Project Structure

📁 Directory Organization

```
realestate/
├── core/                       # Main application
│   ├── app.py                  # Flask web application
│   └── templates/              # HTML templates
├── analysis/                   # Analysis modules
│   ├── divorce_lead_analyzer.py    # Divorce-specific analysis
│   └── ai_distress_analyzer.py     # AI-powered analysis
├── data/                       # Data storage
│   └── distress_analysis.db        # SQLite database
├── scripts/                    # Utility scripts
│   ├── update_explanations.py      # Update property explanations
│   ├── process_divorce_excel.py    # Process divorce data
│   └── test_dashboard_with_sample_data.py  # Testing
├── src/                        # Core services
│   └── services/
│       └── calculateDistressScore.js  # Distress scoring algorithm
├── __tests__/                  # Test files
│   └── distressScore.test.js       # Algorithm tests
├── uploads/                    # File uploads
├── docs/                       # Documentation
│   └── README.md               # Project documentation
├── requirements.txt            # Python dependencies
├── .gitignore                  # Git ignore rules
└── run_app.py                  # Simple application launcher
```

🚀 Quick Start

```
# Install dependencies
pip install -r requirements.txt

# Run the application
python run_app.py
```

📍 Key Files

- **run_app.py** - Start the application
- **core/app.py** - Main Flask application
- **analysis/divorce_lead_analyzer.py** - Divorce analysis logic
- **src/services/calculateDistressScore.js** - Core distress algorithm
- **data/distress_analysis.db** - Property database (486 properties)