

Phase 5: Apex Programming (Developer)

In the **Alumni Connect project**, **Apex was not required**, because:

- All necessary automation was implemented using **Flows and declarative tools**:
 - **Record-triggered flows** handle alumni registration, connection requests, and email alerts.
- No complex calculations, batch processing, or external API callouts were needed.
- The project scope is **basic**, so **declarative automation** is sufficient to meet all functional requirements.

Using Apex was optional, and skipping it simplified the project without affecting functionality.

Future Scope

Although Apex was not used in this project, it could be implemented in future enhancements:

- **Complex Business Logic** → Advanced rules for matching students with alumni or calculating engagement scores.
- **Batch Apex** → Processing large volumes of records efficiently, e.g., alumni statistics or monthly summaries.
- **Scheduled Apex** → Automate periodic updates or notifications.
- **External API Integration** → Callouts to external services like SMS gateways, analytics platforms, or AI systems.
- **Reusable Apex Classes** → Encapsulate logic for scalability and maintenance.