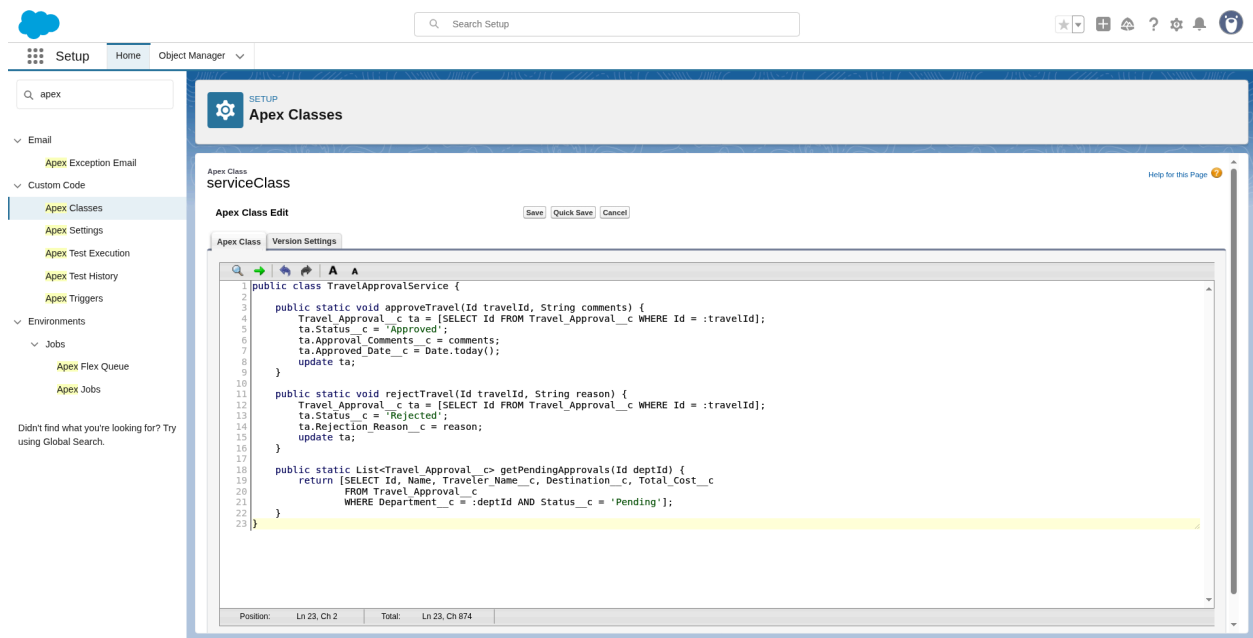


# Phase 5: Apex Programming (Developer)

## Classes & Objects



### The Code (TravelApprovalService)

Let me break down what this code does:

```
public class TravelApprovalService {
```

- Declares a public service class for handling travel approvals

### Method 1: approveTravel (Lines 3-9)

```
public static void approveTravel(Id travelId, String comments) {
```

- **Purpose:** Approves a travel request

- **Parameters:**
  - `travelId` - ID of the travel approval record
  - `comments` - Approval comments
- **Actions:**
  - Queries the `Travel_Approval__c` record using SOQL
  - Sets Status to 'Approved'
  - Stores the comments
  - Sets approval date to today
  - Updates the record in database

### Method 2: `rejectTravel` (Lines 11-16)

```
public static void rejectTravel(Id travelId, String reason) {
```

- **Purpose:** Rejects a travel request
- **Parameters:**
  - `travelId` - ID of the travel approval record
  - `reason` - Rejection reason
- **Actions:**
  - Queries the `Travel_Approval__c` record
  - Sets Status to 'Rejected'
  - Stores the rejection reason
  - Updates the record

### Method 3: `getPendingApprovals` (Lines 18-22)

```
public static List<Travel_Approval__c> getPendingApprovals(Id deptId) {
```

- **Purpose:** Retrieves all pending travel approvals for a department
- **Parameters:**
  - `deptId` - Department ID
- **Returns:** List of pending `Travel_Approval__c` records
- **Query:** Selects Id, Name, `Traveler_Name__c`, `Destination__c`, `Total_Cost__c` where Department matches and Status is 'Pending'

## Bottom Status Bar




- **Position:** Ln 23, Ch 2 (Line 23, Character 2)
- **Total:** Ln 23, Ch 874 (Total of 23 lines, 874 characters)

## Key Features of This Screen:

1. **Syntax Highlighting** - Code is color-coded for readability
2. **Line Numbers** - Left side shows line numbers
3. **Version Control** - Version Settings tab allows tracking changes
4. **Quick Save** - Saves without compiling (faster)
5. **Help** - Top right has "Help for this Page" link

## What This Class Does:

This is a **Service Layer** class that handles business logic for travel approvals in a tourism management application. It provides three key operations:

-  Approve travel requests
-  Reject travel requests
-  View pending approvals by department