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Nerie Ann S. Bravo		BSIT 3-1					
Business Requirement	Steps	Input Fields and Files	Output Display and Report	Acceptance Criteria	Priority	Dependencies	Ri
View ML Forecast Dashboard	User accesses the Fuel Forecasting page from the system dashboard. System loads the default forecast view.	None	Display: - Forecast method and period controls - Historical vs Predicted chart - KPI cards for consumption and confidence - Model insights and recommendations	Page loads with accurate forecast data. Visuals (charts, KPIs) are clear. User sees model insights and recommendations.	Must-have	Working /api/fuel endpoint Valid historical data	API unrespoi Data structui
Select Forecast Method	User selects a forecasting model from the dropdown. System fetches updated forecast.	Method dropdown: - ML Ensemble - ARIMA - Neural Network	Updated chart and KPIs based on method selected. Recommendations and metadata change.	Data updates correctly per method. Accuracy and metadata reflect method.	Must-have	Forecast logic in AdvancedForecasting	Incorrect forec misaligned UI u
Adjust Forecast Period	User selects desired number of future months. System fetches forecast data for selected range.	Period dropdown: -1, 3, 6, or 12 months	Chart and KPIs update to reflect the new forecast range.	Period change triggers forecast update. Chart & statistics reflect the new period.	Must-have	Period-sensitive forecast data logic	Inconsistent for or outdated da
Enable Method Comparison	User enables "Compare Methods" toggle. System displays forecast results from all 3 methods.	Toggle button: Compare Methods	Display: - Method cards (ML Ensemble, ARIMA, Neural Network) - KPIs: confidence, forecast total, MAPE, reliability	All methods return forecast values. Metrics shown clearly side by side.	Should-have	All forecast methods implemented & valid	Forecast logic f method UI layout breal
View Model Insights & Recommendations	System shows metadata and recommendations after forecast is generated.	Metadata: method, trend, seasonality, reliability	Insights panel: - Icons for trend & reliability - Text for seasonality & data points - List of recommendations	Forecast model data is visible and makes sense. Recommendations are helpful.	Must-have	Forecast metadata generated by backend or mock	Incorrect or mi
Assess Data Quality	System analyzes available data and	Internal logic: stats.	Badge shown: - Poor. Fair. or Good	Quality badge reflects data count.	Must-have	Accurate filtering of isActual data	Poor badge de