Education & Scholarship Finder

A Java-based application designed to simplify the process of finding global education opportunities for students.

Vision: Accessible Education for All

Accessibility

Education should be accessible to everyone, regardless of financial background or location.

Simplification

This project aims to simplify the process of finding scholarships and university programs.

Key Goals

Centralized Platform
Provide a single platform for finding scholarships and university programs.

Real-time API Data
Ensure accurate, up-to-date results using real-time API data.

Filtering Options
Filter by country, eligibility, field of study, and funding.

Scalable System
Build a scalable system that can integrate more features over time.

Tech Stack: Building the Foundation

- **Programming Language/UI:** Java/Java Swing

- **JSON Parsing:** Gson / Jackson

- **API Requests:** OkHttp / RestTemplate

- **Development Tools:** Visual Studio Code

Core Functionalities: Empowering Students

Scholarship Search

Find scholarships based on user input.

University Programs

Get details on courses, fees, and admission requirements.

Filtering and Sorting

Narrow results by country, degree level, or amount.

Real-time Data Retrieval

Fetch up-to-date information from education-related APIs.

Expected Results: A Powerful Tool

Real-time Data

Fetch real-time education data via APIs.

Search & Filtering

Allow search and filtering for scholarships and university programs.

Detailed Information

Display detailed scholarship eligibility, deadlines, and funding details.
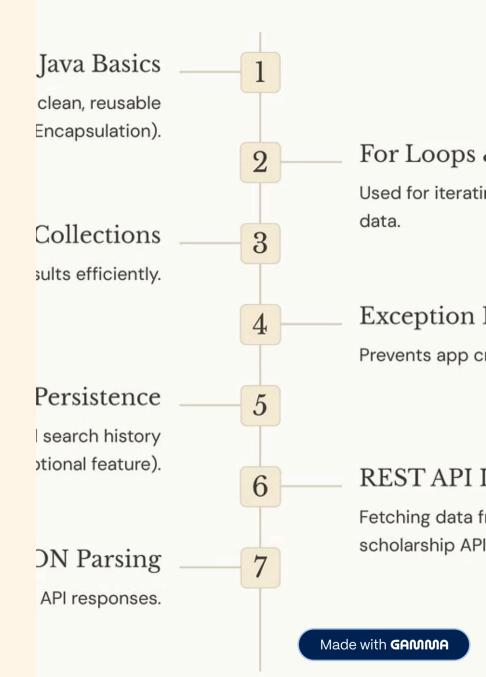
Functional Application

A fully functional Java application with clean code and documentation.

Java Concepts: Building Blocks of Success

The application leverages core Java concepts to ensure a robust and efficient system.

Java Basics — 1
clean, reusable
Encapsulation).

2 — For Loops
Used for iterati
data.

Collections — 3
sults efficiently.

4 — Exception
Prevents app c

Persistence — 5
search history
ptional feature).

6 — REST API I
Fetching data f
scholarship API

ON Parsing — 7
API responses.

Improvements: Expanding Horizons

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User Profiles

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AI Recommendations

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Community Forum

Future enhancements include user profiles, AI-powered recommendations, a mobile app version.