Education System Activity Diagram Documentation

Purpose:
This activity diagram represents the primary operations of an education system, showing the flow of key activities including enrollment, attendance management, student evaluation, report generation, and finance management. It also highlights critical decision points that affect the flow of activities.

Actors (Implicit):

- Admin

- Teacher

- Accountant
  (All roles are combined under the general "Education System" view for simplicity.)

Activities:

1. **Enroll Students/Staff** – Admin enrolls new students and staff into the system.

2. **Record Staff Attendance** – Attendance of staff members is recorded.

3. **Keep Student Attendance** – Teachers track daily student attendance.

4. **Evaluate Student Performance** – Conducted only if attendance is complete.

5. **Generate Reports/Notices** – Reports and notices are generated based on student and staff data.

6. **Manage Student Finance** – Processed only if student fees are paid.

7. **Manage Staff Finance** – Handles payments and financial records for staff.

Decision Points:

- **Attendance Complete?** – Determines if student performance can be evaluated.

- **Student Fees Paid?** – Determines if student finance management proceeds.

Flow Description:

1. The system starts with enrollment and staff attendance recording.

2. Student attendance is maintained, and if complete, student performance evaluation occurs.

3. Reports and notices are generated based on available data.

4. Finance operations depend on fee payments; staff finance management occurs unconditionally.

5. The process ends after completing all critical operations.

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        ┌───────────────────────┐
        │  Enroll Students/Staff │
        └───────────────────────┘
                    │
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        ┌───────────────────────┐
        │ Record Staff Attendance│
        └───────────────────────┘
                    │
                    ▼
        ┌───────────────────────┐
        │ Keep Student Attendance│
        └───────────────────────┘
                    │
                    ▼
        ◁────────────────────────▷────────────┐
          Attendance Complete?                 │
                    │ Yes                       │
                    ▼                           ▼
        ┌──────────────────────────────┐
        │ Evaluate Student Performance │
        └──────────────────────────────┘
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                    ▼
                  ◇─────────────────────────────┘
                    │
                    ▼
        ┌───────────────────────┐
        │ Generate Reports/Notices│
        └───────────────────────┘
                    │
                    ▼
        ◁────────────────────────▷────────────┐
          Student Fees Paid?                   │
                    │ Yes                       │
                    ▼                           ▼
        ┌───────────────────────┐
        │ Manage Student Finance │
        └───────────────────────┘
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                  ◇─────────────────────────────┘
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        ┌───────────────────────┐
        │  Manage Staff Finance  │
        └───────────────────────┘
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