Phase 6 - 9 Documentation

Phase 6: User Interface Development

Lightning App Builder -> Record Pages

Setup → Lightning App Builder → New → Record Page → Object: Assignment__c → Add Highlights Panel, Related Lists (Submissions, Grades).

Setup → Lightning App Builder → New → Record Page → Object: Exam__c → Add Exam Details, Related Assignments.

Setup → Lightning App Builder → New → Record Page → Object: Grade__c → Show Submission, Marks, Teacher Comments.

Setup → Lightning App Builder → New → Record Page → Object: Submission__c → Show Submission details and related Grade.

Setup → Lightning App Builder → New → Home Page → Default → Add Recent Items, Reports, List View.

Tabs (Custom Object Tabs)

Setup → Tabs → New → Custom Object Tab → Exam

Setup → Tabs → New → Custom Object Tab → Courses

Setup → Tabs → New → Custom Object Tab → Grades

Setup → Tabs → New → Custom Object Tab → Guardians

Setup → Tabs → New → Custom Object Tab → Integration Logs

Setup → Tabs → New → Custom Object Tab → Students

LWC (Lightning Web Components)

VS Code → Create LWC → assignmentSummary → Deploy to Salesforce → Add to Assignment Record Page.

Phase 7: Integration & External Access

Named Credentials

Setup → Named Credentials → New → Label: LMS_Named_Cred → URL:
https://jsonplaceholder.typicode.com/ → External Credential: LMS_Ext_Cred → Save.
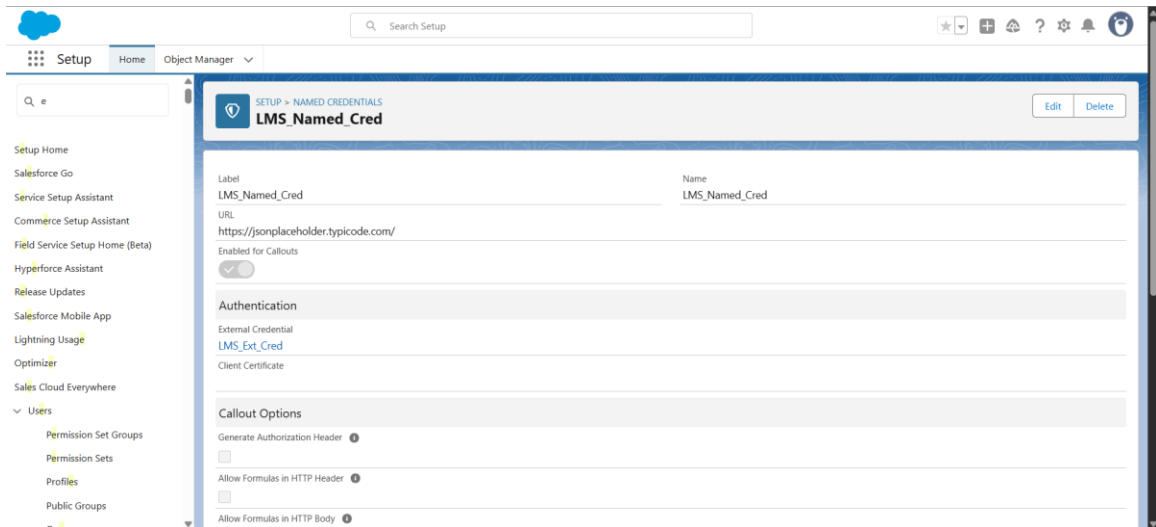
External Credentials

Setup → External Credentials → New → Label: LMS_Ext_Cred → Authentication Protocol: Basic Authentication → Save.

Phase 8: Data Management & Deployment

Data Loader

Open Data Loader → Login with Salesforce → Select Insert → Object: Student__c → Choose CSV file → Map fields → Finish.

Data Export & Backup

Setup → Data Export → Schedule Export → Select Student__c → Export to CSV → Download.

VS Code & SFDX

Install VS Code → Install Salesforce Extension Pack → Connect to Org (sfdx force:auth:web:login) → Push/Deploy metadata.
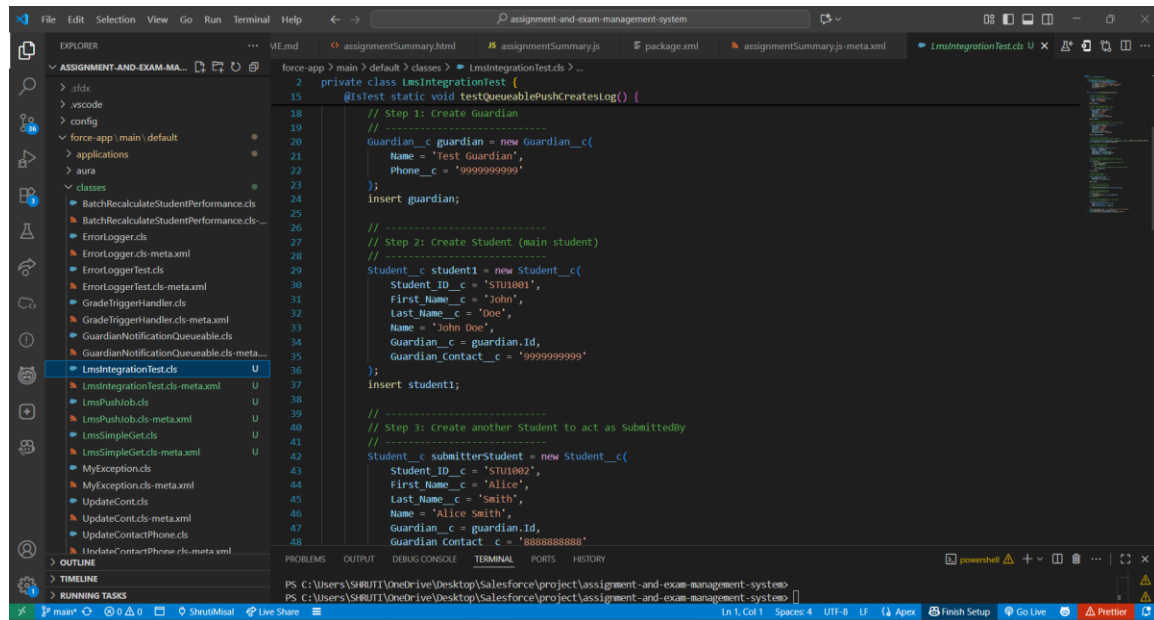
Phase 9: Reporting, Dashboards & Security Review

Reports

Reports → New Report → Object: Exam__c → Report: New Exams with Course Report

Reports → New Report → Object: Course__c → Report: New Courses with Student Report

Screenshot: _____

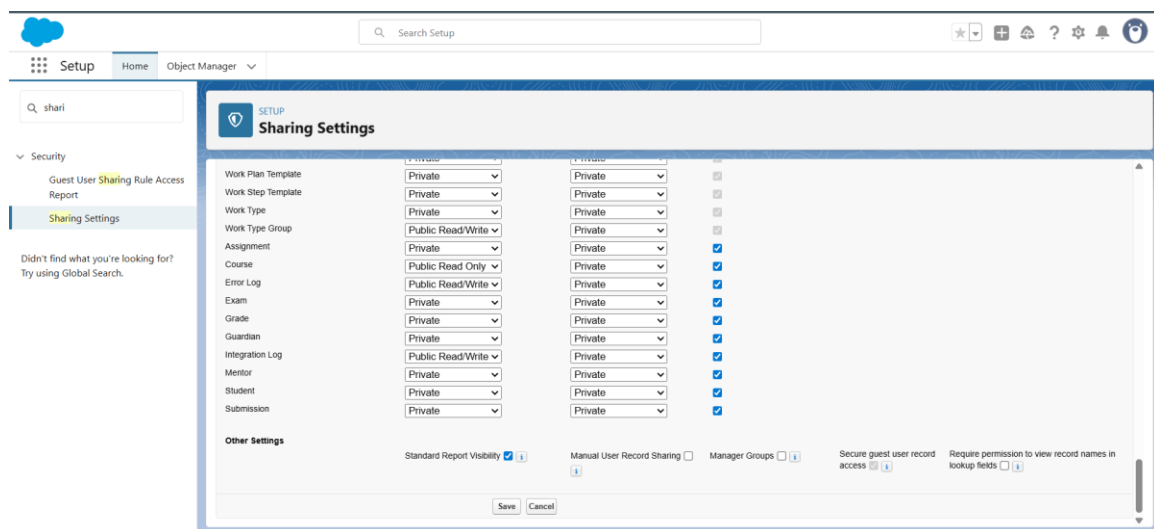Reports → New Report → Object: Grade__c → Report: New Grades with Assignment Report

Screenshot: _____

Reports → New Report → Object: Submission__c → Report: New Submissions Report
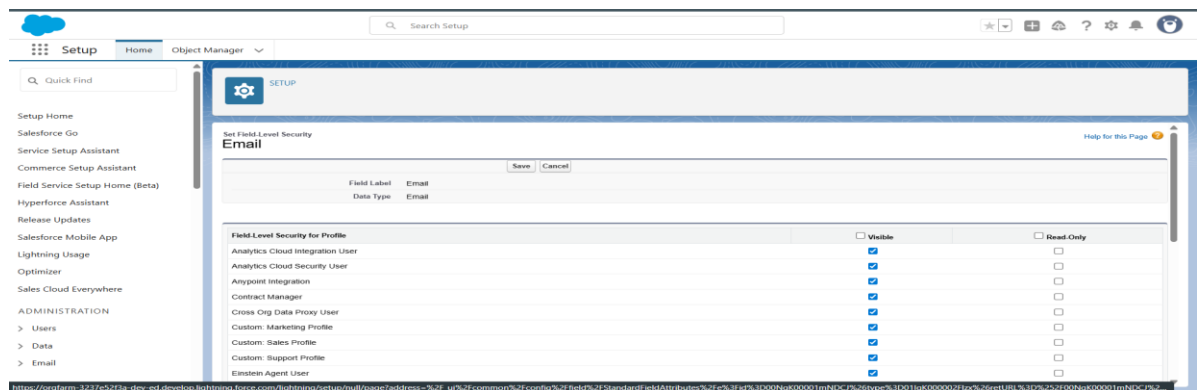
Screenshot: _____

Sharing Settings (OWD)

Setup → Sharing Settings → Edit OWD → Define object-level access for Assignment, Submission, Grade, etc.
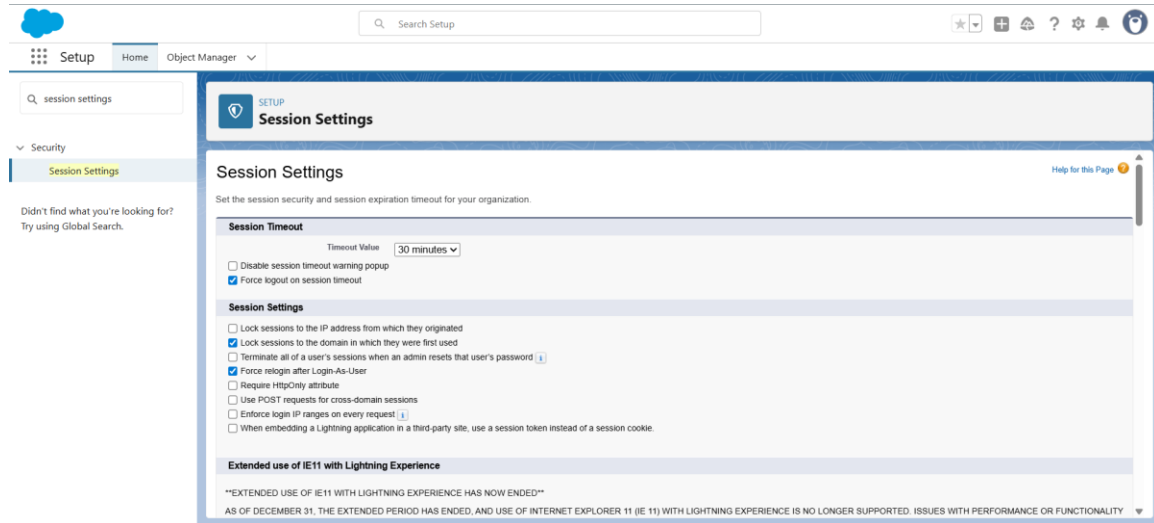

Field Level Security

Setup → Object Manager → [Select Object] → Fields & Relationships → Select Field → Set Field-Level Security.

Session Settings

Setup → Session Settings → Session Timeout = 30 minutes → Save.

Login IP Ranges

Setup → Profiles → [Select Profile] → Login IP Ranges → No restrictions added.

Audit Trail

Setup → View Setup Audit Trail → Download CSV if required.