SMART HEALTHCARE PORTAL

NAME: SRUJANA BALAM

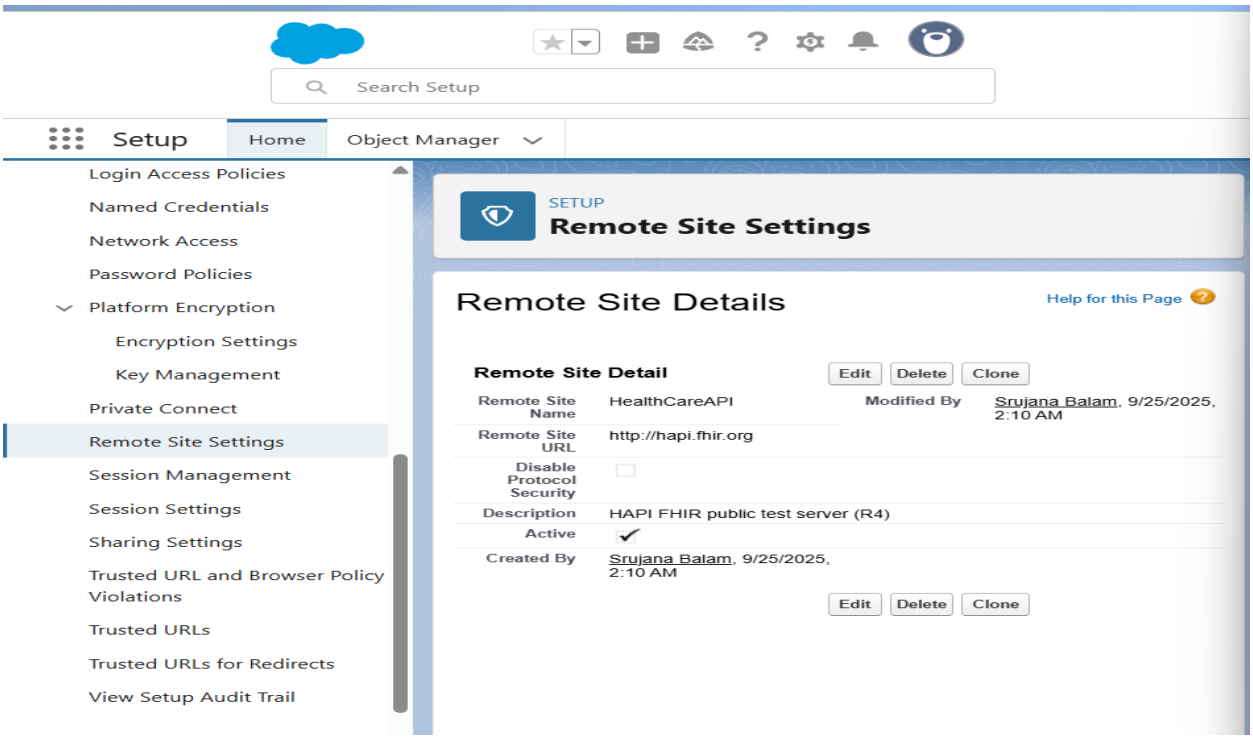
Phase 7: Integration & External Access

Overview

Phase 7 focuses on integrating external data sources with Salesforce and enabling secure external access for the Smart Healthcare Portal. This phase ensures that the portal is fully connected with FHIR APIs and external systems while maintaining security and performance.

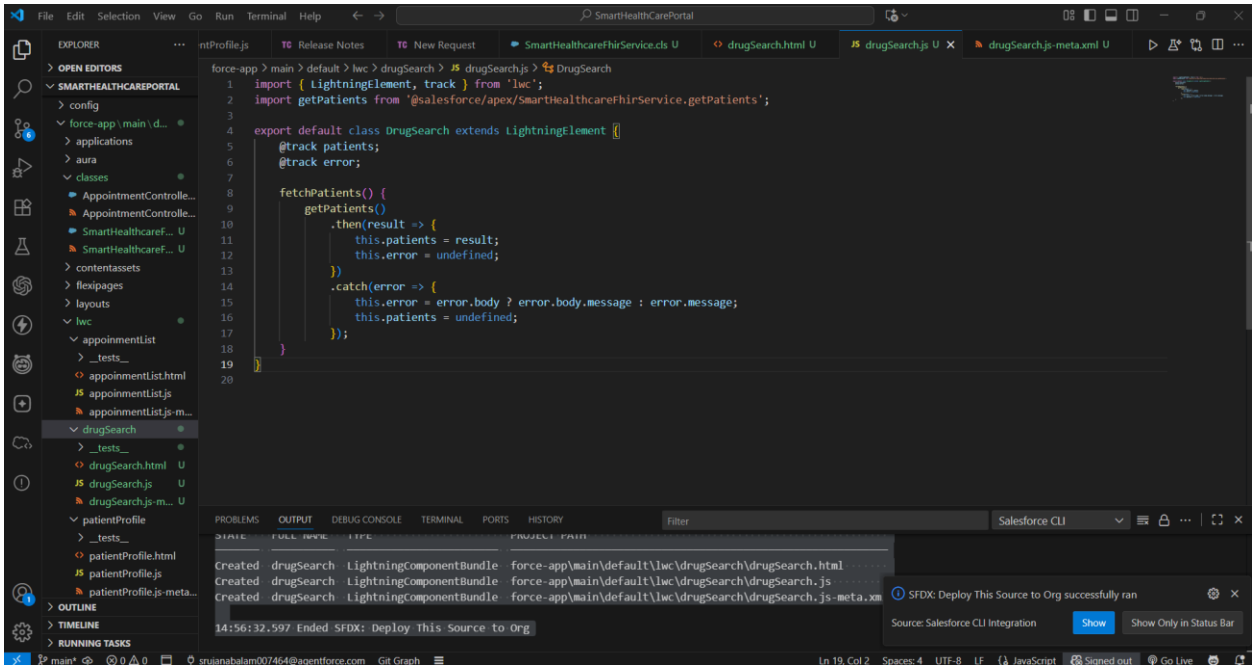
Key Tasks and Enhancements

1. **External API Integration**
    - Integrated Salesforce with HAPI FHIR API to fetch patient data dynamically.
    - Apex controllers created to handle callouts and process API responses.
    - Enabled remote site settings for secure API access.
    - https://hapi.fhir.org/baseR4/Patient?_count=5



2. **Patient Data Synchronization**

- Fetched patient records from FHIR API and displayed them in LWC tables.
- Added sorting, pagination, and search features for better usability.

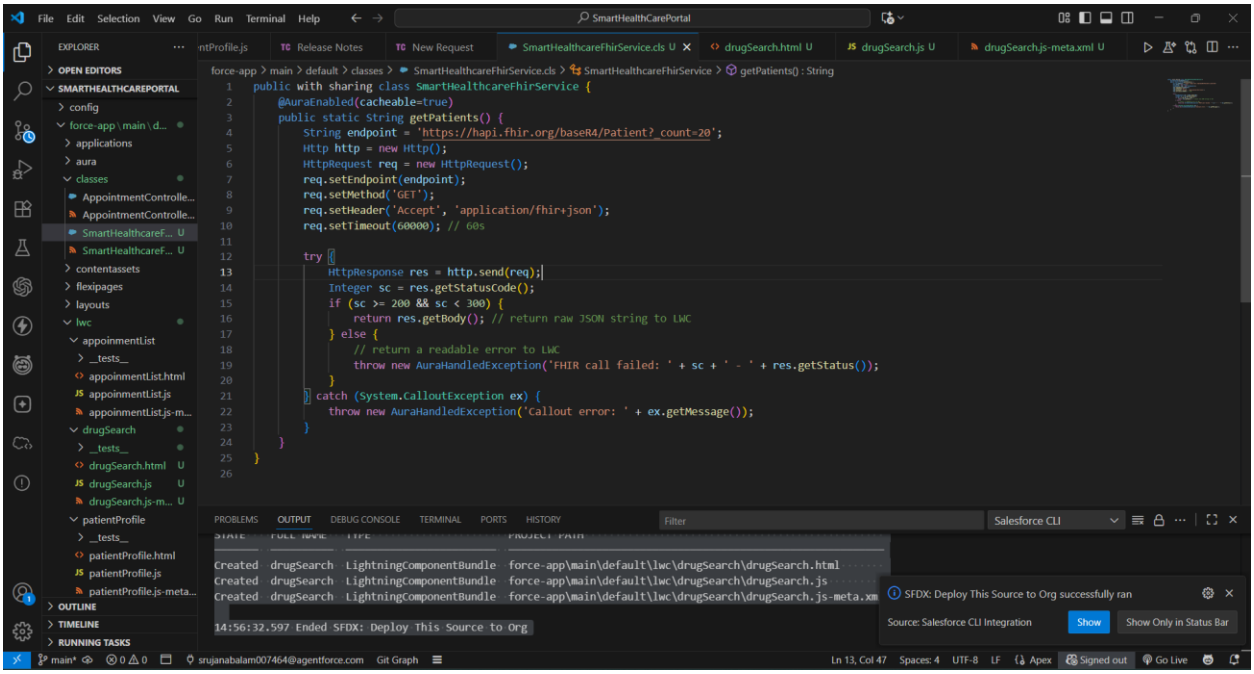


3. **Secure External Access**

- Configured Remote Site Settings for authorized API endpoints.
- Ensured HTTPS access for all external connections.
- Applied security best practices to prevent unauthorized access.

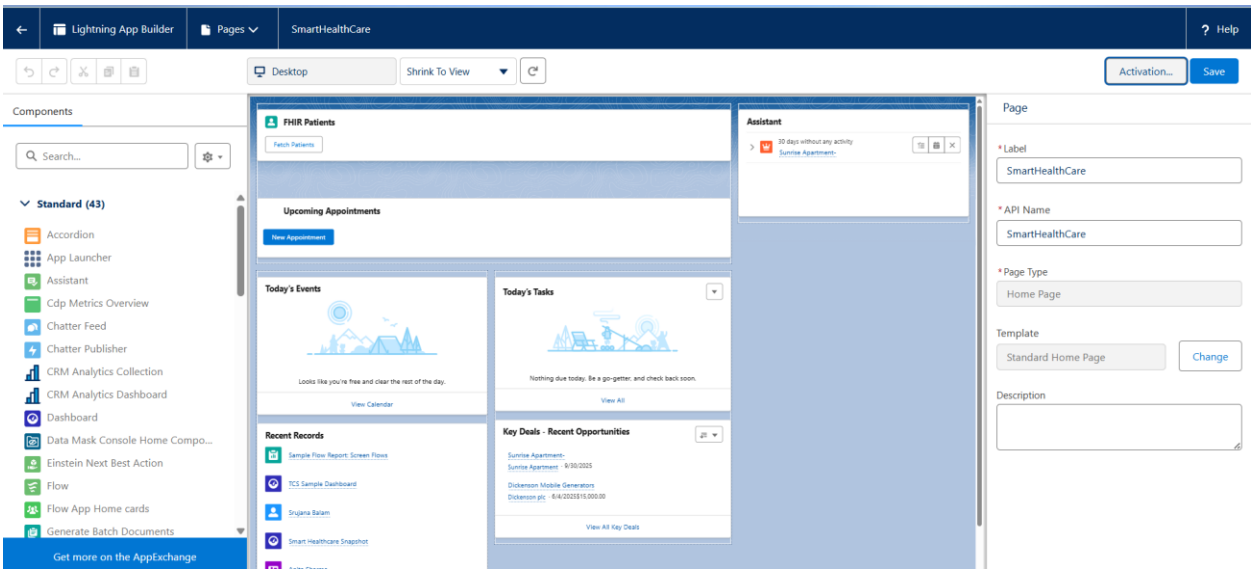
4. **Appointment & Provider Integration**

- Connected Appointment LWC with Salesforce objects and external APIs.
- Providers can now view patient information fetched from external sources.
- Dynamic booking and scheduling integrated with backend logic.

5. 

Enhanced UI/UX

- Added responsive layouts for external data display.
- Applied custom CSS for better visual integration with portal theme.
- Ensured consistent branding and navigation for external data sections.

6. 

Tools & Technologies Used

- Lightning Web Components (LWC) – Display external data dynamically
- Apex Controllers – API integration and business logic
- Salesforce Remote Site Settings – Secure external connections
- HAPI FHIR API – Patient data source

- Custom CSS & SLDS – Responsive and themed UI
- Fetching Patient details