

!!! info inline end ""

!!! danger ""

```
**Programming Language:** C
**Version Control:** Git
**Build System:** GNU Make
**AST VISUALIZER:** Graphviz
```

Tech Stack

!!! warning ""

Other than the above mentioned tools, we have also used libraries like NCurses to build the UI.

```
VIREX
├─ build/
├─ docs/
documentation
├─ examples/
├─ extras/
├─   └─ orin_grammar.txt
(PROTOTYPE)
├─ html/
documentation website
├─ include/
SASM, OCC
├─ install.sh
linux
├─ LICENSE
├─ Makefile
occ, html, clean
├─ mkdocs.yml
├─ README.md
├─ requirements.txt
mkdocs
├─ src/
(VM, assembler, compiler)
├─ tests/
written in SASM
├─   └─ tools/
├─     └─ fonts/
├─       └─ EnvyCoder/
building TUI
├─   └─ themes/
├─     └─ kitty/
used when building TUI
```

Reference

Sample programs

Grammer for ORIN

Latest Build of the

Public headers for VM,

Install script for

GPL-3

RULES: virex, sasm,

requirements for

Core implementation

Simple Test programs

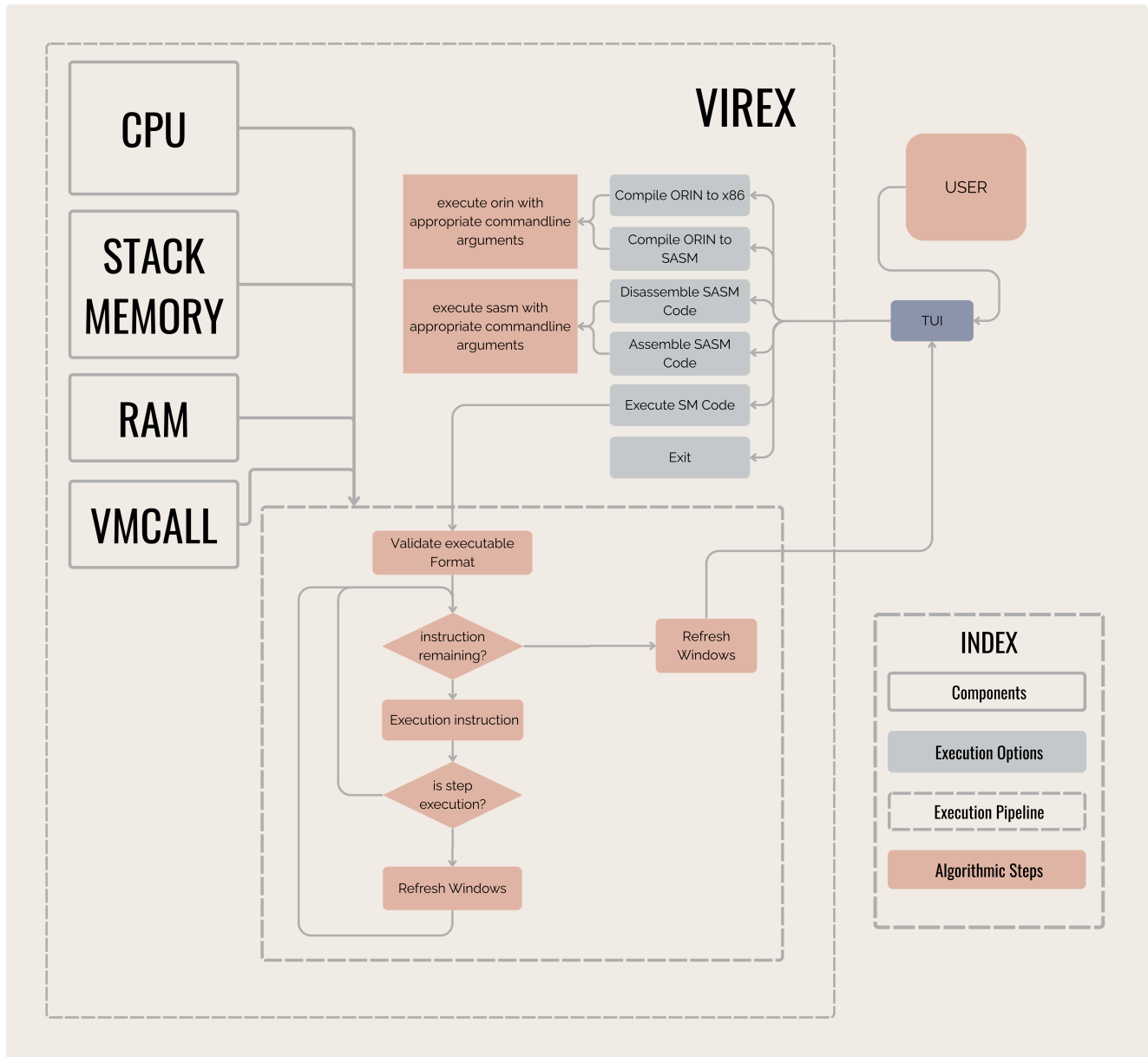
font used when

kitty terminal conf

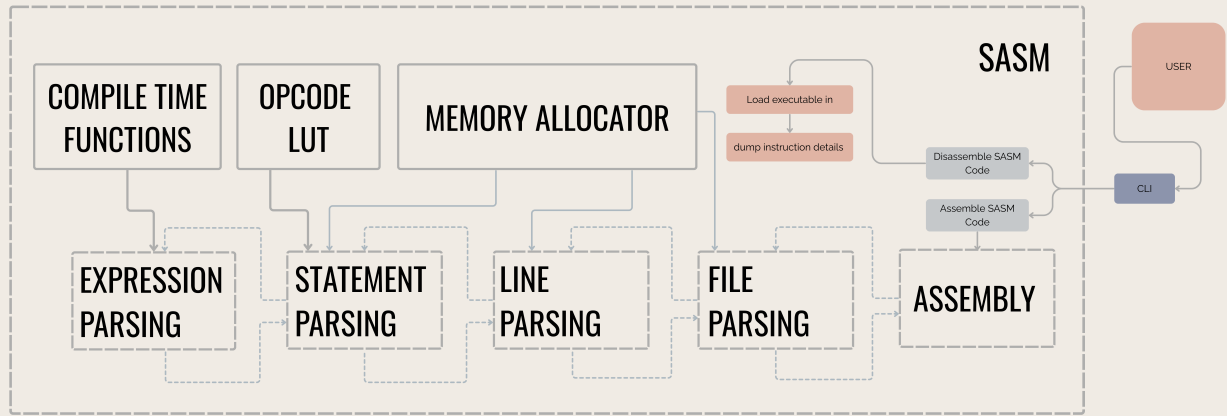
```
└─ vs_code/
   └─ sasm_syntax_highlight/      # VS Code syntax
highlighter
```

Architecture

VIREX



SASM



Individual Components of SASM

