Robustness Diagram: Generate Report

Group: G25

Legend:

Boundary   Entity (Data)

Control (Logic)   Actor

Reports Dashboard

Report Generator

Transaction History

Librarian

Report Criteria Form

Data Aggregator

Book Inventory

Flow →   Report Viewer

Report Formatter

Member Records

Interaction Flow:

- Librarian accesses reports module
- Librarian selects report type and filters
- System collects data from multiple sources
- System aggregates and formats report
- System displays formatted report
- Librarian exports report (PDF/Excel)

Fine Records

Library Management System - Object-Oriented Design by Prof. Walt Melo