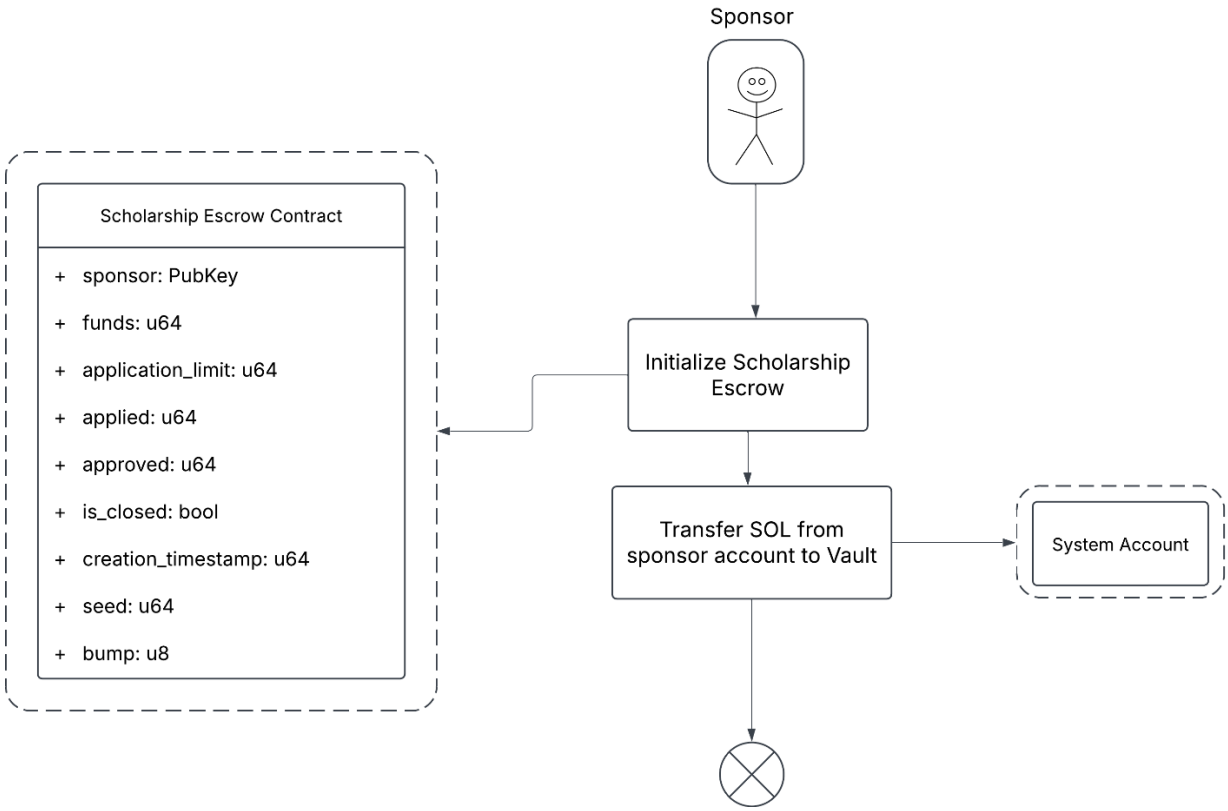
Scholar Trust Architecture Design

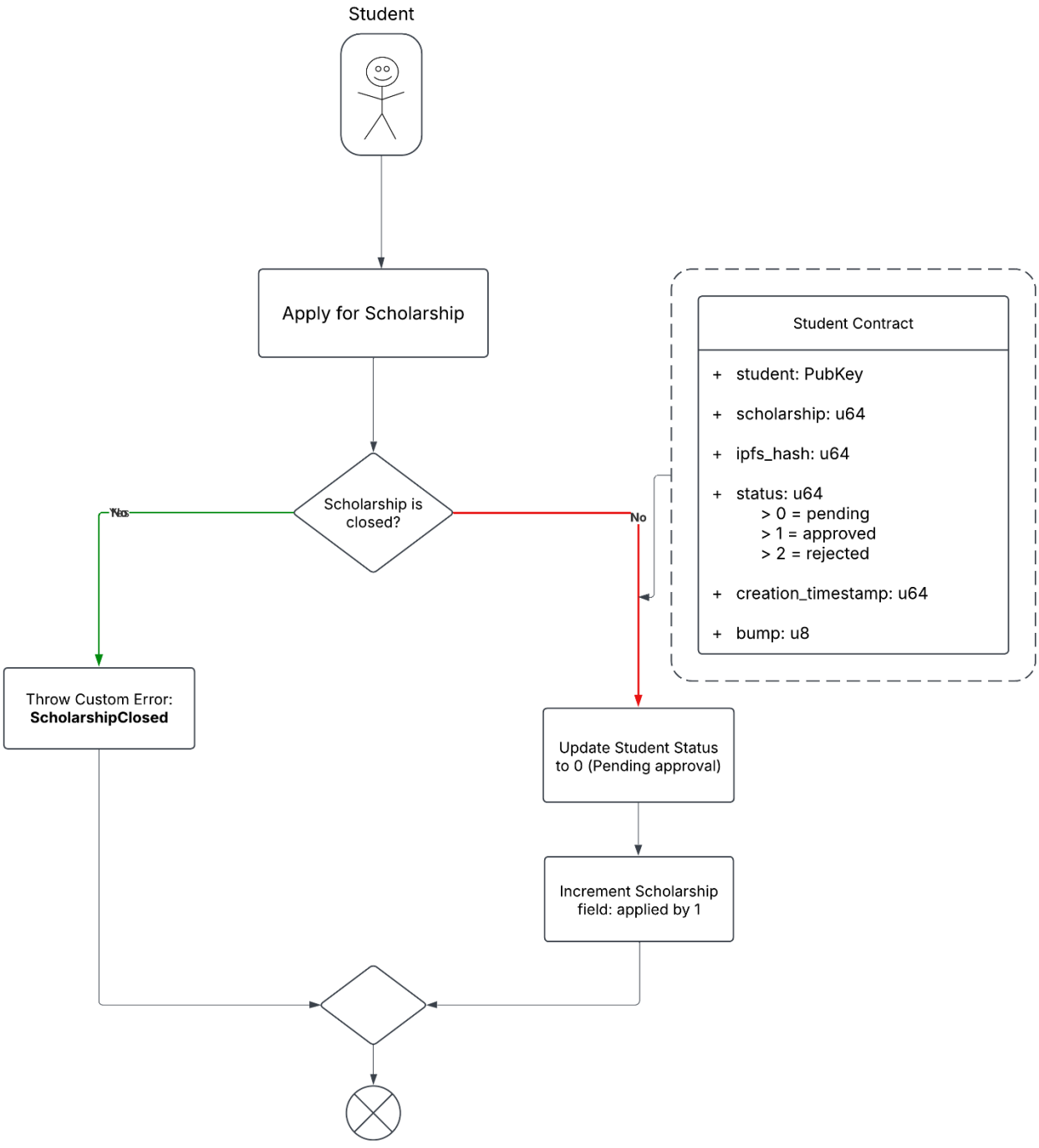
Overview:

Project Overview
1) Sponsor creates scholarship with agreed amount and application limit. 2) Student apply for scholarship with IPFS Hash containing their education certificates or credentials. 3) Sponsor approves student's application. 4) Sponsor reject student's application. 4) When approved number of students equals application limit, funds are automatically disbursed to approved students equally. 5) Scholarship account closed.

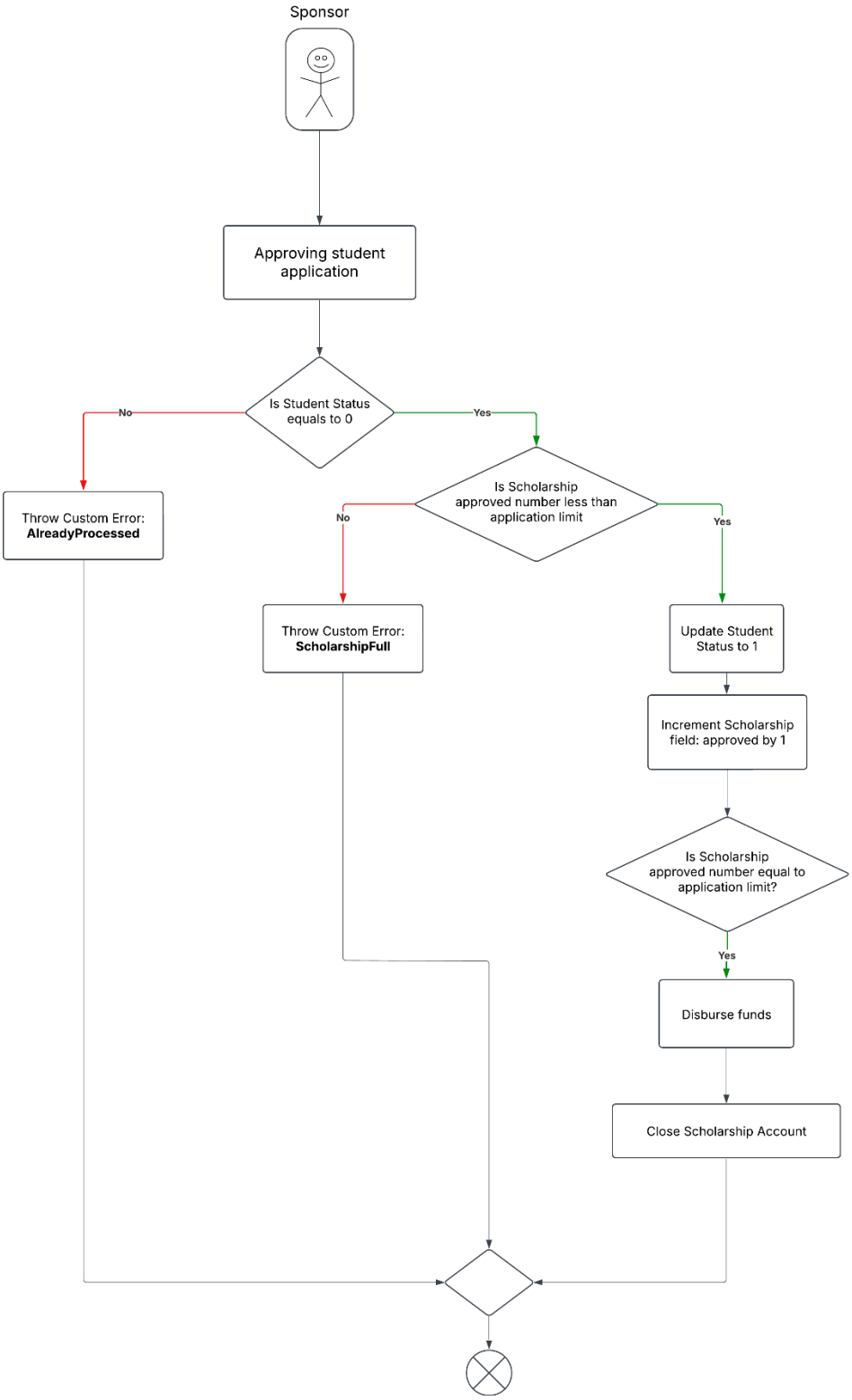
Create Scholarship



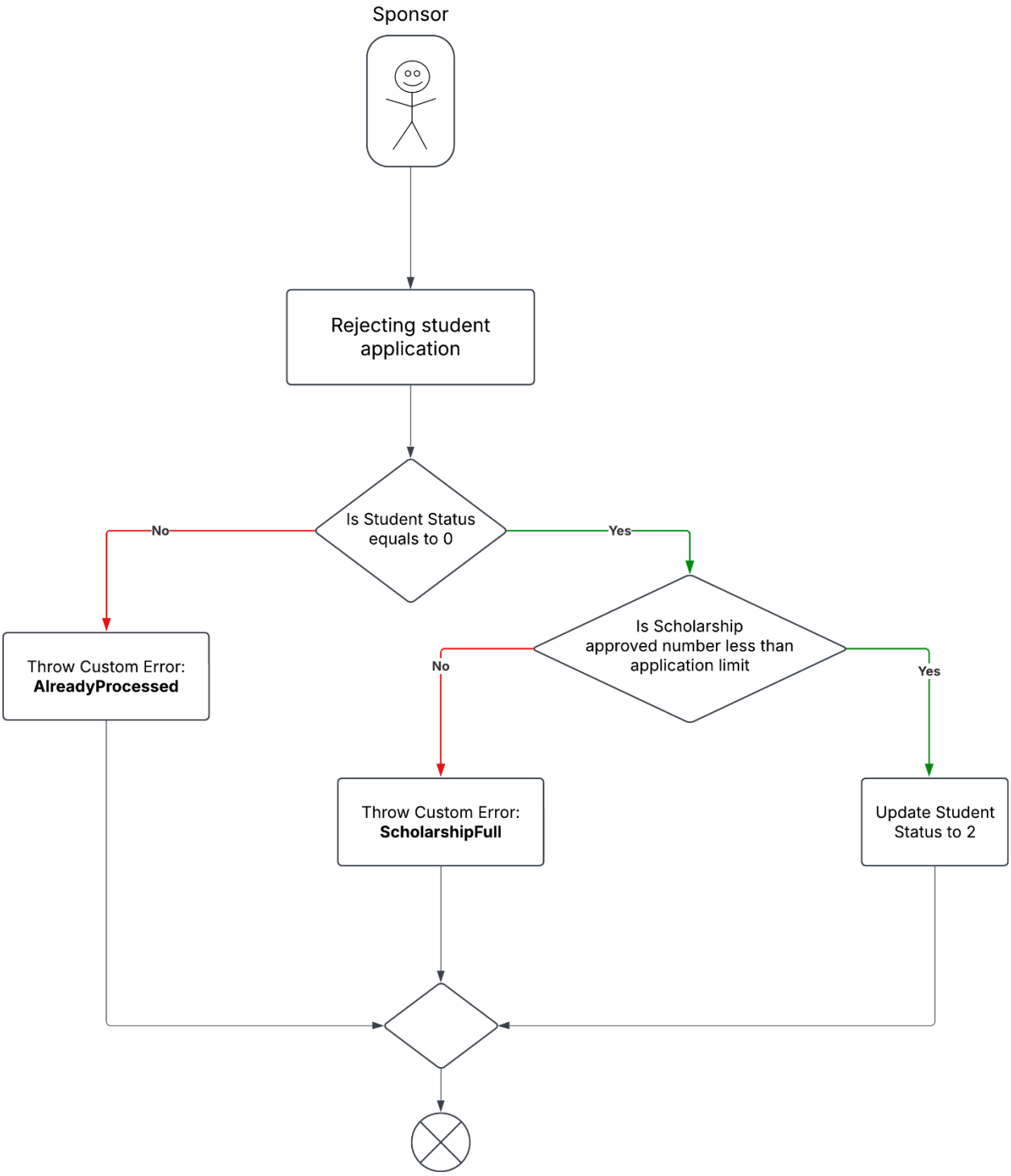
Apply for Scholarship



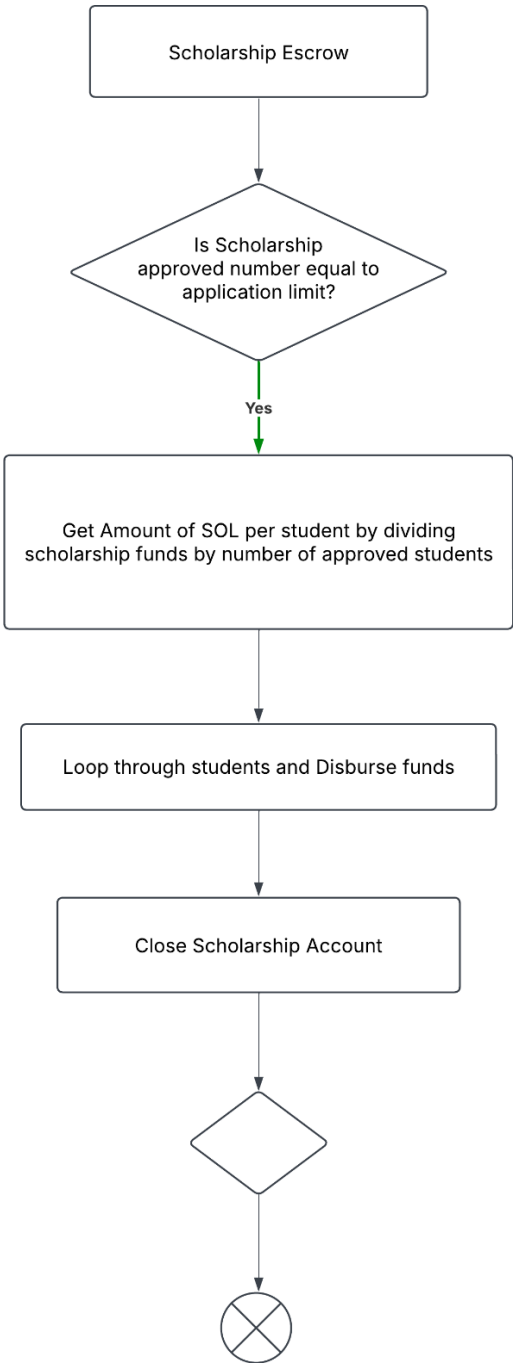
Approve Student Application



Reject Student Application



Disburse Funds



End-to-End Overview

- The sponsor creates an **escrow account** and sets the application limit and amount to be deposited.
- Sponsor deposit SOL which will be stored in a **Vault.**
- Students apply for scholarships creating a **student contract** bonded with the scholarship applied.
- Sponsor approves student application by setting student status to **1**.
- Sponsor rejects student application by setting student status to **2**.
- When the number of approved students reaches the application limit set in the escrow, the **escrow** automatically sends SOL from the **vault** to the approved student's account.
- The **escrow** account will be **closed** after disbursement.