Salesforce Project Phase-7

Phase 7: External Integrations

The *Student Internship Tracking & Recommendation System* is designed as an **internal Salesforce solution** where all data, objects, workflows, and user interactions (Students, Teachers, Placement Officers) are handled completely inside Salesforce. At this stage, the project does not depend on any **third-party APIs, external databases, or HR portals**, so no external integration is required.

Future Considerations (if the project needs external access):

- **Named Credentials:** Secure authentication to connect Salesforce with external internship/placement portals or HR systems.
- **External Services:** Declarative setup to consume REST APIs from company portals (import Swagger/OpenAPI specs to auto-generate Apex actions).
- **Web Services (REST/SOAP):** Fetch or update internship data in real time from external systems via Apex callouts.
- **Callouts:** Allow Salesforce to send HTTP requests to company internship databases (synchronous/asynchronous).
- **Platform Events:** Enable real-time communication between Salesforce and external systems (e.g., notify HR portal when a student applies).
- **Change Data Capture (CDC):** Sync Salesforce record changes (Student, Internship, Application) with external systems.
- **Salesforce Connect:** Expose external data (e.g., internships stored in another system) inside Salesforce as external objects.
- **API Limits:** Manage API consumption if multiple external systems are integrated.
- **OAuth & Authentication:** Provide secure login for external applications consuming Salesforce data.
- **Remote Site Settings:** Ensure endpoints are trusted for secure API callouts.

Since the project is **entirely internal**, Phase 7 is **not currently applicable**. However, the above features outline how future integrations could be added if the system expands to connect with **company internship portals, external HR systems, or university databases**.