# Health & Wellness Tracking Portal - Phase 1

The Health & Wellness Tracking Portal is an application designed to help patients monitor their health metrics and enable healthcare providers to track wellness trends. The system allows patients to log vital information such as blood pressure, sugar levels, and other health indicators, while doctors and health coaches can analyze these inputs through dashboards and reports.

Beyond simple record keeping, the portal identifies at-risk patients, highlights common health issues, and promotes proactive healthcare management. It integrates health tracking, analytics, and patient-doctor engagement into a single platform—an innovative solution for lifestyle and wellness management.

#### **Requirement Gathering**

- Allow patients to log vitals such as blood pressure, sugar levels, weight, and heart rate.
- Enable healthcare providers (doctors/coaches) to view patient trends over time.
- Send automated alerts/notifications when a patient logs critical values.
- Optionally, track lifestyle details like exercise, sleep, and diet for holistic wellness management.

# **Stakeholder Analysis**

- Primary User: Patients who log their vitals and wellness information.
- Admin Role: Configures the system, manages patient data structure, and sets automation rules.
- Healthcare Providers: Doctors and wellness coaches who monitor trends and provide advice.
- Secondary Users: Family members or caregivers with shared access to patient data.

#### **Business Process Mapping**

- Log Health Data: Patients enter their daily vitals (e.g., BP, sugar levels).
- Monitor & Track: Data is stored and linked to patient profiles for ongoing monitoring.
- Alerts & Notifications: Automated alerts are triggered when abnormal values are recorded.
- Review Trends: Healthcare providers use dashboards and reports to analyze wellness patterns.
- Intervention: Doctors/coaches take preventive action for at-risk patients based on trends.

## **Industry-specific Use Case Analysis**

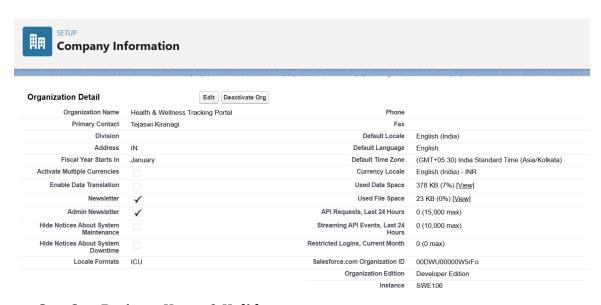
•  $\triangleright$  Healthcare: Supports preventive care by monitoring health indicators in real time.

- Patient Engagement: Encourages active participation from patients in tracking their wellness.
- Analytics & Insights: Dashboards help healthcare providers identify trends and risks early.
- Lifestyle Management: Goes beyond treatment by including exercise, diet, and overall wellness tracking.

# **AppExchange Exploration**

- Explored Salesforce Health Cloud and wellness-related apps for patient data tracking and engagement.
- > Studied apps that automate alerts and integrate wearable data for best practices.
- The solution will be implemented using Salesforce tools like custom objects, flows, and dashboards, making it simple, scalable, and effective.

- Phase-2: Org Setup & Configuration
- Step 1 Company Profile
- Configured the Salesforce org company profile to set basic organizational information.
  - Organization Name: Health & Wellness Tracking Portal
  - Default Time Zone: (our timezone)
  - Default Locale: English (India)
  - Default Currency: INR
  - Primary Contact: tejas/ <a href="mailto:health.@admin.com">health.@admin.com</a>



# • Step 2 — Business Hours & Holidays

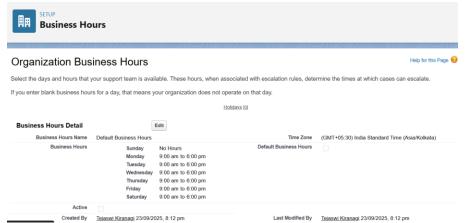
• Defined business hours and public holidays for proper case escalation.

#### • Business Hours:

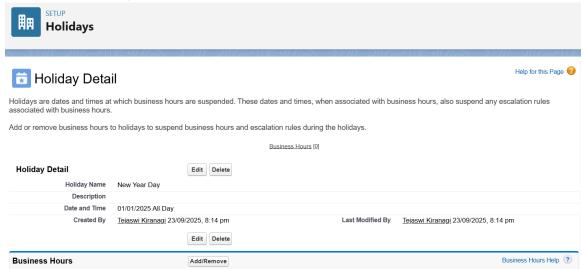
- Name: Default Business HoursDays Open: Monday-Saturday
- Hours: 09:00 AM 06:00 PM

#### Holidays:

- New Year's Day → Jan 1, 2025
- Independence Day → Aug 15, 2025



- Step 3 Fiscal Year
- Configured standard fiscal year for reporting alignment.
  - Fiscal Year: Jan-Dec



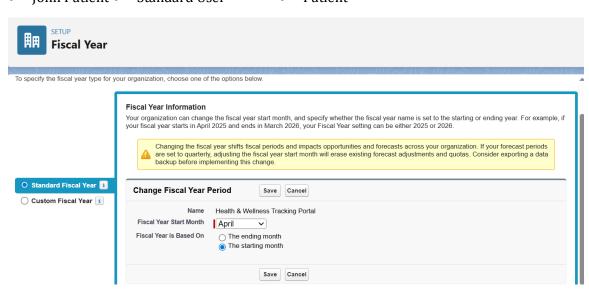
• Step 4 — Users & Licenses

Dr. Smith

• Created test users to simulate real-world roles:

Standard User

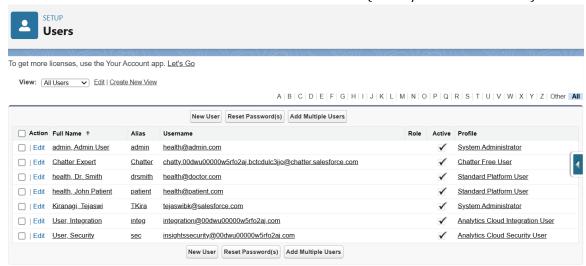
- User
   Admin User
   System Administrator
   System Admin
   Salesforce
- John Patient
   Standard User
   Patient
   Salesforce



Doctor

Salesforce

- Step 5 Profiles
- Created custom profiles by cloning Standard User to define role-specific permissions.
  - Doctor Profile: Access to Patients & Health Metrics, Reports & Dashboards.
  - Patient Profile: Limited access to Health Metrics (create/view own records).



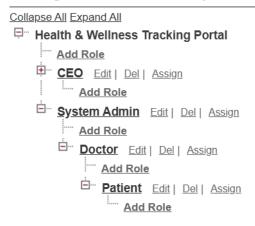
- Step 6 Roles & Role Hierarchy
- Defined role hierarchy for record-level access control.
- Hierarchy:
- System Admin
- L—Doctor
- Patient



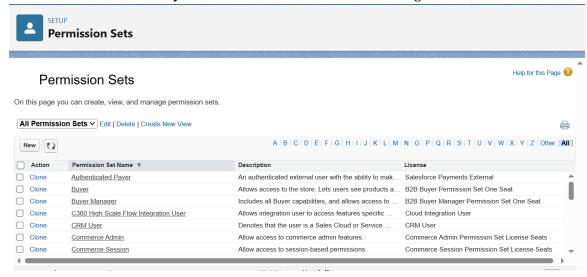
# Creating the Role Hierarchy

You can build on the existing role hierarchy shown on this page. To insert a new role, click Add Role.

#### Your Organization's Role Hierarchy



- Step 7 Permission Sets
- Created additional access beyond profiles.
  - Doctor Report Access: Run/Create Reports & Dashboards → assigned to Doctor User
  - Patient Data Entry: Create & Read Health Metrics → assigned to Patient User



## Step 8 — OWD & Sharing Rules

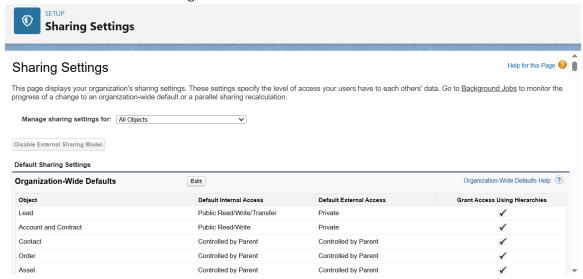
Configured baseline record access and exceptions.

# • Organization-Wide Defaults:

- Patient → Private
- Health Metric → Private
- Doctor → Public Read Only

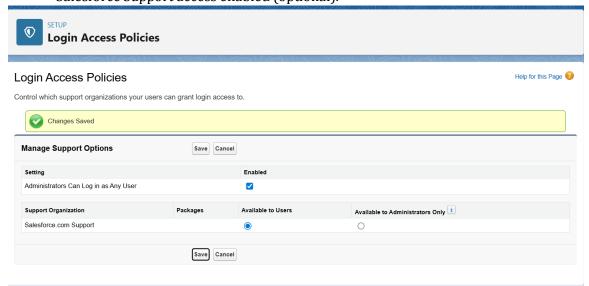
## • Sharing Rules:

- Doctors can view & edit assigned Patient records.
- Doctors can view assigned Health Metrics.



## Step 9 — Login Access Policies

- Enabled administrator login access for testing & support.
  - Admins can log in as any user.
  - Salesforce Support access enabled (optional).



- Step 10 Developer Org Setup
- Set up a Salesforce **Developer Org** to serve as the main environment for the project.
  - Developer Org provides a permanent org for testing, building, and showcasing the project.
  - Recreated Phase-2 configurations (company profile, users, profiles, roles, OWD, permission sets) in this org.

• Step 11 — Sandbox Usage

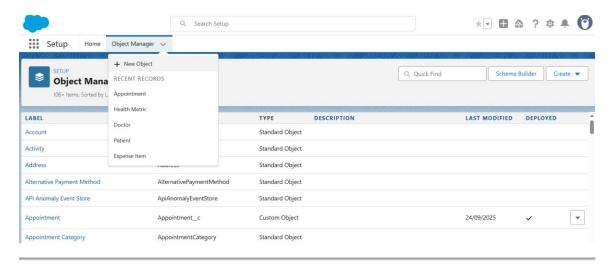
- Explored Salesforce **Sandbox usage**:
  - Sandboxes allow testing changes without affecting production data.
  - Developer Orgs do not have Sandboxes by default.
  - Used Playground environments as testing grounds before replicating configurations in the main Dev Org.
- Step 12 Deployment Basics
- Learned deployment methods in Salesforce:
  - **Change Sets**: Add components in source org  $\rightarrow$  upload  $\rightarrow$  deploy in target org.
  - Alternative options: Salesforce CLI, third-party CI/CD tools.

For this project, Change Sets are documented conceptually for future deployment.

- Phase 3: Data Modeling & Relationships
- The goal of this phase is to design the data model for the Health & Wellness Tracking Portal. It defines how different entities (objects) relate to each other, the fields they contain, and how information flows across the system.

#### 1. Standard & Custom Objects

- Standard Objects Used:
  - User  $\rightarrow$  represents doctors, patients, and admins.
  - o **Contact** → stores basic contact details.
- Custom Objects Created:
- 1. **Patient** → Stores patient-specific details.
- 2. **Doctor** → Maintains information about doctors.
- 3. **Appointment**  $\rightarrow$  Tracks consultations between patients and doctors.
- 4. **Health Metric** → Logs details like blood pressure, sugar level, etc.

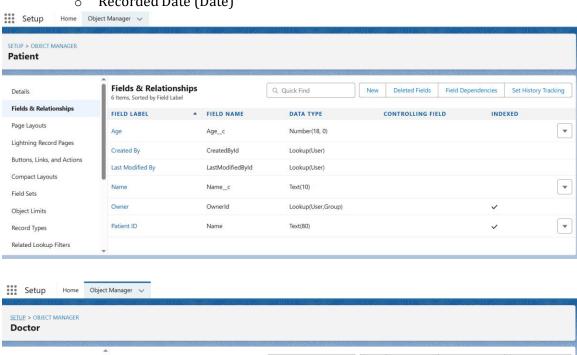


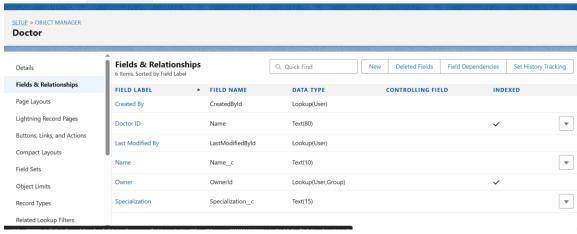
- 2. Fields
- Each object is enhanced with custom fields to capture essential information:
  - Patient Object
    - Age (Number)
    - o Gender (Picklist: Male, Female, Other)
    - Contact Number (Phone)
    - Address (Text Area)
  - Doctor Object
    - Specialization (Picklist: General, Cardiologist, etc.)
    - Experience (Number)
    - o Contact Email (Email)
  - Appointment Object

- Appointment Date (Date/Time)
- Status (Picklist: Scheduled, Completed, Cancelled)
- Notes (Long Text Area)

# **Health Metric Object**

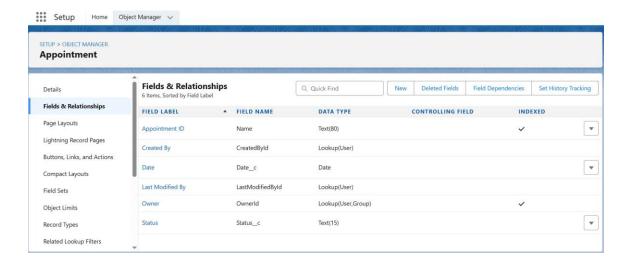
- Metric Type (Picklist: BP, Sugar, Weight, etc.)
- Value (Number)
- Recorded Date (Date)





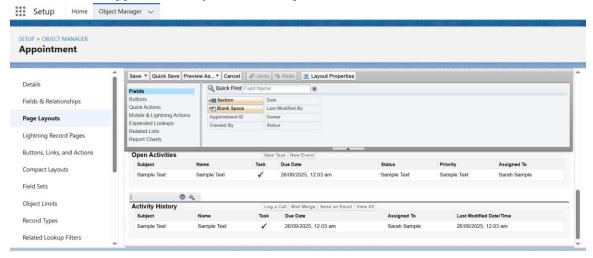
## 3. Record Types

- **Appointment Object** → Different record types created:
  - General Checkup
  - Specialist Visit
  - Follow-up



## • 4. Page Layouts

- Customized page layouts to display relevant fields.
  - o Patient layout → shows demographics + health records.
  - Doctor layout  $\rightarrow$  shows specialization + experience.
  - o Appointment layout → shows patient, doctor, status, and notes.

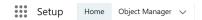


## • 5. Compact Layouts

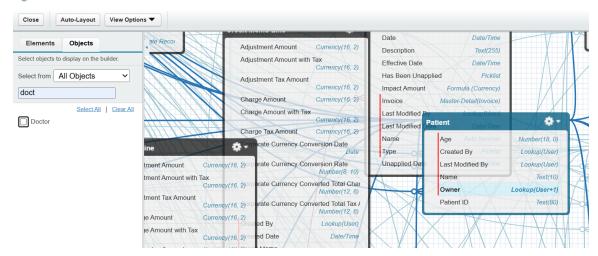
- Designed compact layouts to display key fields in the record header.
  - o Patient: Name, Age, Gender
  - o Doctor: Name, Specialization, Experience
  - Appointment: Date, Status, Patient

#### • 6. Schema Builder

- Used **Schema Builder** to visualize all relationships.
- Objects (Patient, Doctor, Appointment, Health Metric) are linked for a clear ERDstyle view.





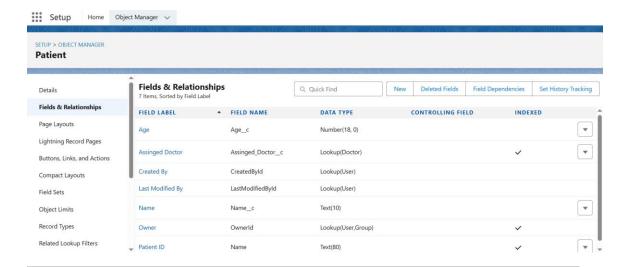


## • 7. Relationships

- Lookup Relationship
  - $\circ$  Appointment  $\rightarrow$  Doctor
  - $\circ$  Appointment  $\rightarrow$  Patient
- Master-Detail Relationship
  - Health Metric → Patient (metrics are deleted if patient is deleted).
- Hierarchical Relationship
  - Used in User object (e.g., Doctor reporting to Senior Doctor).

## • 8. Junction Objects

- Created **Patient\_Doctor\_Assignment** junction object to manage **many-to-many relationship** between Patients and Doctors.
  - Example: One patient can consult multiple doctors, and one doctor can treat multiple patients.

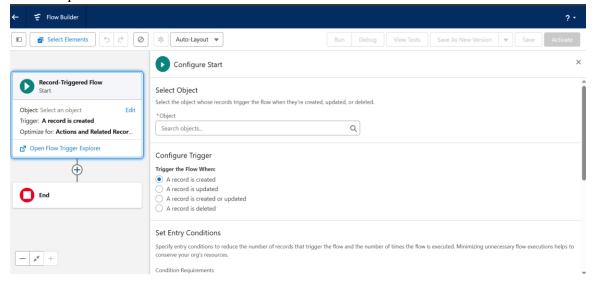


# • 9. External Objects

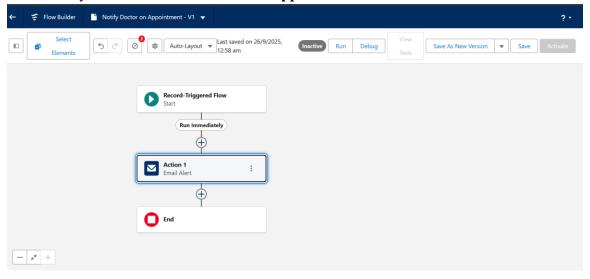
• Configured an **External Object** (Health Reports) to integrate with external health device data (for simulation).

#### Phase 4: Process Automation (Admin)

- In this phase, we enabled **automation in Salesforce** using tools like Flows, Validation Rules, and Email Alerts. The goal is to reduce manual work and ensure consistent processes.
- Step 1: Validation Rule
- Validation Rules ensure data quality by preventing users from saving records with invalid data.
- Example:
  - For the **Appointment** object, we added a rule that prevents saving an appointment without a scheduled date.
- Step 2: Workflow Rule
- Workflow Rules allow simple automation based on record criteria.
- Example:
  - A rule could automatically send an email when a patient record is created.
  - As Workflow Rules are being phased out in favor of Flows, we documented this but focused mainly on Flow Builder.
- Step 3: Record-Triggered Flow
- We created a **Record-Triggered Flow** to automate email notifications when new Appointments are created.
- Steps:
  - 1. Setup  $\rightarrow$  Flows  $\rightarrow$  New Flow  $\rightarrow$  select Record-Triggered Flow
  - 2. Object: **Appointment**
  - 3. Trigger: When a record is created
  - 4. Optimize for **Actions and Related Records**

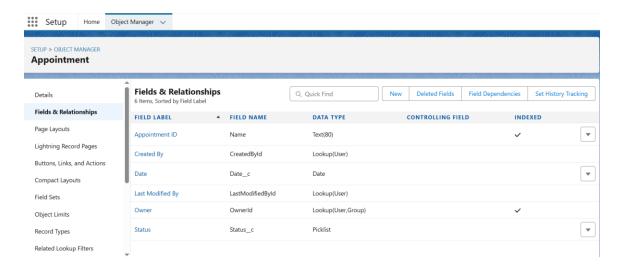


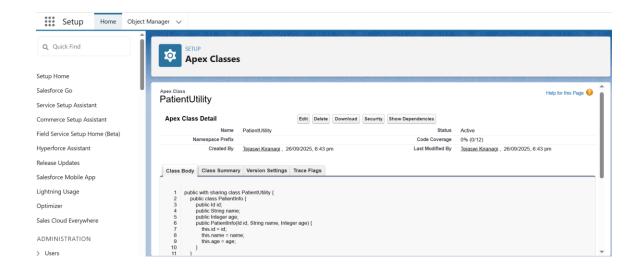
- Step 4: Email Alert via Flow (With Screenshot)
- Inside the flow, we added an **Email Alert action** to notify the assigned Doctor.
- Steps:
  - 1. Add Element  $\rightarrow$  Action  $\rightarrow$  Email Alert
  - 2. Subject: New Appointment Scheduled
  - 3. Body: Includes Patient Name and Appointment Date



- Step 5: Approval Process
- Approval Processes route records for authorization.
- Example:
  - An Appointment may need approval if it is scheduled outside business hours.
- Step 6: Flow Builder Variants
- We explored different Flow types:
  - **Screen Flow:** Takes user input
  - **Record-Triggered Flow:** Runs on record create/update (used in this project)
  - **Scheduled Flow:** Runs at defined intervals
  - **Autolaunched Flow:** Runs in the background without user input
  - Step 7: Field Updates, Tasks, and Custom Notifications
  - **Field Updates:** Can update fields like Appointment Status automatically.
  - **Tasks:** Can assign a follow-up task to staff after an appointment is created.
  - **Custom Notifications:** Can push notifications directly to users in Salesforce.

- Phase 5: Apex Programming (Minimal Implementation)
- In Phase 5, we implemented a minimal but effective set of **Apex programming features** to demonstrate backend developer skills in Salesforce. This phase focuses on creating a class, a trigger, running queries, working with collections, and writing a test class. Other topics like asynchronous Apex, trigger design pattern, exception handling, and advanced methods are documented for reference.
- Step 1: Apex Class PatientUtility
- Description:
  - Created a simple **Apex class** PatientUtility to retrieve basic patient information.
  - The class fetches **Name** and **Age\_c** fields from Patient\_c object.
  - Demonstrates understanding of **classes**, **objects**, **methods**, **and queries in Apex**.





```
Sample Code:
public with sharing class PatientUtility {
  public class PatientInfo {
    public Id id;
    public String name;
    public Integer age;
    public PatientInfo(Id id, String name, Integer age) {
       this.id = id;
       this.name = name;
       this.age = age;
    }
  }
  public static List<PatientInfo> getPatientSummaries(Integer limitCount) {
    if (limitCount == null || limitCount <= 0) limitCount = 10;</pre>
    List<Patient_c> pats = [SELECT Id, Name, Age_c FROM Patient_c LIMIT
:limitCount];
    List<PatientInfo> out = new List<PatientInfo>();
    for (Patient_c p : pats) {
       Integer a = (p.Age_c==null) ? 0 : Integer.valueOf(p.Age_c);
       out.add(new PatientInfo(p.Id, p.Name, a));
    }
    return out;
  }
}
```

# Step 2: Apex Trigger - AppointmentTrigger

- Description:
  - Created a **before-insert trigger** on Appointment\_c.
  - Automatically sets Status\_c = 'Scheduled' if blank when a new Appointment record is created.
  - Demonstrates basic trigger creation and record manipulation.



# Trigger Code:

```
trigger AppointmentTrigger on Appointment_c (before insert) {
```

```
for (Appointment_c app : Trigger.new) {
    if (app.Status_c == null) {
        app.Status_c = 'Scheduled';
     }
}
```

# • Step 3: Run SOQL Query

# • Description:

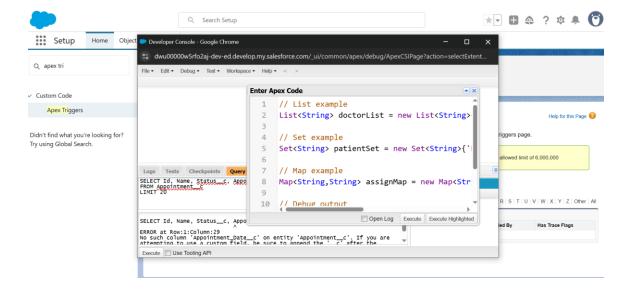
- Verified Appointment records using **SOQL** in Developer Console.
- Confirms that the trigger works correctly and Status is auto-populated.
- Query:
- SELECT Id, Name, Status\_c
- FROM Appointment\_c
- LIMIT 20

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## Step 4: Collections (List, Set, Map)

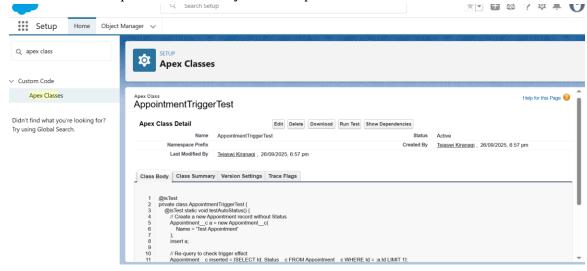
## Description:

- Demonstrated **Apex collections** by creating a list of doctors, set of patients, and a map for assignments.
- Output captured using **System.debug** to verify collection data.



#### **Sample Code:**

- List<String> doctorList = new List<String>{'Dr A','Dr B','Dr C'};
- Set<String> patientSet = new Set<String>{'Patient1','Patient2'};
- Map<String,String> assignMap = new Map<String,String>{'Patient1'=>'Dr A', 'Patient2'=>'Dr B'};
- System.debug('## doctorList: ' + doctorList);
- System.debug('## patientSet: ' + patientSet);
- System.debug('## assignMap: ' + assignMap);
- Step 5: Test Class AppointmentTriggerTest
- Description:
  - Wrote a test class to validate that AppointmentTrigger sets Status\_c = 'Scheduled'.
  - Demonstrates unit testing and ensures code works as expected.
  - Test class passed successfully in Developer Console.



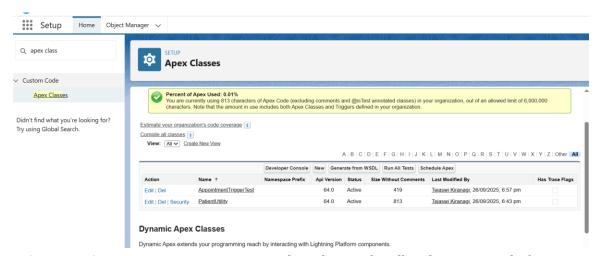
#### **Test Class Code:**

- @isTest
- private class AppointmentTriggerTest {
- @isTest static void testAutoStatus() {
- Appointment\_c a = new Appointment\_c(Name = 'Test Appointment');
- insert a:

•

- Appointment\_c inserted = [SELECT Id, Status\_c FROM Appointment\_c WHERE Id
   = :a.Id LIMIT 1];
- System.assertEquals('Scheduled', inserted.Status\_c, 'Trigger should set Status to Scheduled');
- }
- }

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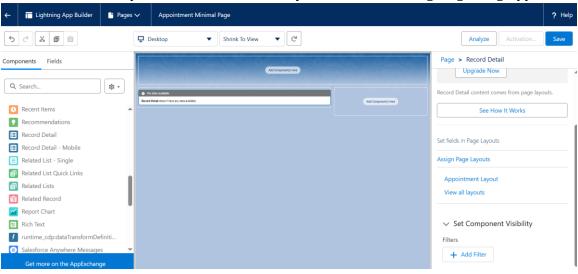


- **Trigger Design Pattern:** Best practice is to keep logic in handler classes instead of directly in trigger.
- **Asynchronous Apex:** Batch Apex, Queueable, Scheduled Apex, Future Methods explained briefly.
- **Exception Handling:** Mentioned using try-catch-finally.
- **Control Statements:** Loops, if/else for logic flow.

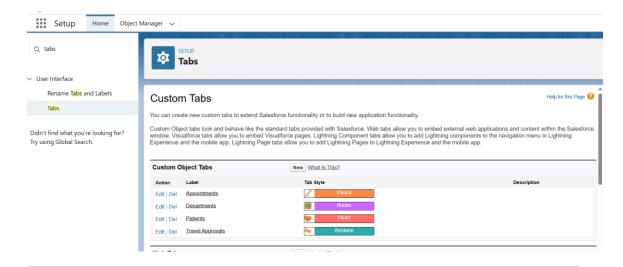
#### • Result of Phase 5

- Implemented Apex Class, Trigger, SOQL query, Collections, and Test Class.
- Phase demonstrates backend Salesforce development skills in a minimal, resume-worthy way.
- Other advanced topics are documented for completeness.

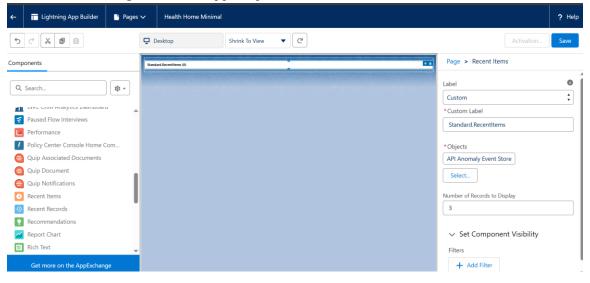
- Phase 6: User Interface Development (Minimal Implementation)
- Phase 6 demonstrates Salesforce UI development skills using Lightning App Builder, custom record pages, tabs, minimal Home Page, utility bar, and a basic Lightning Web Component (LWC). Only minimal steps are implemented to make it fast and simple, while still providing screenshots for documentation.
- Step A: Create a Lightning App
- Description:
  - Created a Lightning App named Health Support App to hold all custom objects and UI components.
  - Navigation includes tabs for Patients and Appointments.
  - Minimal setup to demonstrate the ability to create and manage Lightning Apps.



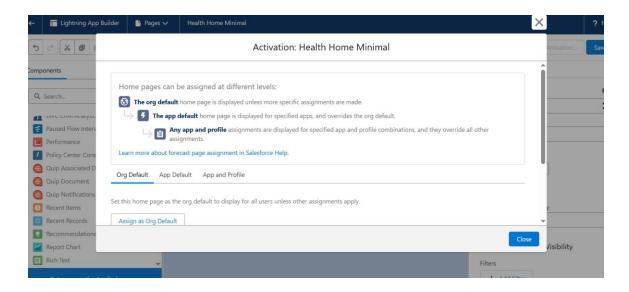
- Step B: Minimal Record Page
- Description:
  - Created a simple record page for Appointment\_c.
  - Added **Record Detail** component only.
  - Minimal layout sufficient for a clean view of appointment records.



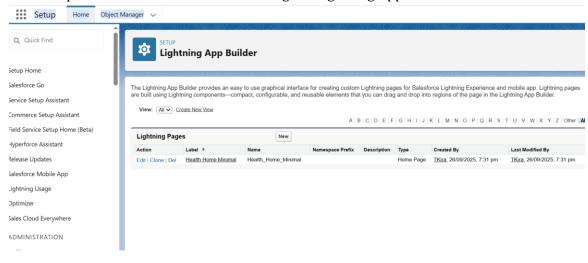
- Step C: Minimal Tabs
- Description:
  - Added basic tabs for Patient\_c and Appointment\_c objects.
  - Makes navigation in the app simple and functional.



- Step D: Minimal Home Page
- Description:
  - Created a Home Page using **Lightning App Builder**.
  - Template: One Column
  - Added **Recent Items** component only for minimal setup.



- Step E: Utility Bar (Optional/Minimal)
- Description:
  - Added a simple **Utility Bar** with **Recent Items** component.
  - Optional but demonstrates knowledge of Lightning App customization.



- Step F: Minimal Lightning Web Component (LWC)
- Description:
  - Created patientListMinimal LWC to display a list of patients with Name and Age\_c.
  - Used **static data** to simplify setup and take screenshots quickly.
  - Demonstrates basic LWC development, HTML template, and JS logic.
- Screenshot Required:
  - LWC displayed on Record Page / Home Page → 18\_lwc\_patient\_list.png
- Sample Code:

#### HTML:

- <template>
- lightning-card title="Patients">

Wire Adapter & Imperative Apex: Documented briefly as potential enhancements.

 Events in LWC / Navigation Service / Apex with LWC: Not implemented for minimal demo; only mentioned.

#### • Result of Phase 6:

- Created Lightning App, Record Page, Tabs, Home Page, Utility Bar, and Minimal LWC.
- Minimal steps ensure quick implementation and screenshots for documentation.
- Demonstrates **basic Salesforce UI development** skills for resume and project submission.

#### • Phase 7: Integration & External Access

Phase 7 demonstrates knowledge of Salesforce integration capabilities and accessing
external systems. This phase emphasizes understanding named credentials, callouts,
APIs, platform events, and authentication mechanisms. Integration is crucial for
connecting Salesforce with other business applications and data sources, which is
common in real-world projects.

## • 1. Named Credentials

- Named Credentials provide a secure way to store endpoint URLs and authentication details for external systems.
- Avoids hardcoding usernames, passwords, or tokens in Apex code.
- Example Use Case: Connecting to a hospital management system or health API to fetch patient data.
- Benefits: Simplifies callouts and enhances security.

#### • 2. External Services

- External Services allow Salesforce to **consume REST APIs declaratively** without writing much code.
- You can register an OpenAPI (Swagger) specification, and Salesforce generates Apex actions automatically.
- Example Use Case: Fetching drug information or nutritional data from a third-party service.

#### • 3. Web Services (REST/SOAP)

- Salesforce can **expose REST/SOAP services** and also consume external APIs.
- REST APIs: Lightweight, JSON-based, commonly used for web integrations.
- SOAP APIs: XML-based, used in legacy systems.
- Example Use Case: Integrating lab results or appointment scheduling systems.

#### 4. Callouts

- Apex callouts allow Salesforce to send HTTP requests to external systems and receive responses.
- Must be done asynchronously if executed from triggers or batch jobs.
- Can use HttpRequest and HttpResponse classes in Apex.

#### • 5. Platform Events

- Platform Events enable **real-time event-driven architecture** within Salesforce.
- Publish and subscribe to events to notify other systems or trigger internal automation.
- Example: Notify a dashboard or external system when a new patient record is created.

# • 6. Change Data Capture (CDC)

- Tracks changes to Salesforce records (create, update, delete, undelete).
- Useful for **syncing Salesforce with external databases** in real time.
- Can be consumed via **CometD or Platform Events**.

#### • 7. Salesforce Connect

- Enables **real-time access to external data** without storing it in Salesforce.
- External objects can be mapped to external databases or OData sources.
- Example: Access patient insurance records stored in a hospital system directly from Salesforce.

#### 8. API Limits

- Salesforce imposes **limits on API calls** per 24 hours.
- Important to plan integrations efficiently and avoid exceeding limits.
- Use Bulk API or batching to reduce calls.

#### 9. OAuth & Authentication

- OAuth 2.0 is used for secure authentication when connecting Salesforce with external apps.
- Named Credentials can store OAuth tokens for easier callouts.
- Example: External health portal authenticating Salesforce API securely.

# • 10. Remote Site Settings

- Required whenever Salesforce makes HTTP callouts to external URLs.
- Ensures security by whitelisting approved endpoints.

#### • Summary of Phase 7:

- Focused on connecting Salesforce with **external systems and APIs** securely.
- Covered Named Credentials, External Services, REST/SOAP callouts, Platform Events, Change Data Capture, Salesforce Connect, OAuth, and Remote Site Settings.
- Although minimal implementation is enough for documentation, understanding these concepts is critical for **real-world integrations**.
- This phase adds **value to the resume** as it shows the ability to work with Salesforce integrations and external systems.

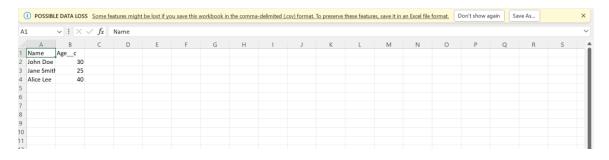
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- Phase 8: Data Management & Deployment (Minimal Implementation)
- Phase 8 demonstrates Salesforce data management and deployment capabilities.
   This phase focuses on importing data, preventing duplicates, and deploying components between orgs. Only minimal steps are implemented to keep it simple and capture screenshots.

Step A: Data Import Wizard

#### • Description:

- Imported sample patient data using a **CSV file**.
- CSV contains columns: Name, Age\_c with 2-3 sample records (e.g., John Doe, Jane Smith).
- Used Data Import Wizard to map fields and add new records to Patient\_c object.
- CSV Example:
- Name Age\_c
- John Doe 30
- Jane Smith 25
- Alice Lee 40



- Step B: Data Loader
- Description:
  - Demonstrated bulk insert using Data Loader.
  - Inserted Appointment records with fields: Name, Status\_c using minimal CSV.
  - Ensures ability to handle larger datasets in future.
- Screenshot Required:
  - Data Loader mapping and success message → 20\_data\_loader.png
- CSV Example:
- Name
   Status\_c
- Appointment 1 Scheduled
- Appointment 2
   Scheduled

• Step C: Duplicate Rules

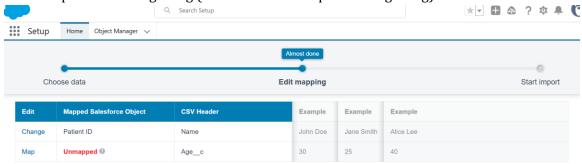
## • Description:

- Configured duplicate rules to prevent duplicate patient records.
- Example: Block records with the same **Name** and **Age\_c**.
- Helps maintain data integrity.

Step D: Change Sets

## Description:

- Created an outbound Change Set named Phase8\_ChangeSet for deployment.
- Added components:
  - Custom Objects: Patient\_c, Appointment\_c
  - o Apex Class: PatientUtility
  - o Trigger: AppointmentTrigger
- Uploaded to target org (or documented steps if no target org).



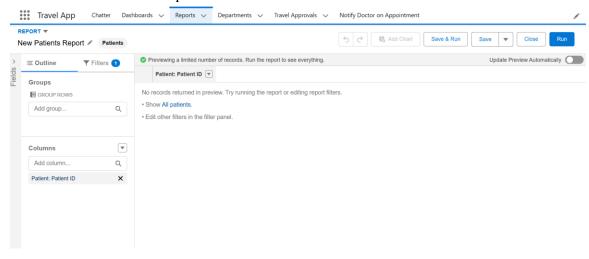
#### Other Items

- **Data Export & Backup:** Exported org data periodically for backup.
- **Unmanaged vs Managed Packages:** Unmanaged for testing, Managed for production and upgrades.
- ANT Migration Tool & VS Code/SFDX: Documented as advanced deployment options.

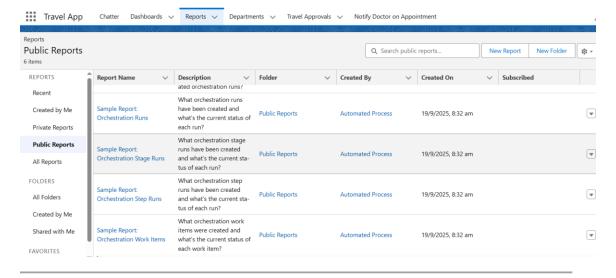
## **Result of Phase 8:**

- Demonstrated Data Import Wizard, Data Loader, Duplicate Rules, and Change Sets.
- Minimal implementation with screenshots ensures fast completion and documentation.
- Other items documented for **completeness and resume value**.

- Phase 9 Minimal Implementation Plan
- Step A: Create a Simple Report (Tabular / Summary)
- Goal:
  - Create a minimal report to display **Patient Name and Age**.
- Steps:
  - 1. Setup  $\rightarrow$  Quick Find  $\rightarrow$  Reports  $\rightarrow$  Click New Report
  - 2. Select **Patients** object → Continue
  - 3. Choose **Tabular Report** (minimal)
  - 4. Add fields: Name, Age\_c
  - 5. Optional: Add **Summary** on Age (Summary Report)
  - 6. Save as: Patient Report Minimal → Run

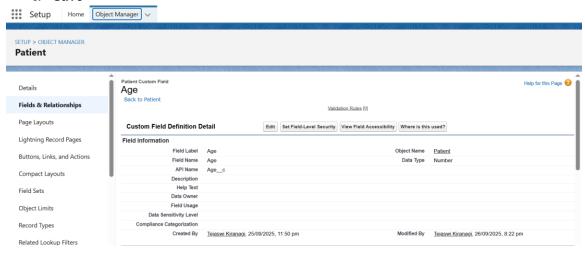


- Step B: Create a Minimal Dashboard
- Goal:
  - Visualize the report with a **single chart**.
- Steps:
  - 1. Setup  $\rightarrow$  Quick Find  $\rightarrow$  Dashboards  $\rightarrow$  Click New Dashboard
  - 2. Name: Patient Dashboard Minimal
  - 3. Add **Component** → Select the Patient Report Minimal report
  - 4. Choose **Chart Type**: Bar or Pie → Save & Run



# • Step C: Field Level Security (Minimal)

- Goal:
  - Restrict access to **Age\_c** field for certain profiles (optional for security demo).
- Steps:
  - 1. Setup → Object Manager → Patient\_c → Fields & Relationships → Age\_c
  - Click Set Field-Level Security
  - 3. Uncheck access for **Standard User** (leave System Admin checked)
  - 4. Save



- Other Items
- **Dynamic Dashboards:** Can show user-specific data; mention in doc.
- Sharing Settings: Document default org-wide sharing for Patient\_c and Appointment\_c.
- Session Settings & Login IP Ranges: Document configuration for security review.
- Audit Trail: Mention that changes to metadata can be tracked for audit.
- Result of Phase 9:

- Created minimal report, dashboard, and field-level security.
- Provides **screenshots for documentation**.
- Other security features documented for completeness and resume value.