

## Scenario 1: Excluding the external Features

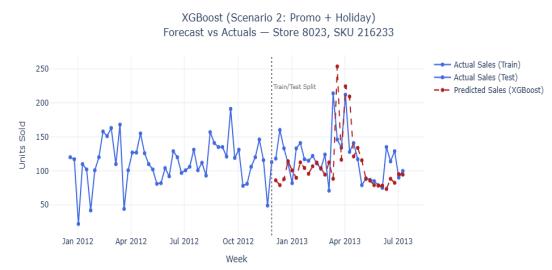
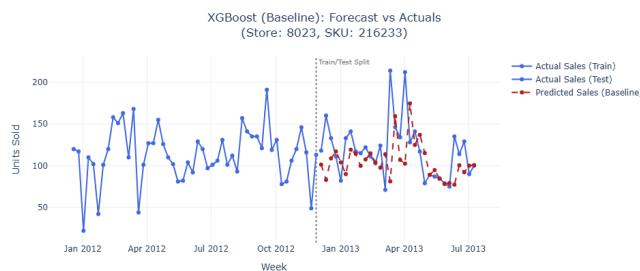
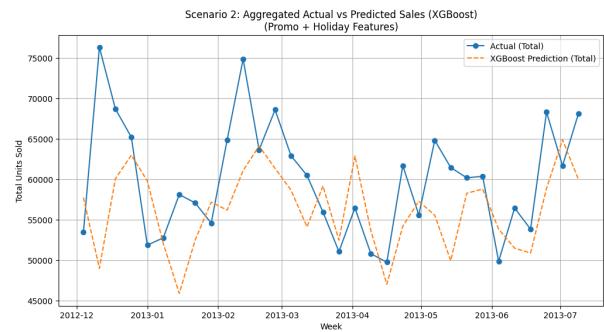
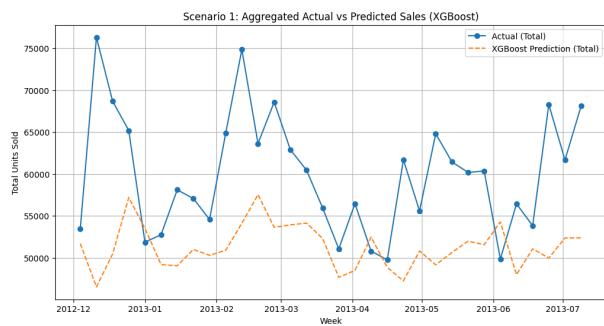
--- Baseline Model Comparison Excluding Extra Features ---		
	RMSE	MAE
XGBoost	41.767511	18.721055
Linear Regression	41.553979	19.146951
Random Forest	42.290362	19.914100

Best Baseline Model: XGBoost

## Scenario 2: Including the external Features (Promo + Holiday)

--- (Promo + Holiday) Model Comparison ---		
	RMSE	MAE
XGBoost	34.983141	16.994791
Random Forest	34.393761	17.508616
Linear Regression	35.142343	18.257599

Best Model (Scenario 2): XGBoost



## Prophet Model Implementation:

--- Prophet Model Results without including extra Features ---		
MAE	: 32.6119	
RMSE	: 60.4334	

--- Prophet (Scenario 2: with Promo + Holiday)---		
MAE	: 36.4442	
RMSE	: 62.6373	

