**Project View - Overview Panel**

**📟 Project Info Section**

* **Project Name**: Editable text box
* **Description**: Multi-line text field for describing the project
* **Tags / Notes** (optional): Useful for organizing or searching later

**📁 Audio Files (Assets)**

* Displays a list of all imported or linked audio files
* Each entry shows:
  + File name
  + Duration
  + Sample rate
  + Checkbox: For testing / output
  + Buttons: Play | Delete
* Includes a drag-and-drop zone to add new files
* Potential for waveform preview inline

**🎹 Effects Modules List**

* Each module represents a reusable, configurable DSP unit
* List shows:
  + Module Name
  + Description
  + Key parameter summary (e.g., "Compressor: Thresh -10, Ratio 4:1")
  + Buttons: Edit | Export | Duplicate | Delete
* Can include grouping or tagging (e.g., "Glitch FX", "Bass Enhancer")
* Option to add a new module with [+ Add New Module] button
* Supports exporting individual modules as .dspchain or .dspmod

**📂 Project File Format (.dspproj)**

**🔬 Structure Summary**

* JSON-based
* Stores:
  + Project name, description, tags
  + Audio file list with usage tags
  + Effect modules: either embedded inline or referenced from reusable module directory

**📊 Example**

{

"projectName": "Laser Pulse FX",

"description": "Designing a sci-fi UI click and pulse with layered effects.",

"audioFiles": [

{

"filename": "pulse.wav",

"path": "assets/pulse.wav",

"useFor": "output"

},

{

"filename": "test\_click.wav",

"path": "assets/test\_click.wav",

"useFor": "test"

}

],

"effectsModules": [

{

"name": "Click Smoother",

"description": "Compressor + EQ to smooth test clicks",

"source": "inline",

"module": {

"type": "Compressor",

"params": {

"threshold": -10,

"ratio": 4.0,

"attack": 5,

"release": 50

}

}

},

{

"name": "LaserZap Gen",

"description": "Reusable FX layer with sweep and burst noise",

"source": "external",

"path": "~/Documents/Sower/modules/LaserZap.json",

"localCopy": false

}

],

"settings": {

"bitDepth": 24,

"sampleRate": 44100,

"tags": ["sci-fi", "UI", "pulse"]

}

}

**🤔 Behavior Rules**

* source: "external" = Load from referenced file path
* source: "inline" = Fully embedded in the project file
* localCopy: true = Originally external, now copied into project for editing

**📤 Save & Export Notes**

* Users choose whether to embed or link modules
* Modules can be exported to a known folder (~/Documents/Sower/modules/)
* Embedded modules can be copied back out to reuse in other projects

**Visual Layout (Mock View)**

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| Project Name: [\_\_\_\_\_\_\_\_\_\_\_] |

| Description: [Write about this sound idea...] |

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| 🎵 Audio Files: |

| [✓] glitchloop.wav (00:03.24) [Play] [Del] |

| [ ] laserburst.wav (00:01.15) [Play] [Del] |

| [+ Add File] |

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| 🧹 Effects Modules: |

| [Compressor FX] Thresh -10, Ratio 4:1 |

| [Edit] [Export] [Duplicate] [X] |

| [LaserZap Gen] Sweep 12k-500Hz, Burst ADSR |

| [Edit] [Export] [Duplicate] [X] |

| [+ Add New Module] |

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