

| DFD level 1 | University Management System Explained |
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| 1.0 University Management System (Dispatcher/Controller) | This acts as the entry point. It receives the initial Student Registration Course request, sends an acknowledgment (Acceptance Message) to the student, and notifies the Admin (Registration Message). It then splits the data, sending course-related info to Process 2.0 and financial info to Process 3.0. |
| 2.0 Update Course | Receives "Course Changing" data. It processes this information and formats it to be stored in the database. |
| 3.0 Update Payment Data | Receives "Payment Data." It processes the financial transaction details and formats them for storage. |
| 4.0 Produce Management Reports | This process queries the database to generate summaries. It pulls daily activity logs and compiles them into Management Reports for the University Management entity. |
| D1 Payments Data | Stores the "Formatted Payments" data. |
| D2 Course Data | Stores the "Formatted Course Change" data. |
| Flow Logic | The flow represents a standard Input Process Storage Reporting cycle: Data enters via Process 1.0. It is split and processed by 2.0 (Academic) and 3.0 (Financial). It rests in Data Stores D1 and D2. Process 4.0 retrieves this stored data to create insights for management. |