Project: EduLink Student & Course Management System

Phase 10: Final Presentation & Demo Day

Goal: To formally present the completed EduLink system to all key stakeholders, demonstrate how the solution fulfills the objectives outlined in the initial problem statement, and achieve final acceptance of the project's development phase.

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1. Stakeholder Presentation

The final presentation serves as the official demonstration of the EduLink system. The primary objective is to walk stakeholders through the key features, automations, and analytics capabilities that have been built. This session is designed to validate the solution against the initial business requirements and gather final feedback before project sign-off.

2. Live Demonstration Agenda

The live demonstration will be structured to showcase the end-to-end student and administrative lifecycle within the new system. The agenda is as follows:

- **Introduction:** A brief overview of the initial problem statement and the high-level solution provided by the EduLink system.
- **Backend Automation Engine:** A look into the Flow Builder to demonstrate the "Lead Application Processing" flow that automates the initial handling of new student applications.
- **Security & Data Visibility:** An explanation of the Role Hierarchy and how it ensures users only see the data relevant to their position.
- **Custom Backend Logic:** A brief showcase of the Apex Classes that power the system's unique business logic for tasks like bulk enrollments and safe data handling.
- **The Unified Student View:** A demonstration of a student's 360-degree view on the custom Contact record page, showing all related enrollments and progress records .
- **Internal Process Automation:** A walkthrough of the multi-step "New Course Approval" process, highlighting how it streamlines administrative tasks and ensures data integrity .
- **Analytics & Strategic Insights:** A presentation of the "EduLink Student Overview" dashboard, showing how management can monitor key metrics in real-time.
- **Conclusion & Next Steps:** A summary of the project's success and a look at the future roadmap.

3. Key Features Demonstrated

The presentation will highlight the following core functionalities implemented throughout the project:

- **Automation Suite:**
  - **Lead Application Processing:** A record-triggered flow automatically routes new student applications based on their source.

- o **New Student Onboarding:** A process that automatically sends welcome emails and creates follow-up tasks for every new student.
  - o **Course Approval Process:** A multi-step approval process that manages the lifecycle of new course offerings from submission to activation .
- **Security & Access Control:**
  - o **Role Hierarchy:** A structured hierarchy that models the organization's structure to control data visibility and reporting roll-ups.
  - o **Profiles & Permission Sets:** Custom profiles and permission sets that define granular object and field-level access for different user groups like "Admissions Staff" and "Course Instructors".
  - o **Organization-Wide Defaults (OWD):** A private data model for sensitive student records (Contacts) to ensure a secure baseline .
- **Custom Development & User Interface:**
  - o **Apex Classes:** Custom backend logic written in Apex to handle complex business processes such as `EnrollmentManager` for bulk record creation and `SafeDataManager` for robust error handling.
  - o **Customized Record Pages:** Tailored page layouts for key objects like Students and Courses to display the most relevant information and related lists.
  - o **Dashboards & Analytics:** A dedicated "EduLink Student Overview" dashboard with components that provide real-time insights into student and enrollment metrics .

4. Future Roadmap & Recommendations

Based on our project plan, the following components have been designed and are recommended for future implementation phases to further enhance the EduLink system. As previously discussed, these items were saved for a future release:

- **Advanced Deployment Strategy:** Adoption of a source-driven development lifecycle using the **ANT Migration Tool** and **VS Code with SFDX** for more robust and scalable deployments.
- **Metadata Deployment:** Utilization of **Change Sets** for migrating metadata between sandbox and production environments.
- **System Integrations:** Configuration of integrations with external student information systems using Salesforce APIs, **Platform Events**, and **Salesforce Connect**.
- **User Interface Enhancements:** Configuration of the **Utility Bar** in the Lightning App to provide users with quick access to common tools and components.

5. Project Sign-off & Conclusion

The EduLink Student & Course Management System has successfully met the objectives defined in the initial problem statement. The project has delivered a centralized, automated, and scalable solution that replaces inefficient manual processes. The system is now ready for formal User Acceptance Testing (UAT) and handover to the system administrators.