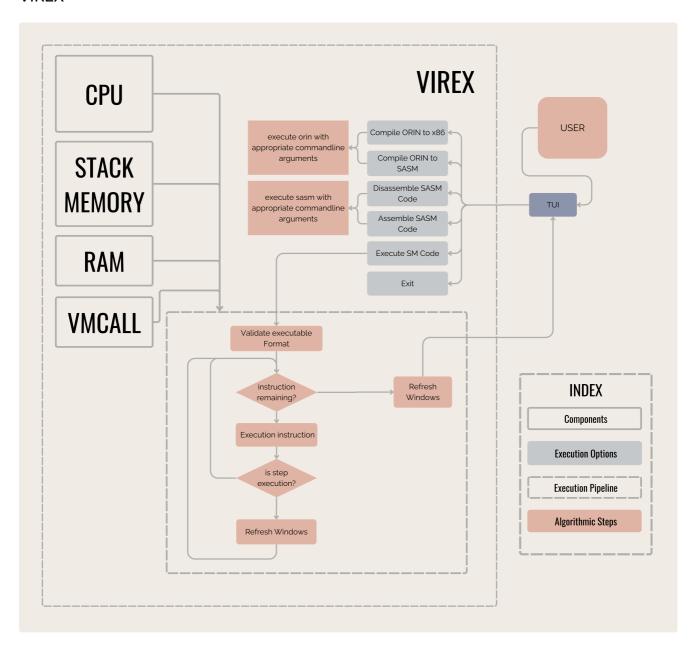
```
!!! danger ""
    **Programming Language:** C
    **Version Control:** Git
    **Build System:** GNU Make
    **AST VISUALIZER:** Graphviz
Tech Stack
!!! warning ""
Other than the above mentioned tools, we have also used libraries like
NCurses to build the UI.
```

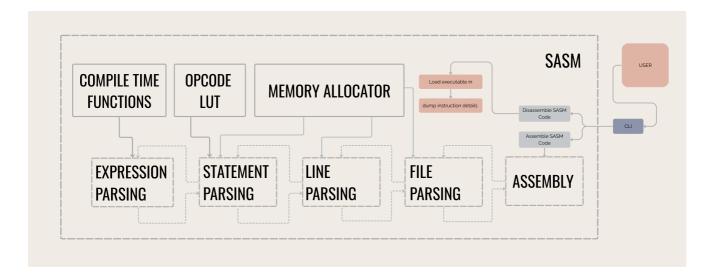
# 📦 Project Structure

```
VIREX
├─ build/
├─ docs/
                                               # Reference
documentation
                                               # Sample programs
— examples/
├─ extras/
   └─ orin_grammar.txt
                                               # Grammer for ORIN
(PROTOTYPE)
                                               # Latest Build of the
├─ html/
documentation website
                                               # Public headers for VM,
├─ include/
SASM, OCC
├─ install.sh
                                               # Install script for
linux
                                               # GPL-3
├─ LICENSE
├─ Makefile
                                               # RULES: virex, sasm,
occ, html, clean
├─ mkdocs.yml
  README.md
├─ requirements.txt
                                               # requirements for
mkdocs
├─ src/
                                               # Core implementation
(VM, assembler, compiler)
                                               # Simple Test programs
├─ tests/
written in SASM
└─ tools/
    ├─ fonts/
    # font used when
building TUI
    └─ themes/
```

## Architecture

### **VIREX**





## Individual Components of SASM

