues (72)
137. Documentation Issues (75, 24)
138. Assertion Error (91)
139. Error Handling (30)
140. CMake Integration (32)
141. Dependency Management (35)
142. Bug Reports (38, 43)
143. Usage and Utility (40)
144. Technical References (41)
145. Bug Reproduction Procedure - Reaper macOS
146. Linux Installation Issue with GLIBC Version
147. JSON Configuration Loading Issue
148. Reaper Automation Quirks Observation
149. Arch Linux Installation Issue
150. JUCE Web Browser Dependency Issue
151. OSC Issues in Version 1.5.0
152. Decoder Magnitude Measurement Discrepancy
153. SPARTA Plugin Debugging Error
154. Crash Reports
155. Configuration Issues
156. Performance Concerns
157. Testing and Verification
158. GUI and UI Issues
159. Miscellaneous
160. Dependency Management
161. Dependency Management - SDK Compatibility
162. Program Bug
163. Bug Fixing: Preset Loader Issue
164. Bug: CLAP Note Dialect Issue
165. Bug: Scene LFO Decay Issue
166. Dependency Bug
167. Bug: Velocity 0 Note Off Issue
168. Bug: Filter Analysis Window Issue
169. Bug: Surge Crash on Patch Save
170. Bug: Surge VST3 Silent Issue
171. Bug: Impulse Wavetable Crash
172. Bug: Surge VST3 Exciter Issue
173. Bug: Surge XT Skin and Filesystem Issue
174. Bug: Filter and Amp EG UI Issue
175. Bug: Step Sequencer Modulator Issue
176. Bug: Oscilloscope Button Issue
177. Bug: Surge GUI Resize Issue
178. Graphical glitch issue (Code 19)
179. Cursor warping issue (Code 20)
180. Banding issue with gradients (Code 23)
181. DC offset concern (Code 25)
182. Reporting a recurring issue (Code 29)

# **Community and Communication:** This theme involves actions or discussions related to community engagement, communication channels, and collaboration tools. Codes related to this theme include:

* 1. Creation of Gitter Chat Room (Code 2)
  2. French Canadian Keyboards

# **Build and Compilation Issues:** This theme involves errors or difficulties encountered during the build and compilation process of the software or plugins. Codes related to this theme include:

1. Compilation Issue (Code 8)
2. Build System Issue (Code 14)
3. Compilation and Build Errors (Code 38)
4. Platform-Specific Issues (37)
5. Plugin Usage and Installation (Code 28)
6. MIDI Usage on Windows (40)
7. Compiler Panic with Group Nodes (43)
8. Compilation errors
9. Compiler Support
10. Compiler and Environment Information
11. Build issue: LinuxMakefile compilation error
12. Bug Report - Build Failure on Nightly Cargo Toolchain
13. Build/Installation Issue
14. Building Cardinal
15. Installation/Build Issues
16. Build Error (Windows)
17. VST3 Build on Raspberry Pi (33)
18. Build Configuration (38)
19. Build Configuration
20. Build Error on Raspberry Pi
21. Build Errors/Issues
22. Build Error on Linux GCC
23. Build/Compilation Issues (67, 8, 39, 44, 47)
24. Documentation and Build Script Issues
25. Building and Compilation Issues (Code 20)
26. OS Compatibility (FreeBSD/TrueOS)
27. Compilation Issues
28. Compatibility Issue (VST Plugin)
29. Compilation Error
30. Plugin Compilation Failure
31. Bug Report - Compilation Error (Linux Specific)
32. Bug Report - Compatibility Issues (macOS)
33. Compatibility Issue (Bitwig, Ableton, Reaper)
34. Compatibility Issues
35. Compilation Error (Linux Specific)
36. Compatibility Issues (macOS)
37. Compilation Error (Windows)
38. Compatibility Issues (Code 11)
39. Compatibility Issues with Applications (Code 22)
40. Compatibility/Installation Issues (Code 36)
41. Compatibility and Platform Support (Code 30)
42. Bitwig Compatibility Issue (Code 3)
43. VST2 Compilation
44. Compiler Configuration
45. Compilation Errors
46. Compatibility/Platform-specific Issues
47. Compatibility Issues (70, 4, 22)
48. Compilation Error - LTO Version Mismatch
49. Compilation Issues
50. Compatibility Issues
51. Compatibility Issues
52. JUCE Version Upgrade (Code from OS-251 issues)
53. Dependency Update (Code from OS-251 issues)
54. Webpack Dependency Update (Code from OS-251 issues)

# **User Feedback, and Documentation Clarifications:** This theme includes user feedback and requests for clarification or improvement in documentation. Codes related to this theme include:

1. Default Settings (Code 10)
2. Documentation Issue (Code 15)
3. Implementation clarification
4. Documentation Clarification (Code 41)
5. User Interface/Experience Improvement (Code 3)
6. Documentation improvement suggestion
7. User Interface Issue (4)
8. Makefile suggestion
9. Installation and Setup
10. UI Contrast and Element Differentiation (21)
11. Node Name Correction (15)
12. General Comments/Questions
13. Performance Optimization
14. SV Filter Behavior (16)
15. Documentation/Configuration Issues
16. Review Request
17. Delay due to Enjoyment
18. Request for Review
19. Installation Guide Suggestion
20. Neural Network Porting Suggestion
21. Artifact Report with Chimes Sounds
22. Feedback on Wow and Flutter
23. Feedback on Hysteresis Clicks
24. Documentation/Configuration
25. Testing and Deployment
26. Compatibility/Platform-specific Issues
27. General Comments/Questions
28. User Interface/Experience (UI/UX) Issues (66, 6, 18, 26)
29. UI Rendering Issue (87)
30. UI Redesign Inquiry (18)
31. Display Issues (20)
32. Manual Changes Needed (40)
33. MIDI Features and SysEx (46)
34. Sysex Handling (48)
35. Issue with Opening Axiom UI (17)
36. Node Value Display Anomaly (25)
37. Portal Controls Visualization (27)
38. Parameter Allocation Uncertainty (28)
39. Crash on Connecting Index Node (29)
40. DAW Integration Consideration (30)
41. Axiom Loading Error in FL Studio (32)
42. Documentation Issue
43. Compilation Issues
44. Compatibility Issues
45. Documentation and Build Script Issues
46. Testing and Verification
47. Compatibility Issues
48. Miscellaneous
49. Documentation maintenance suggestion
50. Website maintenance suggestion
51. GUI layout proposal
52. Software usage issue identification
53. Feature implementation announcement
54. Code renaming for generic modules
55. Request for confirmation
56. Donation support acknowledgment
57. Algorithm issue - Delay parameters
58. Code implementation - DfxGuiEditor::copySettings
59. Documentation addition
60. Noise Suppression Configuration (Code 27)
61. Usage/Configuration Queries (Code 39)
62. Patch and Update Related (Code 25)
63. GitHub Actions Fix (Code from OS-251 issues)

# **Code Changes and Optimization:** This theme includes code changes, code fixes, code optimization, and code-related errors. Codes related to this theme include:

1. Mathematical Equation: Presentation Slide
2. Code Optimization: Variable Usage
3. Code Revision: Variable Reset
4. Algorithm Question
5. Coredump
6. Code Modification
7. Prebuilt JavaScript Object
8. Default Value Assignment
9. Source Directory Cleaning
10. X Error Handling
11. Command Line Information
12. Code optimization
13. Code Segmentation Fault Fix
14. Code Contributions/Version Control Issues (74)
15. Code Modification (31)
16. Code Refactoring (36)
17. Code Source and Attribution
18. Parameter Separation
19. Hex Code Request
20. Code cleanup
21. Unused sqlite features removal

# **Development Discussions:** This theme includes codes related towards development discussions such as TODO lists, help wanted or development updates. Codes related to this theme include:

* 1. Technical issue identification
  2. Compiler warning investigation
  3. Bug reports
  4. Module Comparison
  5. Logging Features
  6. UI Changes
  7. Transmission of Programs UI to RT by FIFO
  8. Comparison with Other Software
  9. DRO2MIDI Solution
  10. Integration Request
  11. DAW Reproduction Issue
  12. Tooltip Enhancement
  13. Usage of Emulators
  14. Git Clone Instructions
  15. CPU Usage Issue in DAW
  16. Technical Details (30)
  17. TODO List
  18. Applying Instrument Changes
  19. UI Enhancement
  20. RT Update Requirements
  21. Macro definition issue
  22. Issue Fixes
  23. Randomization algorithm update
  24. Stereo vs. mono output
  25. Version metadata management