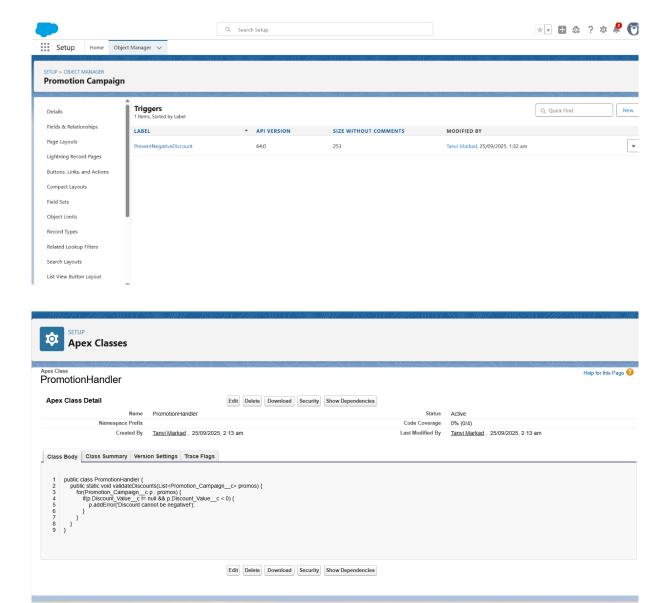
Phase 5: Apex Programming

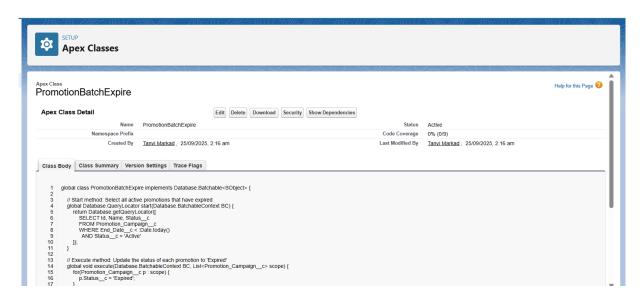
1. Apex Trigger

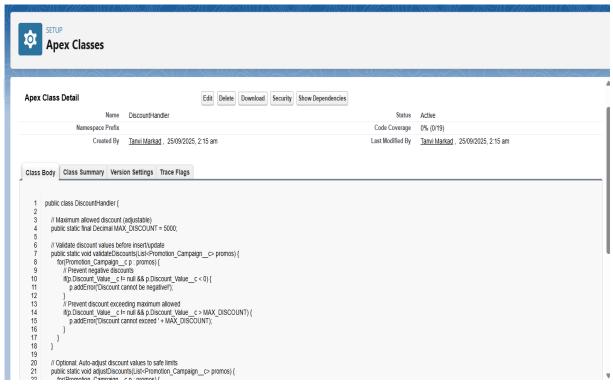
- Setup: Setup \rightarrow Object Manager \rightarrow Promotion_Campaign_c \rightarrow Triggers
 - a. Promotion Trigger e.g., validate negative discounts before insert/update.
 - **b. Discount Trigger** e.g., enforce max discount limits or auto-update related records.



2.Apex Class

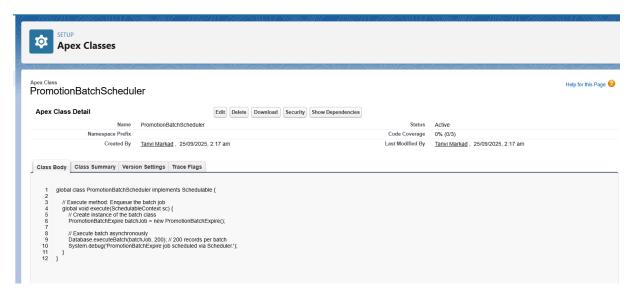
- Setup: Setup → Apex Classes → New Apex Class
 - a. **PromotionHandler** Handles trigger logic (e.g., validation, auto-update).
 - b. **DiscountHandler** Handles complex discount calculations, approvals.





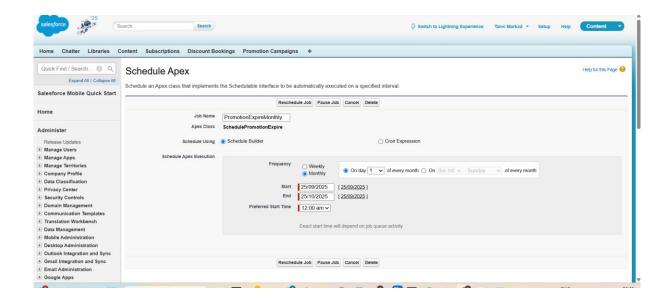
3. Batch Apex

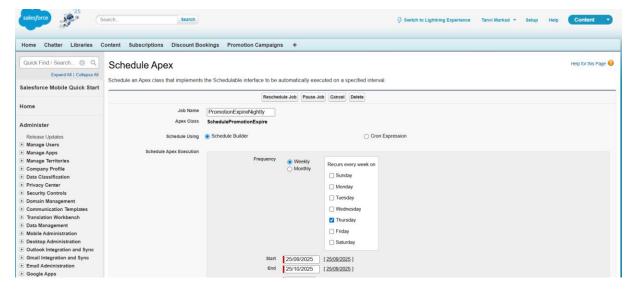
- Setup->Apex Classes->New Class
 - a. **PromotionBatchExpire** Updates expired promotions.
 - b. **PromotionBatchScheduler** Schedules the batch job to run nightly or monthly.



4. Scheduled Apex

- Setup->Scheduled Jobs->New Job
 - a. **PromotionExpireMonthly** Runs monthly to expire old promotions.
 - b. **PromotionExpireNightly** Runs nightly to update recently ended promotions.



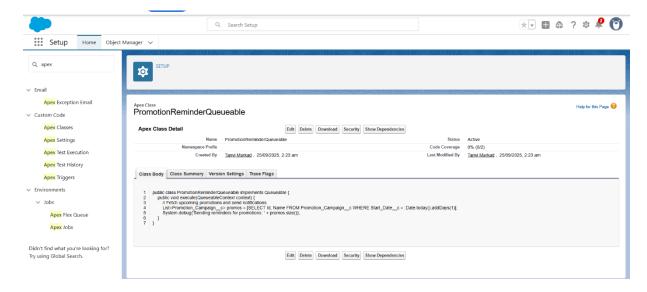


5. Queueable Apex

Setup->Apex classes->New Classes

PromotionReminderQueueable-

Sends reminder emails for upcoming promotions.



6. Test Classes

- Setup->Apex Classes->New Classes
- PromotionTestClass

