Single-Pass System Template

This document provides a detailed template outlining the single-pass system for rifting from Riftlang through LibRift to Gosilang, all linked with a Nexus linker.

1. Riftlang to LibRift Rifting

This section describes the process of rifting from Riftlang to LibRift.

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Step	Description	Input	Output
1	Initiate Riftlang parser	Riftlang code	Parsed Riftlang object
2	Translate to LibRift representation	Parsed Riftlang object	LibRift compatible data structure
3	Verify data integrity	LibRift data structure	Verification report
4	Store in LibRift database	Validated LibRift data	Database entry

2. LibRift to Gosilang Transformation

This section details the transformation process from LibRift to Gosilang.

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- **Substep 1:** Data retrieval from LibRift.
- **Substep 2:** Data transformation to Gosilang format.
- **Substep 3:** Validation of Gosilang data.

3. Linking with Nexus Linker

Here, we explain how the Nexus linker connects all components.

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Component	Linking Process	Dependency	Status
Riftlang	Connect via Nexus API call	Nexus Linker API	Active
LibRift	Link database with Nexus	Nexus Database Connector	Connected
Gosilang	Integration through Nexus adapter	Gosilang Nexus Adapter	Pending

4. Testing and Validation

This part outlines the testing and validation procedures.

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1. Unit testing of each component.
2. Integration testing of the entire system.
3. Performance testing under load.