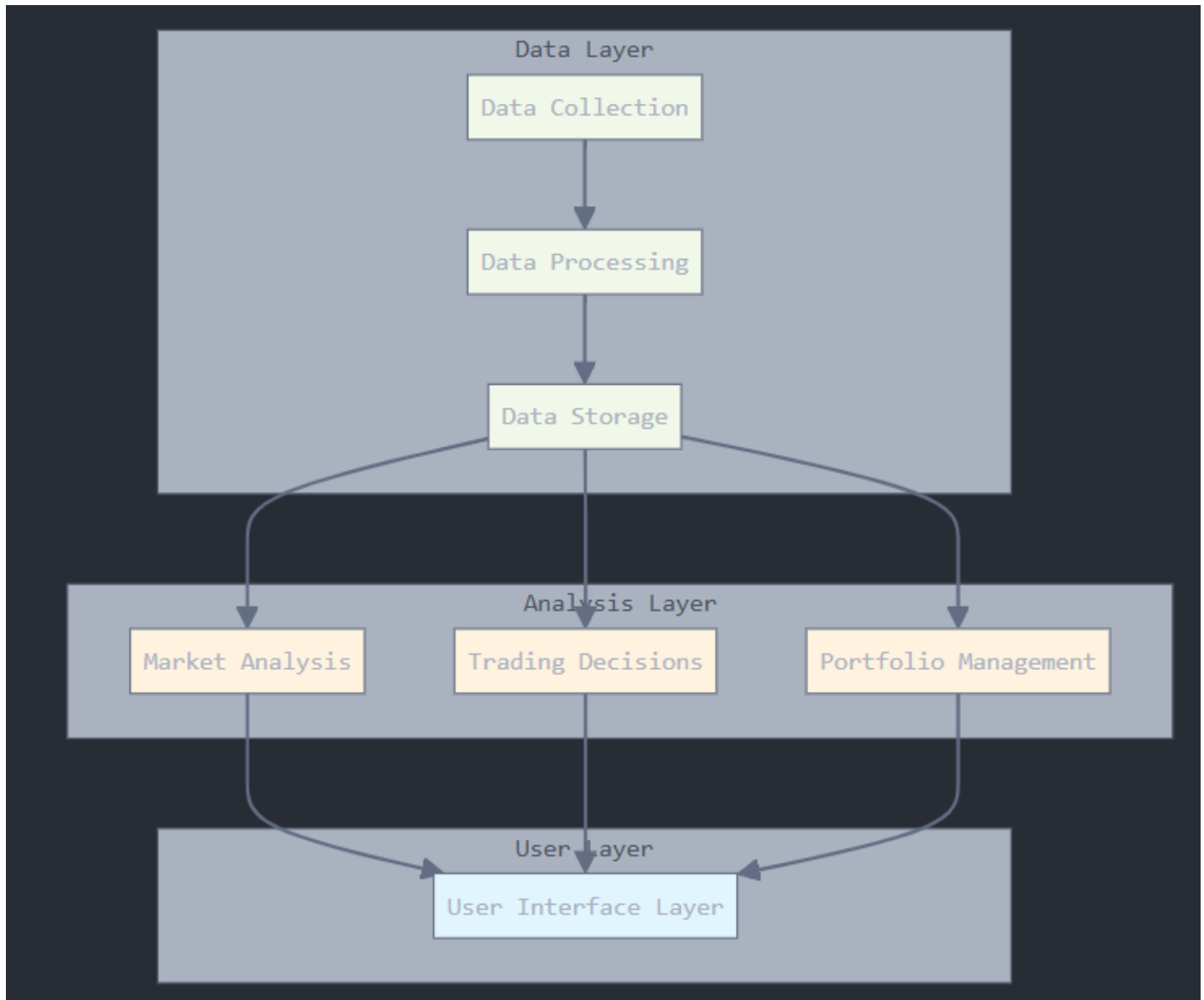


Conceptual Architecture



1. User Layer

- Purpose: Provide intuitive access to market data and analysis
- Components: Dashboard, reports, visualizations
- Capabilities: View market data, receive recommendations, manage portfolio

2. Analysis Layer

- Market Analysis
 - Technical indicators processing
 - Fundamental data analysis
 - Pattern recognition

- Market trend identification
- Trading Decisions
 - Buy/sell recommendations
 - Risk assessment
 - Market opportunity identification
 - Confidence scoring
- Portfolio Management
 - Portfolio tracking
 - Performance monitoring
 - Investment distribution
 - Risk balancing

3. Data Layer

- Data Collection
 - Market data acquisition
 - Company reports gathering
 - Historical data compilation
 - Real-time updates
- Data Processing
 - Data cleaning and validation
 - Format standardization
 - Data enrichment
 - Quality assurance
- Data Storage
 - Historical price archives
 - Processed market data
 - Analysis results
 - Trading recommendations

4. Key Data Flows

- Raw data → Processed data → Analysis
- Analysis results → Trading decisions
- Trading decisions → User recommendations
- Market updates → Real-time processing → Live display

5. Business Rules

- Data validation requirements
- Trading recommendation criteria
- Risk management constraints
- Portfolio diversification rules
- Update frequency requirements

This architecture emphasizes business functionality while remaining technology-agnostic, making it accessible to all stakeholders while providing a clear foundation for technical implementation.