### /Users/abdulazizdot/Desktop/customer-suppaget-lagefntl/app/types/chat.ts

```
// /app/types/chat.ts
export interface FinancialMetadata {
    instruments?: string[];
sentiment?: 'bullish' | 'bearish' | 'neutral';
riskLevel?: 'low' | 'medium' | 'high';
    confidenceScore?: number;
    technicalIndicators?: string[];
    fundamentalFactors?: string[];
  export interface Message {
    id: string;
    role: string;
    content: string;
   metadata?: FinancialMetadata;
  export interface ChatResponse {
    id: string;
    response: string;
    thinking: string; user_mood: string;
    suggested_questions: string[];
    financial_context: {
      instruments_mentioned: string[];
      market_sentiment: 'bullish' | 'bearish' | 'neutral';
risk_level: 'low' | 'medium' | 'high';
       confidence_score: number;
       technical_indicators: string[];
      fundamental_factors: string[];
    };
    debug: {
```

context\_used: boolean;
market\_data\_used: boolean;

};

# /Users/abdulazizdot/Desktop/customer-suppaget-lagefntl/app/config/navigation.ts

### /Users/abdulazizdot/Desktop/customer-suppmertlagen25app/config/market.ts

```
// /app/config/market.ts
export const API_KEY = process.env.NEXT_PUBLIC_TWELVE_DATA_API_KEY |  'demo';
export const API_URL = 'https://api.twelvedata.com';
export interface CompanyLogo {
 meta: {
   symbol: string;
    name: string;
    currency: string;
    exchange: string;
   mic_code: string;
   exchange_timezone: string;
 };
 url: string;
export const SAUDI_MARKET = {
 exchange: 'Tadawul',
 mic_code: 'XSAU',
 currency: 'SAR',
 timezone: 'Asia/Riyadh',
trading_hours: 'Su-Th, 10:00am - 3:00pm',
 data_delay: '15min'
// Updated with correct symbols and standardized format
export const SAUDI_SYMBOLS = [
  // Banks & Financial Services
      {
          symbol: '2222:TADAWUL',
          tickerSymbol: '2222',
          name: 'Saudi Aramco',
          sector: 'Energy',
          website: 'www.saudiaramco.com'
          symbol: '2381:TADAWUL',
          tickerSymbol: '2381',
          name: 'Arabian Drilling',
          name_ar: 'Ø'رÙ\203Ø@ ØŞÙ\204Ø-Ù\201ر ØŞÙ\204عرØ"Ù\212Ø@',
          sector: 'Energy',
          website: 'www.arabdrill.com'
      },
          symbol: '2382:TADAWUL',
          tickerSymbol: '2382',
          name: 'ADES',
         name_ar: 'Ø£Ø-Ù\212Ø3',
          sector: 'Energy',
          website: 'www.adesgroup.com'
      },
          symbol: '2380:TADAWUL',
          tickerSymbol: '2380',
          name: 'Petro Rabigh',
          name_ar: 'Ø"ترÙ\210راØ"ذ',
          sector: 'Energy',
          website: 'www.petrorabigh.com'
          symbol: '4030:TADAWUL',
          tickerSymbol: '4030',
         name: 'Bahri',
name_ar: 'ØSÙ\204Ø"Ø-رÙ\212',
sector: 'Transportation',
          website: 'www.bahri.sa'
      },
          symbol: '4200:TADAWUL',
          tickerSymbol: '4200',
          name: 'Aldrees',
          name_ar: 'اÙ\204Ø Ø±Ù\212Ø3',
          sector: 'Energy',
          website: 'www.aldrees.com'
      },
          symbol: '2030: TADAWUL',
          tickerSymbol: '2030',
          name: 'SARCO',
          name_ar: 'Ø3Ø$رÙ\203Ù\210',
          sector: 'Materials',
          website: 'www.sarco.com.sa'
      },
```

```
{
         symbol: '1202:TADAWUL',
         tickerSymbol: '1202',
         name: 'MEPCO',
         name_ar: '\u00fg'\u00dc\u00dc\u00e4210',
         sector: 'Materials',
         website: 'www.mepco.biz'
},
         symbol: '3007: TADAWUL',
         tickerSymbol: '3007',
        name: 'Oasis',
        name_ar: 'Ù\210اØ-Ø©',
         sector: 'Materials',
         website: 'www.oasis.com.sa'
},
         symbol: '1201:TADAWUL',
         tickerSymbol: '1201',
         name: 'Takween',
        name_ar: 'ØaÙ\203Ù\210Ù\212Ù\206',
         sector: 'Materials',
         website: 'www.takween.com.sa'
},
         symbol: '1322:TADAWUL',
         tickerSymbol: '1322',
         name: 'AMAK',
         name_ar: 'Ø£Ù\205Ù\203',
         sector: 'Materials',
         website: 'www.amak.com.sa'
},
         symbol: '3008:TADAWUL',
         tickerSymbol: '3008',
         name: 'Alkathiri',
         name_ar: 'Ø$\`\204\`\203\%\`\212\\\\212',
sector: 'Materials',
         website: 'www.alkathiri.com'
},
         symbol: '2001:TADAWUL',
         tickerSymbol: '2001',
         name: 'Chemanol',
         name_ar: '\u00fc\203\u00fc\212\u00fc\205\u00fg\\206\u00fc\210\u00fc\204',
         sector: 'Materials',
         website: 'www.chemanol.com'
         symbol: '2010:TADAWUL',
         tickerSymbol: '2010',
         name: 'SABIC',
         name_ar: 'Ø3اØ"Ù\203',
         sector: 'Materials',
         website: 'www.sabic.com'
},
         symbol: '2020:TADAWUL',
         tickerSymbol: '2020',
         name: 'SABIC Agri-Nutrients',
         name_ar: 'Ø3ØSØ"Ù\203 Ù\204Ù\204Ù\205ذذÙ\212ØSØ* ØSÙ\204Ø2رØSعÙ\212Ø©',
         sector: 'Materials',
         website: 'www.sabic-agri.com'
},
         symbol: '2060:TADAWUL',
         tickerSymbol: '2060',
         name: 'Tasnee'
         name_ar: 'تØμÜ\206Ü\212ع',
         sector: 'Materials',
         website: 'www.tasnee.com'
         symbol: '2170:TADAWUL',
         tickerSymbol: '2170',
         name: 'Alujain',
         name_ar: \begin{subarray}{ll} \begin{subarray}{ll
         sector: 'Materials',
         website: 'www.alujain.com'
},
         symbol: '2210:TADAWUL',
         tickerSymbol: '2210',
         name: 'Nama Chemicals',
         name\_ar: \ \ \'u\ 205@\$g; \ \ \dot u\ 204\dot u\ 203\dot u\ 212\dot u\ 205@\$\dot u\ 210\dot u\ 212@\$g^a',
         sector: 'Materials',
```

```
website: 'www.nama.com.sa'
},
{
     symbol: '2250:TADAWUL',
     tickerSymbol: '2250',
     name: 'SIIG',
     name_ar: /ØS\mathring{U}\204\mathring{U}\205\mathring{G}^-\mathring{U}\205\mathring{U}\210\mathring{G}^-\mathring{G} ØS\mathring{U}\204\mathring{G}^3\mathring{G}^1\mathring{U}\210\mathring{G}^-\mathring{U}\212\mathring{G}^-,
     sector: 'Materials',
     website: 'www.siig.com.sa'
     symbol: '2290:TADAWUL',
     tickerSymbol: '2290',
     name: 'Yansab'
     name_ar: '\dot{U}\212\dot{U}\2060^3050''',
    sector: 'Materials',
     website: 'www.yansab.com.sa'
},
     symbol: '2310:TADAWUL',
     tickerSymbol: '2310',
     name: 'Sipchem',
    name_ar: 'Ø3Ø"Ù\203Ù\212Ù\205',
     sector: 'Materials',
     website: 'www.sipchem.com'
},
     symbol: '2330:TADAWUL',
     tickerSymbol: '2330',
     name: 'Advanced',
    name_ar: 'ØSÙ\204Ù\205تÙ\202دÙ\205Ø©',
     sector: 'Materials',
     website: 'www.advancedpetrochem.com'
},
     symbol: '2350:TADAWUL',
     tickerSymbol: '2350',
     name: 'Saudi Kayan',
     sector: 'Materials',
     website: 'www.saudikayan.com'
},
     symbol: '2223:TADAWUL',
     tickerSymbol: '2223',
     name: 'Luberef',
    name_ar: 'Ù\204\bar{v}\210\bar{g}"\geta\tau\212\bar{v}\201',
sector: 'Energy',
vobelt: '
     website: 'www.luberef.com'
},
     symbol: '1301:TADAWUL',
     tickerSymbol: '1301',
     name: 'Aslak',
     name_ar: 'Ø£Ø3Ù\204اÙ\203',
     sector: 'Materials',
     website: 'www.aslak.com.sa'
},
     symbol: '1320:TADAWUL',
     tickerSymbol: '1320',
     name: 'SSP',
     name_ar: 'Ø3Ø"Ù\203Ù\212Ù\205',
     sector: 'Materials',
     website: 'www.ssp.com.sa'
},
     symbol: '2090: TADAWUL',
     tickerSymbol: '2090',
     name: 'NGC',
    name_ar: 'ذاز',
     sector: 'Materials',
     website: 'www.ngc.com.sa'
},
     symbol: '2200:TADAWUL',
     tickerSymbol: '2200',
     name: 'APC',
     name\_ar: \ ' \varnothing \S \grave{U} \backslash 204 \varnothing \pounds \varnothing ^3 \grave{U} \backslash 205 \varnothing ^- \varnothing \varnothing \ \varnothing \S \grave{U} \backslash 204 \varnothing ^1 \varnothing \pm \varnothing ^- \grave{U} \backslash 212 \varnothing \odot ',
     sector: 'Materials',
     website: 'www.apc.com.sa'
     symbol: '2240:TADAWUL',
     tickerSymbol: '2240',
     name: 'Zamil Industrial',
```

### /Users/abdulazizdot/Desktop/customer-suppmert4-agen25/app/config/market.ts

```
name\_ar: \ ' \varnothing \S\grave{u} \backslash 204 \varnothing^2 \varnothing \S\grave{u} \backslash 205 \grave{u} \backslash 204 \ \grave{u} \backslash 204 \grave{u} \backslash 204 \varnothing \mu \grave{u} \backslash 206 \varnothing \S \varnothing^1 \varnothing \complement' \text{,}
                sector: 'Materials',
                website: 'www.zamilindustrial.com'
},
                symbol: '2360:TADAWUL',
                tickerSymbol: '2360',
                name: 'SVCP'
                name_ar: 'Ø$\dot{\}204\dot{\}201\@@Ø$\ر\dot{\}212\@@',
                sector: 'Materials',
                website: 'www.svcp.com.sa'
},
                symbol: '1304:TADAWUL',
                tickerSymbol: '1304',
                name: 'Alyamamah Steel',
                name_ar: \begin{subarray}{ll} $ \begin{suba
                sector: 'Materials',
                website: 'www.alyamamahsteel.com'
},
                symbol: '1321:TADAWUL',
                tickerSymbol: '1321',
                name: 'East Pipes',
                name_ar: 'Ø£Ù\206Ø$Ø"Ù\212Ø" Ø$Ù\204Ø'رÙ\202',
                sector: 'Materials',
                website: 'www.eastpipes.com'
                symbol: '1210:TADAWUL',
                tickerSymbol: '1210',
                name: 'BCI',
                sector: 'Materials',
                website: 'www.bci.com.sa'
},
                symbol: '1211:TADAWUL',
                tickerSymbol: '1211',
                name: 'Maaden',
               name_ar: 'ù\205ø¹ø§ø¯ù\206',
                sector: 'Materials',
                website: 'www.maaden.com.sa'
},
                symbol: '2150:TADAWUL',
                tickerSymbol: '2150',
                name: 'Zoujaj',
                name_ar: 'ØSÙ\204Ø2جØSج',
                sector: 'Materials',
                website: 'www.zoujaj.com'
                symbol: '2180:TADAWUL',
                tickerSymbol: '2180',
                name: 'FIPCO',
                name_ar: \dot{\dot{v}}\201\dot{\dot{v}}\212\dot{\phi}"\dot{\dot{v}}\203\dot{\dot{v}}\210',
                sector: 'Materials',
                website: 'www.fipco.com.sa'
},
                symbol: '2220:TADAWUL',
                tickerSymbol: '2220',
                name: 'Maadaniyah',
                name_ar: 'ù\205ø¹øsø⁻ù\206',
                sector: 'Materials',
                website: 'www.maadaniyah.com'
},
                symbol: '2300:TADAWUL',
                tickerSymbol: '2300',
                name: 'SPM',
                name_ar: 'Ø$\u00fc\\204\u00d93\u00fg"\u00fc\\203',
                sector: 'Materials',
                website: 'www.spm.com.sa'
},
                symbol: '3002:TADAWUL',
                tickerSymbol: '3002',
                name: 'Najran Cement'
                name_ar: \% \pm \emptyset^3 \dot{U} = \dot{U}
                sector: 'Materials',
                website: 'www.najrancement.com'
},
                symbol: '3003:TADAWUL',
```

```
tickerSymbol: '3003',
                     name: 'City Cement'
                    sector: 'Materials',
                     website: 'www.citycement.com.sa'
},
                    symbol: '3004:TADAWUL',
                     tickerSymbol: '3004',
                     name: 'Northern Cement'
                    name_ar: \% \pm \emptyset^3 \dot{U} = 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
                     sector: 'Materials',
                    website: 'www.northerncement.com'
},
                     symbol: '3010:TADAWUL',
                     tickerSymbol: '3010',
                    name: 'ACC',
                     name_ar: /\emptyset \pm \emptyset^3 \dot{U} \ 205 \dot{U} \ 206 \emptyset^a \ \emptyset \ \dot{U} \ 204 \emptyset^1 \emptyset \pm \emptyset'' \dot{U} \ 212 \emptyset \ 0',
                     sector: 'Materials',
                    website: 'www.arabiacement.com.sa'
},
                     symbol: '3020:TADAWUL',
                     tickerSymbol: '3020',
                    name: 'YC',
                    sector: 'Materials',
                    website: 'www.yanbu-cement.com'
},
                     symbol: '3030:TADAWUL',
                     tickerSymbol: '3030',
                     name: 'Saudi Cement',
                     name_ar: \% \pm \emptyset^3 \dot{U} = 0.05 \dot{U} = 0.04 \dot{U} = 0.04
                     sector: 'Materials',
                     website: 'www.saudicement.com.sa'
                     symbol: '3040:TADAWUL',
                    tickerSymbol: '3040',
                    name: 'QACCO',
                    name_ar: \%£\emptyset^3\dot{U}\205\dot{U}\206\emptyset^a \%$\dot{U}\204\dot{U}\202\emptyset\mu\dot{U}\212\dot{U}\205',
                     sector: 'Materials',
                     website: 'www.qcc.com.sa'
},
                     symbol: '3050:TADAWUL',
                     tickerSymbol: '3050',
                    name: 'SPCC',
                    name_ar: 'Ø£Ø3Ù\205Ù\206Øa اÙ\204جÙ\206Ù\210Ø"',
                     sector: 'Materials',
                    website: 'www.spcc.com.sa'
},
                     symbol: '3060:TADAWUL',
                     tickerSymbol: '3060',
                     name: 'YCC',
                    name_ar: \% \pm \emptyset^3 \dot{U} \times 205 \dot{U} \times 206  \dot{U} \times 212 \dot{U} \times 206  \dot{U} \times 212 \dot{U} \times 206 
                     sector: 'Materials',
                    website: 'www.yanbu-cement.com'
                     symbol: '3080:TADAWUL',
                     tickerSymbol: '3080',
                    name: 'EPCCO'
                    name_ar: /\emptyset \pm 0^3 \mathring{U} \times 205 \mathring{U} \times 2060^a \mathscr{O} \times \mathring{U} \times 202 \mathring{U
                     sector: 'Materials',
                     website: 'www.epcco.com.sa'
},
                     symbol: '3090:TADAWUL',
                     tickerSymbol: '3090',
                    name: 'TCC',
                     sector: 'Materials',
                     website: 'www.tcc.sa'
},
                     symbol: '3091:TADAWUL',
                     tickerSymbol: '3091',
                     name: 'Jouf Cement',
                     name_ar: \% \pm \emptyset^3 \dot{U} = 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
                     sector: 'Materials',
                     website: 'www.joufcement.com'
},
```

```
{
                symbol: '3005: TADAWUL',
                tickerSymbol: '3005',
                name: 'UACC',
                name_ar: /\emptyset \pm \emptyset^3 \dot{U} \ 205 \dot{U} \ 206 \emptyset^a \ \emptyset \ \dot{U} \ 204 \dot{U} \ 205 \emptyset^a \emptyset - \emptyset^- \emptyset \ 0',
                sector: 'Materials',
                website: 'www.uacc.com.sa'
},
                symbol: '3092:TADAWUL',
                tickerSymbol: '3092',
                name: 'Riyadh Cement'
                sector: 'Materials',
                website: 'www.riyadhcement.com.sa'
},
                symbol: '4142:TADAWUL',
                tickerSymbol: '4142',
                name: 'Riyadh Cables'
                name_ar: 'Ø$\dark{\dark}\203\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\psi\204\p
                sector: 'Capital Goods',
                website: 'www.riyadh-cables.com'
},
                symbol: '2160:TADAWUL',
                tickerSymbol: '2160',
                name: 'Amiantit'
                name_ar: \% \pm \hat{U} = 205\hat{U} = 2060^{\circ} \hat{U} = 2120^{\circ} \hat{U} 
                sector: 'Capital Goods',
                website: 'www.amiantit.com'
},
                symbol: '4140:TADAWUL',
                tickerSymbol: '4140',
                name: 'SIECO'
                name_ar: 'سÜ\212سÜ\203Ü\210', sector: 'Capital Goods',
                website: 'www.sieco.com.sa'
},
                symbol: '1212:TADAWUL',
                tickerSymbol: '1212',
                name: 'Astra Industrial',
                sector: 'Capital Goods',
                website: 'www.astraindustrial.com'
                symbol: '1302:TADAWUL',
                tickerSymbol: '1302',
                name: 'Bawan',
                name_ar: 'Ø"Ù\210ØSÙ\206',
sector: 'Capital Goods',
                website: 'www.bawan.com.sa'
},
                symbol: '2370: TADAWUL',
                tickerSymbol: '2370',
                name: 'MESC',
               name_ar: '\u00fg\205\00003\u00fg\203',
                sector: 'Capital Goods'
                website: 'www.mesc.com.sa'
},
                symbol: '1303:TADAWUL',
                tickerSymbol: '1303',
                name: 'EIC',
                name_ar: 'Ø¥Ù\212Ù\203',
                sector: 'Capital Goods'
                website: 'www.eic.com.sa'
                symbol: '1214:TADAWUL',
                tickerSymbol: '1214',
                name: 'Shaker'
                name_ar: 'Ø'Ø\S\grave{U}\203Ø\pm',
                sector: 'Capital Goods',
                website: 'www.shaker.com.sa'
},
                symbol: '2320:TADAWUL',
                tickerSymbol: '2320',
                name: 'Albabtain',
                name_ar: 'ØŞÜ\204Ø"ØŞØ"Ø•Ù\212Ù\206', sector: 'Capital Goods',
```

```
website: 'www.albabtain.com.sa'
},
              symbol: '2110:TADAWUL',
              tickerSymbol: '2110',
             name: 'Saudi Cable',
              name_ar: 'Ø$\dark{\dark}\203\pi\204\pi\204\pi\204\pi\204\pi\204\pi\204\pi\204\pi\204\pi\212\pi\204\pi\204\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\pi\212\p
              sector: 'Capital Goods',
             website: 'www.saudicable.com'
              symbol: '2040:TADAWUL',
              tickerSymbol: '2040',
              name: 'Saudi Ceramics'
             name_ar: 'ا\dot{v}\204Ø\dot{v}00'\201 ا\dot{v}\204Ø\dot{v}0'\212', sector: 'Capital Goods',
             website: 'www.saudiceramics.com'
},
              symbol: '4110:TADAWUL',
             tickerSymbol: '4110',
             name: 'BATIC',
             name_ar: 'Ø"اØ^a\dot{U}\203',
              sector: 'Capital Goods',
              website: 'www.batic.com.sa'
},
              symbol: '4141:TADAWUL',
             tickerSymbol: '4141',
              name: 'Alomran',
             name_ar: 'اÙ\204عÙ\205راÙ\206',
              sector: 'Capital Goods',
             website: 'www.alomran.com.sa'
},
              symbol: '4143:TADAWUL',
              tickerSymbol: '4143',
             name: 'TALCO',
             name_ar: 'تØSÙ\204Ù\203Ù\210',
              sector: 'Capital Goods',
             website: 'www.talco.com.sa'
},
              symbol: '4270:TADAWUL',
              tickerSymbol: '4270',
             name: 'SPPC',
             name_ar: 'ØŚŪ\204Ū\205Ø•Ø"عØ©',
sector: 'Commercial & Professional Services',
              website: 'www.sppc.com.sa'
},
              symbol: '1831:TADAWUL',
              tickerSymbol: '1831',
             name: 'Maharah',
              name_ar: '\u00fc\205\u00fc\207\00ft\207\u00fc\end{are}
              sector: 'Commercial & Professional Services',
              website: 'www.maharah.com.sa'
},
              symbol: '6004: TADAWUL',
             tickerSymbol: '6004',
             name: 'Catrion',
              name_ar: \dot{v}\203\phi \sin^2\phi \pm \dot{v}\212\dot{v}\210\dot{v}\206',
              sector: 'Commercial & Professional Services',
              website: 'www.catrion.com.sa'
},
              symbol: '1833:TADAWUL',
              tickerSymbol: '1833',
              name: 'Almawarid',
             name_ar: 'Ø$\dangle \dangle \d
              sector: 'Commercial & Professional Services',
              website: 'www.almawarid.com.sa'
},
              symbol: '1832:TADAWUL',
              tickerSymbol: '1832',
              name: 'Sadr',
             name_ar: 'صدر',
              sector: 'Commercial & Professional Services',
             website: 'www.sadr.com.sa'
              symbol: '1834:TADAWUL',
              tickerSymbol: '1834',
             name: 'Smasco',
```

```
name_ar: /Ø^3\dot{U}\205ØSØ^3\dot{U}\203\dot{U}\210',
     sector: 'Commercial & Professional Services',
     website: 'www.smasco.com.sa'
},
     symbol: '4040:TADAWUL',
     tickerSymbol: '4040',
    name: 'SAPTCO',
    name_ar: 'Ø3ØSØ"ØaÙ\203Û\210',
sector: 'Transportation',
     website: 'www.saptco.com.sa'
},
     symbol: '4260:TADAWUL',
     tickerSymbol: '4260',
    name: 'Budget Saudi',
     name_ar: 'ø"ø^-ø^-ø^aø§\dot{v}\204^3ø^1\dot{v}\210^-\dot{v}\212^00^\prime,
     sector: 'Transportation',
     website: 'www.budgetsaudi.com'
},
     symbol: '4031:TADAWUL',
     tickerSymbol: '4031',
     name: 'SGS',
     name\_ar: \ '\emptyset\S\grave{U}\ 204\emptyset\$\emptyset^-\grave{U}\ 205\emptyset\$\emptyset^a\ \emptyset\S\grave{U}\ 204\emptyset\$\emptyset^+\mathring{U}\ 212\emptyset\$',
     sector: 'Transportation',
     website: 'www.sgs.com.sa'
     symbol: '4261:TADAWUL',
    tickerSymbol: '4261',
    name: 'Theeb',
    name_ar: 'ذÙ\212Ø"',
     sector: 'Transportation',
     website: 'www.theeb.com.sa'
},
     symbol: '4262:TADAWUL',
     tickerSymbol: '4262',
    name: 'Lumi',
    name_ar: '\u00fc\204\u00fc\210\u00fc\212',
     sector: 'Transportation',
    website: 'www.lumi.com.sa'
},
     symbol: '4263:TADAWUL',
     tickerSymbol: '4263',
     name: 'SAL',
    name_ar: 'Ø3اÙ\204',
     sector: 'Transportation',
    website: 'www.sal.com.sa'
     symbol: '2190:TADAWUL',
     tickerSymbol: '2190',
    name: 'SISCO Holding'
    name_ar: 'Ø3Ü\212Ø3Ü\203Ü\210', sector: 'Transportation',
     website: 'www.sisco.com.sa'
},
     symbol: '4180:TADAWUL',
     tickerSymbol: '4180',
     name: 'Fitaihi Group',
     name_ar: \dot{\psi}205\phi-\dot{\psi}205\dot{\psi}210\phi1\phi0\dot{\psi}201\phi2\dot{\psi}212\phi-\dot{\psi}212\dot{\psi}4,
     sector: 'Consumer Durables & Apparel',
     website: 'www.fitaihi.com.sa'
},
     symbol: '4012:TADAWUL',
     tickerSymbol: '4012',
    name: 'Alaseel',
     name_ar: 'ØŞÙ\204Ø£ØμÙ\212Ù\204',
     sector: 'Consumer Durables & Apparel',
     website: 'www.alaseel.com.sa'
},
     symbol: '4011:TADAWUL',
     tickerSymbol: '4011',
     name: 'Lazurde',
    name_ar: \dot{\dot{v}}\204\dot{\phi}\9\dot{\phi}^2\dot{\dot{v}}\210\dot{\phi}\pm\dot{\phi}^-\dot{\dot{v}}\212',
     sector: 'Consumer Durables & Apparel',
     website: 'www.lazurde.com'
},
     symbol: '2130:TADAWUL',
```

```
tickerSymbol: '2130',
         name: 'SIDC',
         name_ar: 'Ø3\\212\\0000^\0000\\203',
         sector: 'Consumer Durables & Apparel',
         website: 'www.sidc.com.sa'
},
         symbol: '1213:TADAWUL',
         tickerSymbol: '1213',
         name: 'Naseej',
         name_ar: '\u00fc\206\00093\u00fc\212\00097',
         sector: 'Consumer Durables & Apparel',
         website: 'www.naseej.com.sa'
},
         symbol: '2340:TADAWUL',
         tickerSymbol: '2340',
         name: 'Artex',
         name_ar: '\emptyset \pm \emptyset \pm \emptyset = \dot{U} \setminus 203 \emptyset^3',
         sector: 'Consumer Durables & Apparel',
         website: 'www.artex.com.sa'
},
         symbol: '1810:TADAWUL',
         tickerSymbol: '1810',
         name: 'Seera'
         name_ar: 'Ø3Ù\212را',
         sector: 'Consumer Services',
         website: 'www.seera.sa'
},
         symbol: '4170:TADAWUL',
         tickerSymbol: '4170',
         name: 'TECO',
         name_ar: 'تÙ\212Ù\203Ù\210',
         sector: 'Consumer Services',
         website: 'www.teco.com.sa'
         symbol: '1820:TADAWUL',
         tickerSymbol: '1820',
         name: 'Alhokair Group'
         name_ar: \dot{v}\205\phi \dot{v}\205\dot{v}\210\phi^1\phi \phi \dot{v}\204\phi \dot{v}\203\dot{v}\212\phi \dot{v},
         sector: 'Consumer Services',
         website: 'www.alhokair.com.sa'
},
         symbol: '6002:TADAWUL',
         tickerSymbol: '6002',
         name: 'Herfy Foods',
         name_ar: '\(\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{\doldred{
         sector: 'Consumer Services',
         website: 'www.herfy.com'
},
         symbol: '6016:TADAWUL',
         tickerSymbol: '6016',
         name: 'Burgerizzr',
         name_ar: 'Ø"رذرØ$Ù\212Ø2Ø2ر',
         sector: 'Consumer Services',
         website: 'www.burgerizzr.com'
         symbol: '6013:TADAWUL',
         tickerSymbol: '6013',
         name: 'DWF',
        name_ar: 'دÜ\210Ü\201',
sector: 'Consumer Services',
         website: 'www.dwf.com.sa'
},
         symbol: '6015:TADAWUL',
         tickerSymbol: '6015',
         name: 'Americana',
         name_ar: 'Ø£Ü\205رÜ\212Ü\203اÜ\206ا',
         sector: 'Consumer Services',
         website: 'www.americana.com.sa'
},
         symbol: '1830:TADAWUL',
         tickerSymbol: '1830',
         name: 'Leejam Sports'
         name_ar: \dot{U}\204\phi \neg \phi \dot{U}\205 \dot{U}\204\dot{U}\204\phi \pm \dot{U}\212\phi \dot{V}\900',
         sector: 'Consumer Services',
         website: 'www.leejam.com.sa'
},
```

```
symbol: '4291:TADAWUL',
    tickerSymbol: '4291',
   name: 'NCLE',
    name_ar: \dot{\hat{U}}\206\dot{\hat{U}}\203\dot{\hat{U}}\204\dot{\hat{U}}\212',
   sector: 'Consumer Services',
   website: 'www.ncle.com.sa'
},
    symbol: '4292:TADAWUL',
   tickerSymbol: '4292',
   name: 'ATAA',
   name_ar: 'عؕاØ¡',
    sector: 'Consumer Services',
    website: 'www.ataa.com.sa'
},
   symbol: '6012:TADAWUL',
    tickerSymbol: '6012',
    name: 'Raydan'
   name_ar: 'راÙ\212داÙ\206',
    sector: 'Consumer Services',
   website: 'www.raydan.com.sa'
},
    symbol: '6014:TADAWUL',
    tickerSymbol: '6014',
   name: 'Alamar',
    name_ar: '\emptyset\S\grave{U}\204\grave{U}\205\emptyset\pm',
    sector: 'Consumer Services'
   website: 'www.alamar.com.sa'
},
    symbol: '4290:TADAWUL',
    tickerSymbol: '4290',
   name: 'Alkhaleej Trng',
   website: 'www.alkhaleej.com.sa'
},
    symbol: '4070:TADAWUL',
    tickerSymbol: '4070',
   name: 'TAPRCO',
    name_ar: 'Ø•Ø$Ø"Ù\203Ù\210',
    sector: 'Media and Entertainment',
    website: 'www.taprco.com.sa'
    symbol: '4210:TADAWUL',
   tickerSymbol: '4210',
   name: 'SRMG',
    sector: 'Media and Entertainment',
    website: 'www.srmg.com'
},
    symbol: '4071:TADAWUL',
    tickerSymbol: '4071',
    name: 'Alarabiya',
   name_ar: 'اÙ\204عرØ"Ù\212Ø©',
    sector: 'Media and Entertainment',
    website: 'www.alarabiya.com.sa'
},
    symbol: '4072:TADAWUL',
    tickerSymbol: '4072',
    name: 'MBC Group',
   name_ar: \dot{U}\205\phi\dot{U}\205\dot{U}\210\phi\dot{D}\ \phi \psi \dot{D}\205 \phi \dot{U}\212 \phi \dot{U}\212
    sector: 'Media and Entertainment',
   website: 'www.mbc.net'
    symbol: '4240:TADAWUL',
    tickerSymbol: '4240',
    name: 'Cenomi Retail'
    sector: 'Consumer Discretionary Distribution & Retail',
    website: 'www.cenomi.com'
},
    symbol: '4190:TADAWUL',
    tickerSymbol: '4190',
   name: 'Jarir'
    name_ar: 'جرù\212ر',
    sector: 'Consumer Discretionary Distribution & Retail',
```

```
website: 'www.jarir.com'
},
    symbol: '4003:TADAWUL',
    tickerSymbol: '4003',
    name: 'Extra',
    name_ar: 'Ø¥Ù\203Ø3Øaرا',
    sector: 'Consumer Discretionary Distribution & Retail',
    website: 'www.extra.com.sa'
    symbol: '4050:TADAWUL',
    tickerSymbol: '4050',
    name: 'SASCO',
    name_ar: 'Ø^3اØ^3\dot{U}\203\dot{U}\210',
    sector: 'Consumer Discretionary Distribution & Retail',
    website: 'www.sasco.com.sa'
},
    symbol: '4192:TADAWUL',
    tickerSymbol: '4192',
    name: 'Alsaif Gallery'
    name_ar: \dot{v}\2050^10\pm0 g\dot{v}\2040^3\dot{v}\212\dot{v}\201',
    sector: 'Consumer Discretionary Distribution & Retail',
    website: 'www.alsaifgallery.com'
},
    symbol: '4051:TADAWUL',
    tickerSymbol: '4051',
    name: 'Baazeem',
    name_ar: 'Ø"Ø$Ø2Ù\212Ù\205',
    sector: 'Consumer Discretionary Distribution & Retail',
    website: 'www.baazeem.com.sa'
},
    symbol: '4191:TADAWUL',
    tickerSymbol: '4191',
    name: 'Abo Moati'.
    name_ar: \%£\emptyset"\dot{U}\210 \dot{U}\205\emptyset1\emptyset•\dot{U}\212',
    sector: 'Consumer Discretionary Distribution & Retail',
    website: 'www.abomoati.com.sa'
    symbol: '4008:TADAWUL',
    tickerSymbol: '4008',
    name: 'SACO',
    name_ar: '\emptyset^3\emptyset\S\grave{U}\setminus203\grave{U}\setminus210',
    sector: 'Consumer Discretionary Distribution & Retail',
    website: 'www.saco.com.sa'
},
    symbol: '4001:TADAWUL',
    tickerSymbol: '4001',
    name: 'A.Othaim Market',
    name_ar: 'Ø£Ø3Ù\210اÙ\202 اÙ\204Ø1Ø«Ù\212Ù\205',
    sector: 'Consumer Staples Distribution & Retail',
    website: 'www.othaimmarkets.com'
},
    symbol: '4161:TADAWUL',
    tickerSymbol: '4161'
    name: 'Bindawood',
    name_ar: 'Ø"Ù\206دØ©',
    sector: 'Consumer Staples Distribution & Retail',
    website: 'www.bindawood.com'
},
    symbol: '4162:TADAWUL',
    tickerSymbol: '4162',
    name: 'Almunajem',
    name_ar: 'اÙ\204\\205\\206\\\205'.
    sector: 'Consumer Staples Distribution & Retail',
    website: 'www.almunajem.com'
},
    symbol: '4164:TADAWUL',
    tickerSymbol: '4164',
    name: 'Nahdi'
    name_ar: 'اÜ\204Ü\206Ü\207دÜ\212',
    sector: 'Consumer Staples Distribution & Retail',
    website: 'www.nahdi.sa'
    symbol: '4163:TADAWUL',
    tickerSymbol: '4163',
    name: 'Aldawaa',
```

```
name_ar: '\emptyset\$\dot{U}\204\emptyset^-\dot{U}\210\emptyset\$\emptyset_i',
      sector: 'Consumer Staples Distribution & Retail',
      website: 'www.aldawaa.com.sa'
},
      symbol: '4160:TADAWUL',
     tickerSymbol: '4160',
     name: 'Thimar',
     name_ar: / g \ll \tilde{v} \backslash 205 g \times g \pm ', sector: / Consumer Staples Distribution & Retail',
      website: 'www.thimar.com.sa'
},
      symbol: '4006:TADAWUL',
      tickerSymbol: '4006',
     name: 'Farm Superstores',
      name_ar: 'Ø£Ø3Û\210اÛ\202 اÛ\204Û\205Ø2رØ1Ø@',
      sector: 'Consumer Staples Distribution & Retail',
      website: 'www.farm.com.sa'
},
      symbol: '4061:TADAWUL',
      tickerSymbol: '4061',
      name: 'Anaam Holding'
      name_ar: 'Ø£Ù\206عاÙ\205',
      sector: 'Consumer Staples Distribution & Retail',
      website: 'www.anaam.com.sa'
      symbol: '6001:TADAWUL',
     tickerSymbol: '6001',
     name: 'HB',
name_ar: 'Ù\207Ø"',
      sector: 'Food & Beverages',
      website: 'www.hb.com.sa'
},
      symbol: '2282:TADAWUL',
      tickerSymbol: '2282',
     name: 'Naqi',
     name_ar: '\u00fc\206\u00fc\202\u00fc\212',
      sector: 'Food & Beverages',
     website: 'www.naqi.com.sa'
},
      symbol: '2283:TADAWUL',
      tickerSymbol: '2283',
      name: 'First Mills'
      name\_ar: \ '\emptyset\S\grave{U}\204\grave{U}\205\emptyset\bullet\emptyset\S\emptyset-\grave{U}\206\ \emptyset\S\grave{U}\204\emptyset\pounds\grave{U}\210\grave{U}\204\grave{U}\211',
      sector: 'Food & Beverages',
     website: 'www.firstmills.com.sa'
      symbol: '2284:TADAWUL',
      tickerSymbol: '2284',
     name: 'Modern Mills'
     name\_ar: \ ' \varnothing \S \grave{u} \backslash 204 \grave{u} \backslash 205 \varnothing \bullet \varnothing \S \varnothing - \grave{u} \backslash 206 \ \varnothing \S \grave{u} \backslash 204 \varnothing - \varnothing ^- \grave{u} \backslash 212 \varnothing \ll \varnothing \varnothing ' \text{,}
      sector: 'Food & Beverages',
      website: 'www.modernmills.com.sa'
},
      symbol: '2285:TADAWUL',
      tickerSymbol: '2285',
     name: 'Arabian Mills',
      name\_ar: \ ' \emptyset \S \grave{U} \setminus 204 \grave{U} \setminus 205 \emptyset \bullet \emptyset \S \emptyset - \grave{U} \setminus 206 \ \emptyset \S \grave{U} \setminus 204 \emptyset ^1 \emptyset \pm \emptyset " \grave{U} \setminus 212 \emptyset @' ,
      sector: 'Food & Beverages',
      website: 'www.arabianmills.com.sa'
},
      symbol: '2286:TADAWUL',
      tickerSymbol: '2286',
     name: 'Fourth Milling'
      name_ar: \%$\hat{U}\204\hat{U}\205\emptyset•\emptyset$\emptyset-\hat{U}\206\emptyset$\hat{U}\204\emptyset±\emptyset$\emptyset"\emptyset1\emptyset0',
      sector: 'Food & Beverages',
      website: 'www.fourthmilling.com.sa'
},
      symbol: '6010: TADAWUL',
      tickerSymbol: '6010',
      name: 'NADEC'
     name_ar: '\dot{U}\2060\%'\dot{U}\203',
      sector: 'Food & Beverages',
      website: 'www.nadec.com.sa'
},
      symbol: '6020:TADAWUL',
```

```
tickerSymbol: '6020',
    name: 'GACO',
    name_ar: 'جÜ\203Ü\210',
    sector: 'Food & Beverages',
    website: 'www.gaco.com.sa'
},
    symbol: '6040: TADAWUL',
    tickerSymbol: '6040',
    name: 'TADCO',
    name_ar: 'تادÙ\203Ù\210',
    sector: 'Food & Beverages',
    website: 'www.tadco.com.sa
},
    symbol: '6050: TADAWUL',
    tickerSymbol: '6050',
    name: 'SFICO',
    name_ar: '\emptyset\mu\dot{U}\201\dot{U}\203\dot{U}\210',
    sector: 'Food & Beverages',
    website: 'www.sfico.com.sa
},
    symbol: '6060: TADAWUL',
    tickerSymbol: '6060',
    name: 'Sharqiyah Dev'
    sector: 'Food & Beverages',
    website: 'www.sharqiyahdev.com.sa'
},
    symbol: '6070: TADAWUL',
    tickerSymbol: '6070',
    name: 'Aljouf',
    name_ar: 'اÙ\204جÙ\210Ù\201',
    sector: 'Food & Beverages',
    website: 'www.aljouf.com.sa'
    symbol: '6090: TADAWUL',
    tickerSymbol: '6090',
    name: 'Jazadco',
    name_ar: 'Ø\negازاØ^-\grave{U}\203\grave{U}\210',
    sector: 'Food & Beverages',
    website: 'www.jazadco.com'
},
    symbol: '2281:TADAWUL',
    tickerSymbol: '2281',
    name: 'Tanmiah',
    name_ar: 'Øaù\206ù\205ù\212Ø@',
    sector: 'Food & Beverages',
    website: 'www.tanmiah.com'
},
    symbol: '2050:TADAWUL',
    tickerSymbol: '2050',
    name: 'Savola Group',
    name_ar: \dot{\dot{U}}205\dot{\phi}\dot{\dot{U}}205\dot{\dot{U}}210\dot{\phi}1\dot{\phi}0\dot{\phi}0\dot{\phi}0\dot{\phi}0\dot{\dot{U}}201\dot{\dot{U}}210\dot{\dot{U}}204\dot{\phi}5\dot{\dot{V}}7,
    sector: 'Food & Beverages',
    website: 'www.savola.com'
    symbol: '2100:TADAWUL',
    tickerSymbol: '2100',
    name: 'Wafrah',
    name_ar: \dot{\mathbf{v}} = 10\dot{\mathbf{v}} = 10\dot{\mathbf{v}}
    sector: 'Food & Beverages',
    website: 'www.wafrah.com.sa'
},
    symbol: '2270:TADAWUL',
    tickerSymbol: '2270',
    name: 'SADAFCO',
    name_ar: 'Ø^3Ø^-Ø\S\mathring{U}\201\mathring{U}\203\mathring{U}\210',
    sector: 'Food & Beverages',
    website: 'www.sadafco.com'
},
    symbol: '2280:TADAWUL',
    tickerSymbol: '2280',
    name: 'Almarai',
    name_ar: \%$\dot{v}\204\dot{v}\205\phi±\phi$\phi1\dot{v}\212',
    sector: 'Food & Beverages',
    website: 'www.almarai.com'
},
```

```
{
                                 symbol: '4080:TADAWUL',
                                 tickerSymbol: '4080',
                                name: 'Sinad Holding',
name_ar: '\emptyset3\dot{\mathbf{v}}\206\emptyset8\dot{\mathbf{v}} \emptyset8\dot{\mathbf{v}}\204\dot{\mathbf{v}}\202\emptyset8\dot{\mathbf{v}} \emptyset9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{
                                sector: 'Food & Beverages',
                                 website: 'www.sinad.com.sa'
 },
                                 symbol: '4014:TADAWUL',
                                tickerSymbol: '4014',
                                name: 'Equipment House'
                                name_ar: 'ø"ù\212øa اù\204ù\205ø1ø~اøa',
                                 sector: 'Health Care Equipment & Services',
                                 website: 'www.equipmenthouse.com.sa'
 },
                                symbol: '4017: TADAWUL',
                                 tickerSymbol: '4017',
                                 name: 'Fakeeh Care'
                                name_ar: '\u00fc\201\u00fc\202\u00fc\207\u00fc\203\u00fc\212\u00fc\207\u00fc\203\u00fc\212\u00fc\207\u00fc\203\u00fc\212\u00fc\207\u00fc\203\u00fc\212\u00fc\207\u00fc\203\u00fc\212\u00fc\207\u00fc\203\u00fc\212\u00fc\207\u00fc\203\u00fc\212\u00fc\207\u00fc\203\u00fc\212\u00fc\207\u00fc\203\u00fc\212\u00fc\207\u00fc\203\u00fc\212\u00fc\207\u00fc\203\u00fc\212\u00fc\207\u00fc\203\u00fc\212\u00fc\207\u00fc\203\u00fc\212\u00fc\207\u00fc\203\u00fc\212\u00fc\207\u00fc\203\u00fc\212\u00fc\207\u00fc\203\u00fc\212\u00fc\207\u00fc\203\u00fc\212\u00fc\207\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\203\u00fc\212\u00fc\212\u00fc
                                 sector: 'Health Care Equipment & Services',
                                website: 'www.fakeeh.care'
 },
                                 symbol: '2140:TADAWUL',
                                 tickerSymbol: '2140',
                                name: 'Ayyan',
                                 name_ar: '\emptyset^1\dot{U}\212\emptyset\S\dot{U}\206',
                                 sector: 'Health Care Equipment & Services',
                                website: 'www.ayyan.com.sa'
},
                                 symbol: '4013:TADAWUL',
                                 tickerSymbol: '4013',
                                name: 'Sulaiman Alhabib',
                                 sector: 'Health Care Equipment & Services',
                                 website: 'www.hmg.com.sa'
 },
                                 symbol: '4005:TADAWUL',
                                 tickerSymbol: '4005',
                                name: 'Care',
                                 name_ar: 'رعاÙ\212Ø©',
                                 sector: 'Health Care Equipment & Services',
                                 website: 'www.care.com.sa'
                                 symbol: '4002:TADAWUL',
                                tickerSymbol: '4002',
                                name: 'Mouwasat',
                                 name_ar: 'Ø$\u00fc\204\u00e4\u00d210\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9\u00d9
                                 sector: 'Health Care Equipment & Services',
                                 website: 'www.mouwasat.com'
 },
                                 symbol: '4004:TADAWUL',
                                 tickerSymbol: '4004',
                                 name: 'Dallah Health'
                                name_ar: /\emptyset^-\dot{U}\204\dot{U}\207 /\emptyset$\dot{U}\204\not{U}\9-\dot{U}\212\not{U}\9.
                                 sector: 'Health Care Equipment & Services',
                                 website: 'www.dallah.com.sa'
 },
                                 symbol: '4007:TADAWUL',
                                 tickerSymbol: '4007',
                                 name: 'Alhammadi',
                                name_ar: 'Ø$\u00fc\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e40\u00e
                                 sector: 'Health Care Equipment & Services',
                                website: 'www.alhammadi.com.sa'
                                 symbol: '4009:TADAWUL',
                                 tickerSymbol: '4009'
                                name: 'Saudi German Health', name_ar: 'ØŞÜ\204^3عÜ\210^0Ü\212 ØŞÜ\204^3£Ü\204^0Ü\212 ØŞÜ\204^0Ü\212 ØŞÜ\212 ØŞÜ\204^0Ü\212 ØŞÜ\212 ØY ØY\212 ØY ØY\212 ØY\21
                                  sector: 'Health Care Equipment & Services',
                                 website: 'www.sgh.com.sa'
 },
                                 symbol: '2230:TADAWUL',
                                 tickerSymbol: '2230',
                                 name: 'Chemical',
                                name_ar: 'Ø$\u00fc\204\u00fc\203\u00fc\212\u00fc\212\u00fc\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\\212\u00fc\\\212\u00fc\\\212\u00fc\\\212\u00fc\\\212\u00fc\\\212\u00fc\\\212\u00fc\\\212\u00fc\\\212\u00fc\\\212\u00fc\\\212\u00fc\\\212\u00fc\\\212\u00fc\\\212\u00fc\\\212\u00fc\\\212\u00fc\\\212\u00fc\\\212\u00fc\\\212\u00fc\\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\\212\u00fc\212\u00fc\\212\u00fc\212\u00fc\212\u00fc\212\u00fc\\212\u00fc\212\u00fc\212\u00fc\212\u00fc\212\u00fc\212\u00fc\212\u00fc\212\u00fc\212\u00fc\212\u00fc\212\u00fc\212\u00fc\212\u00fc\212\u00fc\212\u00fc\212\u00fc\212\u00fc\212\u00fc\212\u00fc\2
```

```
website: 'www.chemical.com.sa'
},
{
         symbol: '2070: TADAWUL',
         tickerSymbol: '2070',
         name: 'SPIMACO',
         name_ar: 'Ø3Ø"Ù\212Ù\205اÙ\203Ù\210',
         sector: 'Pharma, Biotech & Life Sciences',
         website: 'www.spimaco.com.sa'
         symbol: '4015:TADAWUL',
         tickerSymbol: '4015',
         name: 'Jamjoom Pharma'
         name_ar: \prescript{'}\prescript{\emptyset}\prescript{\delta}\prescript{205}\prescript{\emptyset}\prescript{\delta}\prescript{205}\prescript{\emptyset}\prescript{\delta}\prescript{201}\prescript{\emptyset}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta}\prescript{\delta
         sector: 'Pharma, Biotech & Life Sciences',
         website: 'www.jamjoompharma.com'
},
         symbol: '4016:TADAWUL',
         tickerSymbol: '4016',
         name: 'Avalon Pharma'
         name\_ar: \ '\emptyset \pounds \mathring{\textbf{v}} \backslash 201 \not 0 \lessgtr \mathring{\textbf{v}} \backslash 204 \mathring{\textbf{v}} \backslash 210 \mathring{\textbf{v}} \backslash 206 \ \mathring{\textbf{v}} \backslash 201 \not 0 \lessgtr \not 0 + \mathring{\textbf{v}} \backslash 205 \not 0 \lessgtr ',
         sector: 'Pharma, Biotech & Life Sciences',
         website: 'www.avalonpharma.com'
},
         symbol: '1010:TADAWUL',
         tickerSymbol: '1010',
         name: 'Riyad Bank'
        name_ar: 'Ø"Ù\206Ù\203 ØŞÙ\204رÙ\212ØSض',
         sector: 'Banks',
         website: 'www.riyadbank.com'
},
         symbol: '1020:TADAWUL',
         tickerSymbol: '1020',
         name: 'BJAZ',
         name_ar: 'Ø"Ù\206Ù\203 Ø$Ù\204جزÙ\212رØ©',
         sector: 'Banks',
         website: 'www.bjaz.com.sa'
},
         symbol: '1030:TADAWUL',
         tickerSymbol: '1030',
         name: 'SAIB',
         sector: 'Banks',
         website: 'www.saib.com.sa'
},
         symbol: '1050:TADAWUL',
         tickerSymbol: '1050',
         name_ar: 'ØŞÜ\204Ø"Ù\206Ü\203 ØŞÜ\204Ø3Ø1Ü\210Ø"Ù\212 ØŞÜ\204Ü\201رÜ\206Ø3Ü\212',
         sector: 'Banks',
         website: 'www.bsf.com.sa'
},
         symbol: '1060: TADAWUL',
         tickerSymbol: '1060',
         name: 'SAB',
         name\_ar: \ '\emptyset\$\mathring{v}\ 204\emptyset"\mathring{v}\ 206\mathring{v}\ 203\ \emptyset\$\mathring{v}\ 204\emptyset^3\emptyset^1\mathring{v}\ 210\emptyset"\mathring{v}\ 212\ \emptyset\$\mathring{v}\ 204\emptyset"\emptyset^2\mathring{v}\ 212\emptyset*\emptyset\$\mathring{v}\ 2120*\emptyset\$\mathring{v}\ 2120*\emptyset\$\mathring{v}\ 206\mathring{v}\ 212',
         sector: 'Banks',
         website: 'www.sabb.com'
},
         symbol: '1080:TADAWUL',
         tickerSymbol: '1080',
         name: 'ANB',
         sector: 'Banks',
         website: 'www.anb.com.sa'
},
         symbol: '1120:TADAWUL',
         tickerSymbol: '1120',
         name: 'Alrajhi',
         name_ar: '\u00fc\205\pu\psi\201 \psi\204\psi\204\psi\204\psi\212',
         sector: 'Banks',
         website: 'www.alrajhibank.com.sa'
         symbol: '1140:TADAWUL',
         tickerSymbol: '1140',
         name: 'Albilad',
```

```
name_ar: 'Ø"Ù\206Ù\203 Ø$Ù\204Ø"Ù\204Ø$Ø~',
          sector: 'Banks',
          website: 'www.bankalbilad.com'
},
          symbol: '1150:TADAWUL',
          tickerSymbol: '1150',
         name: 'Alinma'
         name_ar: /\emptyset"\dot{v}\206\dot{v}\203 /\emptyset$\dot{v}\204/\emptyset$\dot{v}\206\dot{v}\205/\emptyset$/\emptyset$/\emptyset$, sector: /Banks',
          website: 'www.alinma.com'
},
          symbol: '1180:TADAWUL',
          tickerSymbol: '1180',
         name: 'SNB',
         name\_ar: '\emptyset\S\grave{U}\204\emptyset'`\grave{U}\206\grave{U}\203\ \emptyset\S\grave{U}\204\emptyset£\grave{U}\207\grave{U}\212\ \emptyset\S\grave{U}\204\emptyset'^212\ \emptyset\S\grave{U}\204\emptyset'^212',
          sector: 'Banks',
         website: 'www.alahli.com'
},
          symbol: '1183:TADAWUL',
          tickerSymbol: '1183',
          name: 'SHL',
          name_ar: 'Ø'Ù\204Ù\207',
          sector: 'Financial Services',
          website: 'www.shl.com.sa'
          symbol: '1182:TADAWUL',
         tickerSymbol: '1182',
         name: 'Amlak',
         name_ar: /\emptyset \pm \hat{U} \ 205 \hat{U} \ 204 \emptyset 
          sector: 'Financial Services',
          website: 'www.amlak.com.sa'
},
          symbol: '4081:TADAWUL',
          tickerSymbol: '4081',
         name: 'Nayifat',
         name_ar: 'Ù\206اÙ\212Ù\201اØa',
          sector: 'Financial Services',
         website: 'www.nayifat.com.sa'
},
          symbol: '1111:TADAWUL',
          tickerSymbol: '1111',
          name: 'Tadawul Group'
          name_ar: \dot{v}\205\phi \dot{v}\205\dot{v}\210\phi \dot{o} \phi^2\phi^2\phi \dot{v}\210\dot{v}\204',
          sector: 'Financial Services',
         website: 'www.tadawul.com.sa'
          symbol: '4082:TADAWUL',
          tickerSymbol: '4082',
         name: 'MRNA',
         name_ar: '\u00fc\u00e4205\u00a9t\u00e4\u00d206\u00a96\u00a96\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4
          sector: 'Financial Services',
          website: 'www.mrna.com.sa'
},
          symbol: '4130:TADAWUL',
          tickerSymbol: '4130',
         name: 'Albaha',
          name_ar: 'اÙ\204Ø"اØ-Ø©',
          sector: 'Financial Services',
          website: 'www.albaha.com.sa'
},
          symbol: '2120:TADAWUL',
         tickerSymbol: '2120',
         name: 'SAIC',
          name_ar: 'Ø3Ù\212Ø3Ù\203Ù\210',
         sector: 'Financial Services',
          website: 'www.saic.com.sa'
},
          symbol: '4280:TADAWUL',
          tickerSymbol: '4280',
          name: 'Kingdom',
         name_ar: 'øsù\204ù\205ù\205ù\204ù\203ø@',
          sector: 'Financial Services',
          website: 'www.kingdom.com.sa'
},
          symbol: '8313:TADAWUL',
```

```
tickerSymbol: '8313',
    name: 'Rasan',
    name_ar: 'Ø\pmØ^3Ø\$\dot{U}\206',
    sector: 'Insurance',
    website: 'www.rasan.com.sa'
},
    symbol: '8010:TADAWUL',
    tickerSymbol: '8010',
    name: 'Tawuniya',
    name_ar: 'Ø$\u00fc\204\0004\0000\212\0000',
    sector: 'Insurance',
    website: 'www.tawuniya.com.sa'
},
    symbol: '8020:TADAWUL',
    tickerSymbol: '8020',
    name: 'Malath Insurance',
    name_ar: \dot{\nu}\205\dot{\nu}\204\phi \ \dot{\nu}\204\dot{\nu}\204\phi \ \dot{\nu}\205\dot{\nu}\212\dot{\nu}\206',
    sector: 'Insurance',
    website: 'www.malath.com.sa'
},
    symbol: '8030:TADAWUL',
    tickerSymbol: '8030',
    name: 'Medgulf',
    sector: 'Insurance',
    website: 'www.medgulf.com.sa'
},
    symbol: '8060:TADAWUL',
    tickerSymbol: '8060',
    name: 'Walaa',
    name_ar: 'ù\210ù\204Ø$Ø;',
    sector: 'Insurance',
    website: 'www.walaa.com.sa'
    symbol: '8040:TADAWUL',
    tickerSymbol: '8040',
    name: 'Allianz SF',
    name_ar: /\emptyset£\dot{U}\204\dot{U}\212\emptyset\S\dot{U}\206\emptyset^2 \emptyset¥\emptyset3 \emptyset¥\dot{U}\201',
    sector: 'Insurance',
    website: 'www.allianz.com.sa'
},
    symbol: '8070: TADAWUL',
    tickerSymbol: '8070',
    name: 'Arabian Shield',
    name_ar: \langle \emptyset \S \hat{U} \rangle 204 \emptyset^{-} \emptyset \pm \emptyset^{1} \emptyset \S \hat{U} \rangle 204 \emptyset^{1} \emptyset \pm \emptyset^{-} \hat{U} \rangle 212',
    sector: 'Insurance',
    website: 'www.arabianshield.com.sa'
},
    symbol: '8050:TADAWUL',
    tickerSymbol: '8050',
    name: 'Salama',
    name_ar: 'Ø3 Ù\204Ø$ Ù\205Ø@',
    sector: 'Insurance',
    website: 'www.salama.com.sa'
    symbol: '8100:TADAWUL',
    tickerSymbol: '8100',
    name: 'SAICO',
    name_ar: 'ساÙ\212Ù\203Ù\210',
sector: 'Insurance',
    website: 'www.saico.com.sa'
},
    symbol: '8012:TADAWUL',
    tickerSymbol: '8012',
    name: 'Jazira Takaful'
    sector: 'Insurance',
    website: 'www.jaziratakaful.com.sa'
},
    symbol: '8120:TADAWUL',
    tickerSymbol: '8120',
    name: 'Gulf Union Alahlia',
    sector: 'Insurance',
    website: 'www.gulfunion.com.sa'
},
```

```
{
          symbol: '8150:TADAWUL',
          tickerSymbol: '8150',
          name: 'ACIG'
         name_ar: 'ا\dot{v}\204\dot{v}\205\dot{v}\205\dot{v}\210\dot{v}\@ ا\dot{v}\204\dot{v}\205\dot{v}^*Ø=\dot{v}-ذ, sector: 'Insurance',
          website: 'www.acig.com.sa'
},
          symbol: '8160:TADAWUL',
          tickerSymbol: '8160',
         name: 'AICC',
         name_ar: 'Ø£Ù\203Ø3ا',
          sector: 'Insurance',
          website: 'www.aicc.com.sa'
},
          symbol: '8170:TADAWUL',
          tickerSymbol: '8170',
          name: 'Aletihad',
         name_ar: 'ØSÙ\204ØSتØ-ØSØ'',
          sector: 'Insurance',
          website: 'www.aletihad.com.sa'
},
          symbol: '8180:TADAWUL',
          tickerSymbol: '8180',
          name: 'Alsagr Insurance',
          name\_ar: \ ' \varnothing \S \grave{U} \backslash 204 \varnothing \mu \grave{U} \backslash 202 \varnothing \pm \ \grave{U} \backslash 204 \grave{U} \backslash 204 \varnothing^a \varnothing \pounds \grave{U} \backslash 205 \grave{U} \backslash 212 \grave{U} \backslash 206',
          sector: 'Insurance',
          website: 'www.alsagr.com.sa'
},
          symbol: '8190:TADAWUL',
          tickerSymbol: '8190',
          name: 'UCA',
          name_ar: 'ا\dot{v}\204\dot{v}\205\dot{g}°\dot{g}-\ddot{g}-\ddot{g}0\dot{g}0 \dot{v}\204\dot{v}\204\dot{g}°\dot{g}£\dot{v}\205\dot{v}\212\dot{v}\206', sector: 'Insurance',
          website: 'www.uca.com.sa'
},
          symbol: '8200:TADAWUL',
          tickerSymbol: '8200',
          name: 'Saudi Re',
          name_ar: 'إعØ$دØ© Ø$Ù\204سعÙ\210دÙ\212Ø©',
          sector: 'Insurance',
          website: 'www.saudire.com'
          symbol: '8210:TADAWUL',
          tickerSymbol: '8210',
          name: 'Bupa Arabia',
          name_ar: ^{'}Ø"\dot{v}\210Ø"\dot{v}S ØS\dot{v}\204Ø'\dot{v}±Ø"\dot{v}\212Ø\dot{v}', sector: 'Insurance',
          website: 'www.bupa.com.sa'
},
          symbol: '8230:TADAWUL',
          tickerSymbol: '8230',
          name: 'Alrajhi Takaful'
          name_ar: '@a\u00cd\203@\u00ed\201\u00dd\204 @\u00ed\204\u00ed\204\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\u00ed\
          sector: 'Insurance',
          website: 'www.alrajhitakaful.com'
},
          symbol: '8240:TADAWUL',
          tickerSymbol: '8240',
          name: 'Chubb',
          name_ar: 'تØ'Ø"',
          sector: 'Insurance',
          website: 'www.chubb.com.sa'
          symbol: '8250:TADAWUL',
          tickerSymbol: '8250',
          name: 'GIG',
          name_ar: ^\primeج\dot{\textbf{U}}\212 آ\dot{\textbf{U}}\212 ج\dot{\textbf{U}}\212 ′,
          sector: 'Insurance',
          website: 'www.gig.com.sa'
},
          symbol: '8260:TADAWUL',
          tickerSymbol: '8260',
          name: 'Gulf General',
          name_ar: 'ØŞÜ\204Ø®Ü\204Ü\212Ø® ØŞÜ\204عØŞÜ\205Ø®', sector: 'Insurance',
```

```
website: 'www.gulfgeneral.com.sa'
},
{
    symbol: '8270:TADAWUL',
    tickerSymbol: '8270',
    name: 'Buruj',
    name_ar: 'Ø"رÙ\210ج',
sector: 'Insurance',
    website: 'www.buruj.com.sa'
    symbol: '8280:TADAWUL',
    tickerSymbol: '8280',
    name: 'Liva',
    name_ar: \dot{v}\204\dot{v}\212\dot{v}\2010,
    sector: 'Insurance',
    website: 'www.liva.com.sa'
},
    symbol: '8300:TADAWUL',
    tickerSymbol: '8300',
    name: 'Wataniya',
    sector: 'Insurance',
    website: 'www.wataniya.com.sa'
},
    symbol: '8310:TADAWUL',
    tickerSymbol: '8310',
    name: 'Amana Insurance',
    name_ar: 'Ø£Ü\205ØŞÜ\206Ø© Ü\204Ü\204تØ£Ü\205Ü\212Ü\206',
    sector: 'Insurance',
    website: 'www.amana.com.sa'
},
    symbol: '8311:TADAWUL',
    tickerSymbol: '8311',
    name: 'Enaya',
    name_ar: 'عÙ\206اÙ\212Ø©',
    sector: 'Insurance',
    website: 'www.enaya.com.sa'
},
    symbol: '7010:TADAWUL',
    tickerSymbol: '7010',
    name: 'STC',
    name_ar: 'إس تÜ\212 سÙ\212',
sector: 'Telecommunication Services',
    website: 'www.stc.com.sa'
},
    symbol: '7020:TADAWUL',
    tickerSymbol: '7020',
    name: 'Etihad Etisalat',
    name_ar: 'Ø$تØ-Ø$Ø- Ø$تصØ$Û\204Ø$ت',
    sector: 'Telecommunication Services',
    website: 'www.mobily.com.sa'
},
    symbol: '7030:TADAWUL',
    tickerSymbol: '7030',
    name: 'Zain KSA',
    name_ar: / Ø^2 \dot{U} \ 212 \dot{U} \ 206 \ Ø \dot{S} \dot{U} \ 204 \ Ø^3 \ Ø^1 \dot{U} \ 210 \ Ø^- \dot{U} \ 212 \ Ø \otimes^- ,
    sector: 'Telecommunication Services',
    website: 'www.sa.zain.com'
},
    symbol: '7040:TADAWUL',
    tickerSymbol: '7040',
    name: 'Atheeb Telecom',
    name_ar: '\emptyset \S \emptyset^a \emptyset \mu \emptyset \S \mathring{U} \setminus 204 \emptyset \S \emptyset^a \emptyset^1 \emptyset \circ \mathring{U} \setminus 212 \emptyset 
    sector: 'Telecommunication Services',
    website: 'www.atheeb.com.sa'
},
    symbol: '2080:TADAWUL',
    tickerSymbol: '2080',
    name: 'GASCO',
    name_ar: 'ذØ$زÙ\203Ù\210',
    sector: 'Utilities',
    website: 'www.gasco.com.sa'
    symbol: '5110:TADAWUL',
    tickerSymbol: '5110',
    name: 'Saudi Electricity',
```

```
sector: 'Utilities',
         website: 'www.se.com.sa'
},
         symbol: '2084:TADAWUL',
         tickerSymbol: '2084',
         name: 'Miahona'
         name_ar: '\u00fc\205\u00fc\212\u00fg\\207\u00fc\206\u00fg\', sector: 'Utilities',
         website: 'www.miahona.com.sa'
},
         symbol: '2081:TADAWUL',
         tickerSymbol: '2081',
         name: 'AWPT',
         sector: 'Utilities',
         website: 'www.awpt.com.sa'
},
         symbol: '2082:TADAWUL',
         tickerSymbol: '2082',
         name: 'ACWA Power',
         name_ar: 'Ø£Ù\203Ù\210Ø$ Ø"Ø$Ù\210ر',
         sector: 'Utilities',
         website: 'www.acwapower.com'
         symbol: '2083:TADAWUL',
         tickerSymbol: '2083',
         name: 'Marafiq',
         sector: 'Utilities',
         website: 'www.marafiq.com.sa'
},
         symbol: '4330:TADAWUL',
         tickerSymbol: '4330',
         name: 'Riyad REIT'
         name_ar: \langle \emptyset \rangle \hat{U} \rangle 204\emptyset \pm \hat{U} \rangle 212\emptyset \otimes \emptyset  \emptyset \pm \hat{U} \rangle 212\emptyset a^2,
         sector: 'REITs',
         website: 'www.riyadreit.com'
},
         symbol: '4331:TADAWUL',
         tickerSymbol: '4331',
         name: 'Aljazira REIT'
         sector: 'REITs',
         website: 'www.aljazirareit.com'
},
         symbol: '4332:TADAWUL',
         tickerSymbol: '4332',
         name: 'Jadwa REIT Alharamain',
         name\_ar:~ \text{'} \varnothing \neg \varnothing \neg \mathring{\upsilon} \backslash 210\mathring{\upsilon} \backslash 211~ \varnothing \pm \mathring{\upsilon} \backslash 212 \varnothing^a~ \varnothing \S \mathring{\upsilon} \backslash 204 \varnothing - \varnothing \pm \mathring{\upsilon} \backslash 205 \mathring{\upsilon} \backslash 212 \mathring{\upsilon} \backslash 206 \text{'},
         sector: 'REITs',
         website: 'www.jadwareit.com'
},
         symbol: '4333:TADAWUL',
         tickerSymbol: '4333',
         name: 'Taleem REIT'
         name_ar: 'تعÙ\204Ù\212Ù\205 رÙ\212ت',
         sector: 'REITs',
         website: 'www.taleemreit.com'
},
         symbol: '4334:TADAWUL',
         tickerSymbol: '4334',
         name: 'Al Maather REIT',
         name_ar: 'Ø$\darkappa \lambda 204\darkappa \lambda 205\darkappa \darkappa \d
         sector: 'REITs',
         website: 'www.almaatherreit.com'
},
         symbol: '4335:TADAWUL',
         tickerSymbol: '4335',
         name: 'Musharaka REIT'
         name_ar: \dot{v}\205\emptyset'\emptyset\S\emptyset\pm\dot{v}\203\emptyset\emptyset'\emptyset\pm\dot{v}\212\emptyset^a',
         sector: 'REITs',
         website: 'www.musharakareit.com'
},
         symbol: '4336:TADAWUL',
```

```
tickerSymbol: '4336',
         name: 'Mulkia REIT'
         sector: 'REITs',
         website: 'www.mulkiareit.com'
},
         symbol: '4337:TADAWUL',
         tickerSymbol: '4337',
         name: 'SICO Saudi REIT'
         name\_ar: \ '\emptyset^3\dot{\textbf{v}}\backslash 212\dot{\textbf{v}}\backslash 203\dot{\textbf{v}}\backslash 210 \ \emptyset \\ S\dot{\textbf{v}}\backslash 204\emptyset^3\emptyset^1\dot{\textbf{v}}\backslash 210\emptyset^-\dot{\textbf{v}}\backslash 212\emptyset0 \ \emptyset \\ \pm\dot{\textbf{v}}\backslash 212\emptyset^a \ \prime \ ,
         sector: 'REITs',
         website: 'www.sicoreit.com'
},
         symbol: '4338:TADAWUL',
         tickerSymbol: '4338',
         name: 'Alahli REIT 1',
         name_ar: 'Ø$\u00fc\204\u00df\207\u00fc\204\u00fc\212\u00df\212\u00df\212\u00df\212\u00df\212\u00df\212\u00df\212\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u
         sector: 'REITs',
         website: 'www.alahlireit.com'
},
         symbol: '4344:TADAWUL',
         tickerSymbol: '4344',
         name: 'Sedco Capital REIT',
         sector: 'REITs',
         website: 'www.sedcoreit.com'
},
         symbol: '4339:TADAWUL',
         tickerSymbol: '4339',
         name: 'Derayah REIT',
         name_ar: /\emptyset^-\emptyset \pm \emptyset \$ \hat{U} \ 212 \emptyset \otimes \emptyset \pm \hat{U} \ 212 \emptyset a',
         sector: 'REITs',
         website: 'www.derayahreit.com'
         symbol: '4340:TADAWUL',
         tickerSymbol: '4340',
        name: 'Al Rajhi REIT',
name_ar: 'ØŞ\mathring{\mathbf{v}}\204\mathring{\mathbf{v}}±\mathring{\mathbf{v}}$\mathring{\mathbf{v}}\212\mathring{\mathbf{v}}±\mathring{\mathbf{v}}\212\mathring{\mathbf{v}}*',
         sector: 'REITs',
         website: 'www.alrajhireit.com'
},
         symbol: '4345:TADAWUL',
         tickerSymbol: '4345',
name: 'Alinma Retail REIT',
         sector: 'REITs',
         website: 'www.alinmareit.com'
},
         symbol: '4342:TADAWUL',
         tickerSymbol: '4342',
         name: 'Jadwa REIT Saudi',
         sector: 'REITs',
         website: 'www.jadwareit.com'
         symbol: '4346:TADAWUL',
         tickerSymbol: '4346',
         name: 'MEFIC REIT',
         name_ar: \dot{v}\205\dot{v}\212\dot{v}\201\dot{v}\203 ر\dot{v}\212\dot{v},
         sector: 'REITs',
         website: 'www.meficreit.com'
},
         symbol: '4347:TADAWUL',
         tickerSymbol: '4347',
         name: 'Bonyan REIT',
         name_ar: 'Ø"Ù\206Ù\212ØSÙ\206 رÙ\212Øa',
         sector: 'REITs',
         website: 'www.bonyanreit.com'
},
         symbol: '4348:TADAWUL',
         tickerSymbol: '4348',
         name: 'Alkhabeer REIT'
         name_ar: 'Ø$\dagg\dagg\dagg\dagg\dagga',
         sector: 'REITs',
         website: 'www.alkhabeerreit.com'
},
```

```
{
                       symbol: '4349:TADAWUL',
                       tickerSymbol: '4349',
                       name: 'Alinma Hospitality REIT',
                       name_ar: 'ØŞÙ\204Ø¥Ù\206Û\205ØŞØ; رÙ\212ت Ù\204Û\204ضÙ\212Ø$Ù\201Ø@',
                      sector: 'REITs',
                      website: 'www.alinmareit.com'
},
                       symbol: '4350:TADAWUL',
                      tickerSymbol: '4350',
                      name: 'Alistithmar REIT',
                      name_ar: /ØS\dot{U}\204ØSØ^3Ø^2Ø&\dot{U}\205ØSØ\pm Ø\pm\dot{U}\212Ø^2/
                       sector: 'REITs',
                       website: 'www.alistithmarreit.com'
},
                      symbol: '4020:TADAWUL',
                       tickerSymbol: '4020',
                       name: 'Alakaria',
                      name_ar: 'Ø$\u00fc\u00e40\u00e4\u00fc\u00e40\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00
                       sector: 'Real Estate Mgmt & Dev\'t',
                      website: 'www.alakaria.com.sa'
},
                       symbol: '4090:TADAWUL',
                       tickerSymbol: '4090',
                      name: 'Taiba',
                       name_ar: 'Ø•ù\2120"00',
                       sector: 'Real Estate Mgmt & Dev\'t',
                      website: 'www.taiba.com.sa'
},
                       symbol: '4100:TADAWUL',
                       tickerSymbol: '4100',
                      name: 'MCDC',
                      name_ar: 'Ù\205Ù\203Ø@',
sector: 'Real Estate Mgmt & Dev\'t',
                       website: 'www.mcdc.com.sa'
},
                       symbol: '4150:TADAWUL',
                       tickerSymbol: '4150',
                      name: 'ARDCO',
                       name_ar: 'Ø$Ù\204أرض',
                       sector: 'Real Estate Mgmt & Dev\'t',
                       website: 'www.ardco.com.sa'
                       symbol: '4220:TADAWUL',
                      tickerSymbol: '4220',
                      name: 'Emaar EC',
                       name\_ar: \ '@ \S @ 1 \mathring{v} \ 205 @ 5 \mathring{v} \ 204 \mathring{v} \ 205 @ 5 \mathring{v} \ 204 \mathring{v} \ 202 @ 204 \mathring{v} \ 202 \mathring{v} \ 202 @ 204 \mathring{v} \
                       sector: 'Real Estate Mgmt & Dev\'t',
                       website: 'www.emaar.com.sa'
},
                       symbol: '4250:TADAWUL',
                       tickerSymbol: '4250',
                       name: 'Jabal Omar',
                      name_ar: 'جØ"Ù\204 عÙ\205ر',
                       sector: 'Real Estate Mgmt & Dev\'t',
                       website: 'www.jabalomar.com.sa'
},
                       symbol: '4300:TADAWUL',
                       tickerSymbol: '4300',
                       name: 'Dar Alarkan',
                      name_ar: /\emptyset^-\emptyset$\emptyset$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}$\dot{\emptyset}
                       sector: 'Real Estate Mgmt & Dev\'t',
                      website: 'www.daralarkan.com'
                       symbol: '4310:TADAWUL',
                       tickerSymbol: '4310',
                       name: 'KEC',
                       name_ar: '\u00fc\u00e4203\u00fc\u00e4212\u00fc\u00e4203',
                       sector: 'Real Estate Mgmt & Dev\'t',
                       website: 'www.kec.com.sa'
},
                       symbol: '4320:TADAWUL',
                       tickerSymbol: '4320',
                      name: 'Alandalus',
                      name_ar: 'ØŞÜ\204Ø£Ü\206دÜ\204س',
sector: 'Real Estate Mgmt & Dev\'t',
```

```
website: 'www.alandalus.com.sa'
},
    symbol: '4321:TADAWUL',
    tickerSymbol: '4321',
    name: 'Cenomi Centers'
    name_ar: '\emptyset^3\dot{U}\212\dot{U}\206\dot{U}\210\dot{U}\205\dot{U}\212 \emptyset^3\dot{U}\206\emptyset^a\emptyset^\pm\emptyset^2',
    sector: 'Real Estate Mgmt & Dev\'t',
    website: 'www.cenomicenters.com'
    symbol: '4322:TADAWUL',
    tickerSymbol: '4322',
    name: 'Retal',
    name_ar: 'رتاÙ\204',
    sector: 'Real Estate Mgmt & Dev\'t',
    website: 'www.retal.com.sa'
},
    symbol: '4323:TADAWUL',
    tickerSymbol: '4323',
    name: 'Sumou',
    name_ar: 'Ø3\\0000\\210',
    sector: 'Real Estate Mgmt & Dev\'t',
    website: 'www.sumou.com.sa'
},
    symbol: '4230:TADAWUL',
    tickerSymbol: '4230',
    name: 'Red Sea',
    name_ar: 'ØSÜ\204Ø"Ø-ر ØSÜ\204Ø£Ø-Ü\205ر',
    sector: 'Real Estate Mgmt & Dev\'t',
    website: 'www.redsea.com.sa'
},
    symbol: '7200:TADAWUL',
    tickerSymbol: '7200',
    name: 'MIS',
    name_ar: /إ\dot{U}\205 آ\dot{U}\212 إس',
    sector: 'Software & Services',
    website: 'www.mis.com.sa'
},
    symbol: '7201:TADAWUL',
    tickerSymbol: '7201',
    name: 'Arab Sea',
    name_ar: 'اÙ\204Ø'Ø-ر اÙ\204عرØ''Ù\212', sector: 'Software & Services',
    website: 'www.arabsea.com.sa'
},
    symbol: '7202:TADAWUL',
    tickerSymbol: '7202',
    name: 'Solutions',
    name_ar: \langle \emptyset - \dot{U} \rangle 204\dot{U} \rangle 210\dot{U} \rangle 204',
    sector: 'Software & Services',
    website: 'www.solutions.com.sa'
},
    symbol: '7203:TADAWUL',
    tickerSymbol: '7203',
    name: 'ELM',
    name_ar: '\emptyset^1\dot{U}\204\dot{U}\205',
    sector: 'Software & Services',
    website: 'www.elm.com.sa'
},
    symbol: '7204:TADAWUL',
    tickerSymbol: '7204',
    name: '2P',
    name_ar: 'تÙ\210 Ø"Ù\212',
    sector: 'Software & Services',
    website: 'www.2p.com.sa'
},
    symbol: '4165:TADAWUL',
    tickerSymbol: '4165',
    name: 'Almajed Oud',
    name_ar: 'Ø$\daggrefar{\psi}\204\daggrefar{\psi}\204\daggrefar{\psi}\204\daggrefar{\psi}\204\daggrefar{\psi}\210\end{\psi}',
    sector: 'Household & Personal Products',
    website: 'www.almajedoud.com.sa'
    symbol: '9406:TADAWUL',
    tickerSymbol: '9406',
    name: 'Albilad MSCI',
```

### /Users/abdulazizdot/Desktop/customer-suparger24agefn26app/config/market.ts

```
name_ar: 'ØŞÙ\204Ø"Ù\204Ø$Ø" Ø¥Û\205 Ø¥Ø3 Ø3Û\212 Ø¢Ù\212',
                                              sector: 'Index Funds',
                                              website: 'www.albiladmsci.com'
                           },
                                              symbol: '9402:TADAWUL',
                                             tickerSymbol: '9402',
                                             name: 'Alawwal MT30'
                                            name_ar: 'ØŞÜ\204Ø£Ü\210Ù\204 Ø¥Ü\205 Ø*Ü\212 30', sector: 'Index Funds',
                                              website: 'www.alawwalmt30.com'
                           },
                                              symbol: '9403:TADAWUL',
                                              tickerSymbol: '9403',
                                             name: 'Albilad Sukuk',
                                             name_ar: 'ØŞῢ\204Ø"ῢ\204Ø$Ø Øμῢ\203ῢ\210ῢ\203',
                                              sector: 'Index Funds',
                                             website: 'www.albiladsukuk.com'
                           },
                                              symbol: '4701:TADAWUL',
                                              tickerSymbol: '4701',
                                             name: 'ADITF',
                                              name_ar: 'Ø£Ø-Ù\212ØaÙ\201',
                                             sector: 'Index Funds',
                                              website: 'www.aditf.com.sa'
                                              symbol: '9400:TADAWUL',
                                             tickerSymbol: '9400',
                                             name: 'Yaqeen 30',
                                             name_ar: \mathring{\dot{v}}\212\dot{v}\202\dot{v}\212\dot{v}\206\ 30',
                                              sector: 'Index Funds',
                                              website: 'www.yaqeen30.com'
                           },
                                              symbol: '9401:TADAWUL',
                                              tickerSymbol: '9401',
                                              name: 'Yaqeen Petrochemical',
                                             {\tt name\_ar: ~'\dot{v}\backslash 212\dot{v}\backslash 202\dot{v}\backslash 212\dot{v}\backslash 206~\dot{v}\backslash 204\dot{v}\backslash 204\dot{v}\backslash 204\dot{v}\backslash 210\dot{v}\backslash 212\dot{v}\backslash 205\emptyset \\ \dot{v}\backslash 210\dot{v}\backslash 212\dot{v}\backslash 205\emptyset \\ \dot{v}\backslash 210\dot{v}\backslash 212\dot{v}\backslash 2050)}
                                              sector: 'Index Funds'.
                                             website: 'www.yaqeenpetrochemical.com'
                           },
                                              symbol: '9404:TADAWUL',
                                              tickerSymbol: '9404',
                                              name: 'Alinma Sukuk'
                                             name_ar: 'ØŞÜ\204Ø¥Ù\206Ü\205ØŞØ; ØμÜ\203Ü\210Ü\203',
                                              sector: 'Index Funds',
                                             website: 'www.alinmasukuk.com'
                           },
                                              symbol: '9405:TADAWUL',
                                              tickerSymbol: '9405',
                                             name: 'Albilad Gold',
                                            name_ar: 'ا\dot{v}\204\dot{w}\204\dot{w}$\dot{v}\207\dot{w}'', sector: 'Index Funds',
                                              website: 'www.albiladgold.com'
                           },
                                              symbol: '4700:TADAWUL',
                                              tickerSymbol: '4700',
                                             name: 'Alkhabeer Income',
                                              name_ar: 'Ø$\dagg\dagg\dagg\dagg\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dagga\dag
                                              sector: 'Index Funds',
                                              website: 'www.alkhabeerincome.com'
                           },
                                              symbol: '9407: TADAWUL',
                                              tickerSymbol: '9407'
                                             name: 'Albilad US Tech'
                                             {\tt name\_ar: '\emptyset\S\grave{0}\backslash204\emptyset''\grave{0}\backslash204\emptyset\S\emptyset^- \emptyset\S\grave{0}\backslash204\emptyset^*\grave{0}\backslash2040^*\grave{0}\backslash210\grave{0}\backslash210)}/204\grave{0}\backslash212\emptyset\S \emptyset\S\grave{0}\backslash204\emptyset^*\grave{0}\backslash204\emptyset^*\grave{0}\backslash203\grave{0}\backslash210)}/204\hat{0}\backslash210\emptyset^-\hat{0}\backslash212\emptyset\S \emptyset\S\grave{0}\backslash204\emptyset^*\grave{0}\backslash204\emptyset^*\hat{0}\backslash204\emptyset^*\hat{0}\backslash210)}/204\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}\backslash2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}/2100^-\hat{0}
\212Ø©'.
                                              sector: 'Index Funds'.
                                             website: 'www.albiladustech.com'
                                             symbol: '9408:TADAWUL',
                                             tickerSymbol: '9408',
                                             name: 'Albilad Saudi Growth',
                                             name\_ar: \ ' \varnothing \S \grave{\upsilon} \backslash 204 \varnothing \S \varnothing^- \ \varnothing \S \grave{\upsilon} \backslash 204 \grave{\upsilon} \backslash 206 \grave{\upsilon} \backslash 205 \grave{\upsilon} \backslash 210 \ \varnothing \S \grave{\upsilon} \backslash 204 \varnothing^3 \varnothing^1 \grave{\upsilon} \backslash 210 \varnothing^- \grave{\upsilon} \backslash 212' \ ,
                                              sector: 'Index Funds',
                                              website: 'www.albiladsaudigrowth.com'
                           },
```

#### /Users/abdulazizdot/Desktop/customer-sugarger25appen25appf/config/market.ts

```
symbol: '4702:TADAWUL',
                     tickerSymbol: '4702',
                     name: 'Alkhabeer Income 2030',
                     name_ar: 'ا\dot{v}\204Ø8\dot{v}\212ر دØ8\dot{v}\204 2030', sector: 'Index Funds',
                     website: 'www.alkhabeerincome2030.com'
            },
                     symbol: '4703:TADAWUL',
                     tickerSymbol: '4703',
                     name: 'Sedco Multi Asset',
                     name_ar: '\emptyset^3\emptyset^-\dot{U}\203\dot{U}\210\dot{U}\205\emptyset^2\emptyset^1\emptyset^-\emptyset^- \emptyset$\dot{U}\204\emptyset£\emptysetµ\dot{U}\210\dot{U}\204',
                     sector: 'Index Funds',
                     website: 'www.sedcomultiasset.com'
             },
                     symbol: '9410:TADAWUL',
                     tickerSymbol: '9410',
                     name: 'Albilad Hong Kong China',
                     sector: 'Index Funds',
                     website: 'www.albiladhongkongchina.com'
                     symbol: '9411:TADAWUL',
                     tickerSymbol: '9411',
                     name: 'SAB HK',
                     name_ar: /\emptyset^3\emptysetSØ" \dot{U}207\dot{U}210\dot{U}206\dot{U}203\dot{U}210\dot{U}206\dot{U}206\dot{U}200\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}206\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}200\dot{U}20
                     sector: 'Index Funds',
                     website: 'www.sabhk.com'
            }
    // Helper functions
export function findSaudiSymbol(query: string) {
    const normalizedQuery = query.toLowerCase();
   return SAUDI SYMBOLS.find(stock =>
        stock.symbol.toLowerCase().includes(normalizedQuery) | |
        stock.tickerSymbol.toLowerCase().includes(normalizedQuery)
        stock.name.toLowerCase().includes(normalizedQuery) | |
        stock.name_ar.includes(query)
   );
export function getSectorCompanies(sector: string) {
    return SAUDI_SYMBOLS.filter(stock =>
        stock.sector.toLowerCase() === sector.toLowerCase()
export function formatSaudiSymbol(symbol: string | number) {
    const stock = SAUDI_SYMBOLS.find(s =>
        s.tickerSymbol === symbol.toString() | |
        s.symbol === symbol.toString()
    if (!stock) return `${symbol}:TADAWUL';
    return stock.symbol;
export function searchStocks(query: string) {
    const normalizedQuery = query.toLowerCase();
    return SAUDI_SYMBOLS.filter(stock =>
        stock.symbol.toLowerCase().includes(normalizedQuery) | |
        stock.tickerSymbol.toLowerCase().includes(normalizedQuery)
        stock.name.toLowerCase().includes(normalizedQuery) | |
        stock.name_ar.includes(query)
        stock.sector.toLowerCase().includes(normalizedQuery) | |
        stock.website.toLowerCase().includes(normalizedQuery)
   );
1
export function getAllSymbols() {
   return SAUDI_SYMBOLS.map(stock => stock.symbol);
```

### /Users/abdulazizdot/Desktop/customer-suppaget-lagefntl/app/hooks/useMarketSocket.ts

```
// // hooks/useMarketSocket.ts
// import { useEffect, useRef, useState } from 'react';
// import { WS_URL, API_KEY, MarketQuote } from '@/app/config/market';
// export function useMarketSocket(symbols: string[]) {
    const [quotes, setQuotes] = useState<Record<string, MarketQuote>>({});
     const ws = useRef<WebSocket | null>(null);
    useEffect(() => {
      if (!symbols.length) return;
      // Create WebSocket connection
      ws.current = new WebSocket('${WS_URL}?apikey=${API_KEY}');
      ws.current.onopen = () => {
        console.log('WebSocket Connected');
        if (ws.current?.readyState === WebSocket.OPEN) {
          // Subscribe to symbols
          ws.current.send(JSON.stringify({
            action: 'subscribe',
            params: {
              symbols: symbols.join(',')
          }));
        }
      };
      ws.current.onmessage = (event) => {
        const data = JSON.parse(event.data);
        if (data.event === 'price') {
          setQuotes(prev => ({
             ...prev,
            [data.symbol]: {
              ...prev[data.symbol],
              symbol: data.symbol,
              name: prev[data.symbol]?.name || data.symbol,
              price: parseFloat(data.price),
              timestamp: data.timestamp,
              change: parseFloat(data.change) | 0,
              percentChange: parseFloat(data.percent_change) | | 0,
              volume: parseInt(data.volume) || 0
          3));
        }
      };
      ws.current.onerror = (error) => {
        console.error('WebSocket error:', error);
      return () => {
        if (ws.current) {
          ws.current.close();
      };
     }, [symbols]);
     return quotes;
```

#### /Users/abdulazizdot/Desktop/customer-suppaget-lagefn8/app/hooks/useSaudiMarket.ts

```
// // hooks/useSaudiMarket.ts
// import { useState, useEffect } from 'react';
// interface SaudiStock {
    symbol: string;
   name: string;
    currency: string;
    exchange: string;
   mic_code: string;
    country: string;
    type: string;
// interface StockQuote {
   symbol: string;
// price: string;
   change: string;
percent_change: string;
    volume: string;
    timestamp: string;
1/ }
// interface RealTimeData {
// price: number;
    change: number;
   percentChange: number;
    volume: number;
    timestamp: string;
// interface StockData {
    stock: SaudiStock;
    quote?: StockQuote;
    realTimeData?: RealTimeData;
// interface WebSocketMessage {
   event: string;
    symbol: string;
   price: string;
change: string;
    percent_change: string;
     volume: string;
    timestamp: string;
// export function useSaudiMarket() {
    const [stocks, setStocks] = useState<StockData[]>([]);
    const [loading, setLoading] = useState(true);
    const [error, setError] = useState<string | null> (null);
//
    const [selectedTimeframe, setSelectedTimeframe] = useState('1day');
     const fetchSaudiMarketData = async () => {
      try {
        setLoading(true);
        // Fetch Saudi stocks list
        const stocksResponse = await fetch(
_API_KEY} '
           https://api.twelvedata.com/stocks?country=Saudi Arabia&apikey=${process.env.NEXT_PUBLIC_TWELVE_DATA
        ) ;
        if (!stocksResponse.ok) {
          throw new Error('Failed to fetch stocks list');
        const stocksData = await stocksResponse.json();
        const stocksList: SaudiStock[] = stocksData.data | stocksData;
        // Take first 20 stocks to avoid rate limits
        const stocksToFetch = stocksList.slice(0, 20);
        const symbols = stocksToFetch.map(stock => stock.symbol).join(',');
         // Fetch quotes for all stocks at once
        const quotesResponse = await fetch(
           if (!quotesResponse.ok) {
          throw new Error ('Failed to fetch quotes');
        const quotesData = await quotesResponse.json();
        let quotesArray: StockQuote[];
        if (Array.isArray(quotesData)) {
```

#### /Users/abdulazizdot/Desktop/customer-suppaget2agefn8/app/hooks/useSaudiMarket.ts

```
quotesArray = quotesData;
   } else if (quotesData.data) {
     quotesArray = Array.isArray(quotesData.data) ? quotesData.data : [quotesData.data];
   } else {
      quotesArray = [quotesData];
   // Combine stocks with their quotes
   const combinedData = stocksToFetch.map(stock => {
     const quote = quotesArray.find(q => q.symbol === stock.symbol);
     return {
       stock,
       quote,
       realTimeData: quote ? {
         price: parseFloat(quote.price),
         change: parseFloat (quote.change),
         percentChange: parseFloat(quote.percent_change),
          volume: parseInt(quote.volume),
         timestamp: quote.timestamp
        } : undefined
     1:
   });
   setStocks(combinedData);
   setupWebSocket(symbols.split(','));
   setError(null);
 } catch (err) {
   console.error('Error fetching market data:', err);
   setError(err instanceof Error ? err.message : 'An error occurred');
  } finally :
   setLoading(false);
const setupWebSocket = (symbols: string[]) => {
 const ws = new WebSocket(
    'wss://ws.twelvedata.com/v1/quotes/price?apikey=${process.env.NEXT_PUBLIC_TWELVE_DATA_API_KEY}'
 ws.onopen = () => {
   ws.send(JSON.stringify({
     action: 'subscribe',
     params: {
       symbols: symbols.join(',')
   }));
 };
 ws.onmessage = (event: MessageEvent) => {
      const data = JSON.parse(event.data) as WebSocketMessage;
      if (data.event === 'price') {
       setStocks(prev => prev.map(stock => {
         if (stock.stock.symbol === data.symbol) {
           return {
              ...stock,
              realTimeData: {
                price: parseFloat(data.price),
                change: parseFloat(data.change),
                percentChange: parseFloat(data.percent_change),
                volume: parseInt(data.volume),
                timestamp: data.timestamp
           };
          return stock;
       }));
   } catch (error) {
      console.error('WebSocket message parsing error:', error);
 };
 ws.onerror = (error: Event) => {
   console.error('WebSocket error:', error);
  };
 return () => {
   if (ws.readyState === WebSocket.OPEN) {
      ws.close();
 };
useEffect(() => {
  fetchSaudiMarketData();
```

# /Users/abdulazizdot/Desktop/customer-suppaget-3agefnt3/app/hooks/useSaudiMarket.ts

```
// Refresh data every minute
const interval = setInterval(fetchSaudiMarketData, 60000);
return () => clearInterval(interval);
}, [selectedTimeframe]);

// const changeTimeframe = (timeframe: string) => {
    setSelectedTimeframe(timeframe);
};

// return {
    stocks,
    loading,
    error,
    selectedTimeframe,
    changeTimeframe,
    refreshData: fetchSaudiMarketData
// };
// }
```

```
// /app/lib/context/financeContextUtils.ts
import { FinancialMetadata } from './types';
export class FinanceContextAnalyzer {
  private static readonly FINANCIAL_INSTRUMENTS = [
    'stock', 'bond', 'etf', 'option', 'future', 'forex', 'crypto', 'dividend', 'mutual fund', 'index', 'commodity'
  1:
  private static readonly TECHNICAL_INDICATORS = [
    'moving average', 'MACD', 'RSI', 'bollinger', 'support', 'resistance', 'trend', 'volatility'
                                                        'volume', 'momentum',
  1:
  private static readonly FUNDAMENTAL_FACTORS = [
    'earnings', 'revenue', 'profit', 'margin', 'PE ratio', 'market cap', 'dividend yield', 'cash flow', 'debt', 'assets'
  private static readonly MARKET_KEYWORDS = [
    'bull', 'bear', 'volatile', 'correction', 'crash', 'rally', 'uptick', 'downturn', 'market', 'trade', 'buy', 'sell'
  public static analyzeFinancialMessage(message: string): FinancialMetadata {
    const words = message.toLowerCase().split(/\s+/);
    return {
      instruments: this.extractFinancialInstruments(message),
      companies: this.extractCompanies(message),
      markets: this.extractMarkets(message).
      metrics: this.extractMetrics(message),
      timeframes: this.extractTimeframes(message),
      sentiment: this.analyzeMarketSentiment(message),
      confidenceScore: this.calculateConfidenceScore(message),
      riskLevel: this.assessRiskLevel (message),
      technicalIndicators: this.extractTechnicalIndicators(message),
      fundamentalFactors: this.extractFundamentalFactors(message)
    };
  private static extractFinancialInstruments(message: string): string[] {
    const text = message.toLowerCase();
    return this.FINANCIAL_INSTRUMENTS.filter(instrument =>
      text.includes(instrument)
  private static extractCompanies(message: string): string[] {
    // Look for potential company names (capitalized words)
    const companies = new Set<string>();
    const words = message.split(/\s+/);
    for (let i = 0; i < words.length; i++) {</pre>
      const word = words[i];
      if (word.length > 1 &&
           word[0] === word[0].toUpperCase() &&
           word[1] === word[1].toLowerCase()) {
        companies.add(word);
       // Check for stock symbols (uppercase letters)
      if (word.match(/^\$?[A-Z]{1,5}$/)) {
        companies.add(word);
      }
    return Array.from(companies);
  private static extractMarkets(message: string): string[] {
    const commonMarkets = [
      'NYSE', 'NASDAQ', 'DOW', 'S&P', 'FTSE', 'market',
      'exchange', 'trading'
    return commonMarkets.filter(market =>
      message.toLowerCase().includes(market.toLowerCase())
  private static extractMetrics(message: string): string[] {
    const commonMetrics = [
  'price', 'volume', 'volatility', 'return', 'yield',
      'ratio', 'growth', 'loss', 'gain', 'percentage'
    1;
```

```
return commonMetrics.filter(metric =>
    message.toLowerCase().includes(metric)
  ) :
private static extractTimeframes(message: string): string[] {
  const timeframes = [
    'day', 'week', 'month', 'year', 'quarter', 'short-term', 'long-term', 'intraday'
  return timeframes.filter(timeframe =>
   message.toLowerCase().includes(timeframe)
private static analyzeMarketSentiment(message: string): 'bullish' | 'bearish' | 'neutral' {
  const text = message.toLowerCase();
  const bullishWords = ['buy', 'bull', 'up', 'growth', 'positive', 'increase'];
const bearishWords = ['sell', 'bear', 'down', 'decline', 'negative', 'decrease'];
  let sentiment = 0;
  bullishWords.forEach(word => {
   if (text.includes(word)) sentiment++;
  bearishWords.forEach(word => {
   if (text.includes(word)) sentiment--;
  if (sentiment > 0) return 'bullish';
  if (sentiment < 0) return 'bearish';</pre>
  return 'neutral';
private static calculateConfidenceScore(message: string): number {
  let score = 0.5; // Base confidence
  // Increase confidence based on presence of specific data
  if (this.extractMetrics(message).length > 0) score += 0.1;
  if (this.extractTechnicalIndicators(message).length > 0) score += 0.1;
  if (this.extractFundamentalFactors(message).length > 0) score += 0.1;
  // Cap the score at 1.0
  return Math.min(score, 1.0);
private static assessRiskLevel(message: string): 'low' | 'medium' | 'high' {
  const text = message.toLowerCase();
  const highRiskWords = ['volatile', 'risky', 'speculation', 'aggressive'];
  const lowRiskWords = ['safe', 'conservative', 'stable', 'defensive'];
  let riskScore = 0;
  highRiskWords.forEach(word => {
    if (text.includes(word)) riskScore++;
  });
  lowRiskWords.forEach(word => {
   if (text.includes(word)) riskScore--;
  if (riskScore > 0) return 'high';
  if (riskScore < 0) return 'low';</pre>
  return 'medium';
private static extractTechnicalIndicators(message: string): string[] {
  return this.TECHNICAL_INDICATORS.filter(indicator =>
   message.toLowerCase().includes(indicator)
 );
private static extractFundamentalFactors(message: string): string[] {
 return this.FUNDAMENTAL_FACTORS.filter(factor =>
    message.toLowerCase().includes(factor)
  );
```

# /Users/abdulazizdot/Desktop/customer-suppaget-lagefit/app/lib/context/types.ts

```
// /app/lib/context/types.ts
export interface FinancialMetadata {
                                            // Mentioned financial instruments
    instruments?: string[];
    companies?: string[];
                                           // Mentioned companies
                                           // Mentioned markets/exchanges
    markets?: string[];
                                           // Financial metrics discussed
    metrics?: string[];
                                          // Timeframes mentioned
    timeframes?: string[];
    sentiment?: 'bullish' | 'bearish' | 'neutral';
    confidenceScore?: number;
                                          // Confidence in financial analysis
    riskLevel?: 'low' | 'medium' | 'high';
    technicalIndicators?: string[]; // Technical analysis indicators
                                         // Fundamental analysis factors
    fundamentalFactors?: string[];
  export interface Message {
    id: string;
    role: 'user' | 'assistant';
    content: string;
    timestamp: number;
   metadata: FinancialMetadata;
  export interface MarketContext {
    currentMarketHours: boolean;
    marketConditions: 'bull' | 'bear' | 'neutral';
    volatilityLevel: 'low' | 'medium' | 'high';
    majorIndices: {
      [key: string]: {
        value: number;
        change: number;
        changePercent: number;
      } ;
    } ;
  export interface ConversationContext {
    conversationId: string;
    messages: Message[];
    activeInstruments: string[];
    activeTechnicalAnalysis: boolean;
    fundamentalAnalysisActive: boolean;
    marketContext?: MarketContext;
    lastUpdated: number;
    userPreferences?: {
      preferredMarkets?: string[];
      riskTolerance?: 'conservative' | 'moderate' | 'aggressive';
preferredTimeframe?: 'short' | 'medium' | 'long';
technicalAnalysisLevel?: 'basic' | 'intermediate' | 'advance
    };
  export interface ContextWindow {
    maxSize: number;
    currentSize: number;
    priorityThreshold: number;
    recentMessages: Message[];
    marketSnapshots: MarketContext[];
    keyInsights: string[];
  export type ContextPriority = 'critical' | 'high' | 'medium' | 'low';
  export interface ContextScore {
    messageId: string;
    marketRelevance: number:
    timeRelevance: number;
    instrumentRelevance: number;
    userPriorityScore: number;
    finalScore: number;
```

```
// /app/lib/context/financeContextManager.ts
import {
 Message,
 ConversationContext,
 ContextWindow,
 ContextScore,
 ContextPriority,
 MarketContext,
 FinancialMetadata
} from './types';
export class FinanceContextManager {
 private readonly maxWindowSize: number;
 private contexts: Map<string, ConversationContext>;
 private activeWindow: ContextWindow;
 private marketContext: MarketContext;
 constructor(maxWindowSize: number = 4096) {
   this.maxWindowSize = maxWindowSize;
   this.contexts = new Map();
   this.activeWindow = {
     maxSize: maxWindowSize
     currentSize: 0,
     priorityThreshold: 0.7,
     recentMessages: [].
     marketSnapshots: [],
     keyInsights: []
   this.marketContext = {
     currentMarketHours: false,
     marketConditions: 'neutral',
volatilityLevel: 'low',
     majorIndices: {}
   };
 private calculateFinancialContextScore(message: Message, currentTime: number): ContextScore {
   const timeRelevance = Math.exp(-(currentTime - message.timestamp) / (1000 * 60 * 60));
   const metadata = message.metadata;
   let marketRelevance = 0.5:
   if (metadata) {
     if (metadata.instruments?.length) marketRelevance += 0.1;
     if (metadata.markets?.length) marketRelevance += 0.1;
     if (metadata.technicalIndicators?.length) marketRelevance += 0.1;
     if (metadata.fundamentalFactors?.length) marketRelevance += 0.1;
   let instrumentRelevance = 0.5;
   if (metadata?.instruments?.length) {
     instrumentRelevance = 0.7;
      if (this.isActiveInstrument(metadata.instruments[0])) {
       instrumentRelevance = 0.9;
   }
   let userPriorityScore = 0.5;
   if (metadata) {
     if (metadata.riskLevel === 'high') userPriorityScore += 0.2;
     if (metadata.confidenceScore && metadata.confidenceScore > 0.8) userPriorityScore += 0.1;
   return {
     messageId: message.id,
     marketRelevance.
     timeRelevance,
     instrumentRelevance,
     userPriorityScore,
     finalScore: (
       marketRelevance * 0.3 +
       timeRelevance * 0.2 +
       instrumentRelevance * 0.3 +
       userPriorityScore * 0.2
   };
 private isActiveInstrument(instrument: string): boolean {
   const contexts = Array.from(this.contexts.values());
   return contexts.some(context =>
     context.activeInstruments.includes(instrument)
```

public addMessage(conversationId: string, message: Message): void {

```
let context = this.contexts.get(conversationId);
  if (!context) {
    context = {
      conversationId,
     messages: [],
      activeInstruments: [],
      activeTechnicalAnalysis: false,
      fundamentalAnalysisActive: false,
      lastUpdated: Date.now(),
     userPreferences: {
       preferredMarkets: [],
       riskTolerance: 'moderate',
       preferredTimeframe: 'medium'
        technicalAnalysisLevel: 'basic'
    };
    this.contexts.set(conversationId, context);
  if (message.metadata?.instruments) {
    context.activeInstruments = Array.from(new Set([
      ...context.activeInstruments,
      ...message.metadata.instruments
   ]));
  if (message.metadata?.technicalIndicators?.length) {
   context.activeTechnicalAnalysis = true;
  if (message.metadata?.fundamentalFactors?.length) {
    context.fundamentalAnalysisActive = true;
  context.messages.push (message);
  context.lastUpdated = Date.now();
  this.updateActiveWindow(context);
private updateActiveWindow(context: ConversationContext): void {
  const currentTime = Date.now():
  const scoredMessages = context.messages
   .map (msg => ({
     message: msg,
     score: this.calculateFinancialContextScore(msg.currentTime)
    .sort((a, b) => b.score.finalScore - a.score.finalScore);
  this.activeWindow.recentMessages = scoredMessages
    .filter(scored => scored.score.finalScore > this.activeWindow.priorityThreshold)
    .map(scored => scored.message)
    .slice(0, Math.floor(this.maxWindowSize / 2));
  this.activeWindow.keyInsights = this.extractFinancialInsights(
   scoredMessages.slice(0, 5).map(scored => scored.message)
  if (this.shouldTakeMarketSnapshot(context)) {
    this.activeWindow.marketSnapshots.push({ ...this.marketContext });
private shouldTakeMarketSnapshot(context: ConversationContext): boolean {
  const latestMessage = context.messages[context.messages.length - 1];
  return Boolean (
    latestMessage.metadata?.markets?.length
    (this.marketContext.volatilityLevel === 'high' && Math.random() > 0.7)
 );
private extractFinancialInsights(messages: Message[]): string[] {
  const insights = new Set<string>();
  messages.forEach(message => {
    const metadata = message.metadata;
    if (metadata) {
      if (metadata.technicalIndicators?.length) {
       insights.add('Technical Analysis: ${metadata.technicalIndicators.join(', ')}');
      if (metadata.fundamentalFactors?.length) {
        insights.add('Fundamental Factors: ${metadata.fundamentalFactors.join(', ')}');
      if (metadata.sentiment) {
```

# /Users/abdulazizdot/Desktop/customer-suppaget-3agefn5/app/lib/context/financeContextManager.ts

```
insights.add('Market Sentiment: ${metadata.sentiment}');
      if (metadata.riskLevel) {
        insights.add('Risk Level: ${metadata.riskLevel}');
    }
  });
  return Array.from(insights);
public getContextForPrompt(conversationId: string): string {
  const context = this.contexts.get(conversationId);
  if (!context) return '';
  const relevantMessages = this.activeWindow.recentMessages
    .map(msg \Rightarrow {
      const metadata = msg.metadata;
      return `${msg.role}: ${msg.content}
      ${metadata ?
      Instruments: ${metadata.instruments?.join(', ') | 'none'}
      Technical Indicators: ${metadata.technicalIndicators?.join(', ') |  'none'}
      Sentiment: ${metadata.sentiment | 'neutral'}
Risk Level: ${metadata.riskLevel | 'medium'}`: ''}`;
    })
    .join(' \n\n');
  const marketContext = this.activeWindow.marketSnapshots.length > 0
    ? '\nCurrent Market Context:
      Market Hours: ${this.marketContext.currentMarketHours ? 'Open' : 'Closed'}
      Conditions: ${this.marketContext.marketConditions}
      Volatility: ${this.marketContext.volatilityLevel}'
  const insights = this.activeWindow.keyInsights.length > 0
    ? \n Insights:\n { this.activeWindow.keyInsights.join(' \n')} `
  return '${marketContext}\n${insights}\n\nRecent Discussion:\n${relevantMessages}';
public updateMarketContext(newContext: Partial<MarketContext>): void {
  this.marketContext = { ...this.marketContext, ...newContext };
public getActiveInstruments(conversationId: string): string[]
  return this.contexts.get(conversationId)?.activeInstruments | [];
public getCurrentMarketContext(): MarketContext {
  return this.marketContext;
public getKeyInsights(conversationId: string): string[] {
  return this.activeWindow.keyInsights;
```

```
// /app/lib/context/financeAnalyzer.ts
export class FinanceAnalyzer {
    // Known financial instruments and companies
    private static readonly KNOWN_STOCKS = new Set([
       'AAPL', 'MSFT', 'GOOGL', 'AMZN', 'META', 'TSLA', 'NVDA', 'JPM', 'BAC', 'WFC', 'apple', 'microsoft', 'google', 'amazon', 'meta', 'tesla', 'nvidia', 'jpmorgan', 'bank of america'
     // Technical analysis terms
    private static readonly TECHNICAL_INDICATORS = new Set([
       'RSI', 'MACD', 'moving average', 'bollinger bands', 'support', 'resistance', 'volume', 'momentum', 'trend', 'breakout', 'consolidation', 'divergence', 'fibonacci', 'chart pattern', 'candlestick', 'oscillator', 'volatility'
     // Fundamental analysis terms
    private static readonly FUNDAMENTAL_FACTORS = new Set([
       'PE ratio', 'P/E', 'EPS', 'revenue', 'earnings', 'profit margin', 'cash flow', 'debt', 'assets', 'liabilities', 'market cap', 'dividend', 'book value',
       'ROE', 'ROI', 'EBITDA', 'gross margin', 'operating margin', 'net margin
    1);
     // Market sectors
    private static readonly SECTORS = new Set([
       'technology', 'finance', 'healthcare', 'energy', 'consumer', 'industrial', 'utilities', 'materials', 'real estate', 'telecommunications'
     // Economic indicators
    private static readonly ECONOMIC_INDICATORS = new Set([
       'GDP', 'inflation', 'interest rates', 'unemployment', 'CPI', 'PPI',
       'retail sales', 'housing starts', 'PMI', 'trade balance', 'fed', 'fomc'
     // Risk-related terms
    private static readonly RISK_TERMS = {
      high: ['volatile', 'risky', 'speculative', 'aggressive', 'unstable', 'uncertain'],
medium: ['moderate', 'balanced', 'mixed', 'neutral'],
low: ['safe', 'stable', 'conservative', 'defensive', 'reliable']
    };
     // Sentiment terms
    private static readonly SENTIMENT_TERMS = {
      bullish: ['up', 'rise', 'grow', 'positive', 'bullish', 'outperform', 'buy', 'strong'], bearish: ['down', 'fall', 'decline', 'negative', 'bearish', 'underperform', 'sell', 'w neutral: ['stable', 'steady', 'hold', 'neutral', 'balanced']
    public static analyzeFinancialContext(message: string): {
       confidence: number:
       instruments: string[];
       technicalIndicators: string[];
       fundamentalFactors: string[];
       sectors: string[];
       economicIndicators: string[];
       riskLevel: 'low' | 'medium' | 'high';
       sentiment: 'bullish' | 'bearish' | 'neutral';
       analysisType: 'technical' | 'fundamental' | 'mixed' | 'general';
       const text = message.toLowerCase();
       const words = text.split(/\s+/);
       // Extract found items
       const instruments = this.extractInstruments(text);
       const technical = this.extractTechnicalIndicators(text);
       const fundamental = this.extractFundamentalFactors(text);
       const sectors = this.extractSectors(text);
       const economic = this.extractEconomicIndicators(text);
       // Determine analysis type
       const analysisType = this.determineAnalysisType(technical.length, fundamental.length);
       // Calculate risk level
       const riskLevel = this.assessRiskLevel(text);
       // Determine sentiment
       const sentiment = this.determineSentiment(text);
       // Calculate confidence score based on multiple factors
       const confidence = this.calculateConfidence({
          instruments: instruments.length,
          technical: technical.length.
          fundamental: fundamental.length,
          sectors: sectors.length,
          economic: economic.length,
```

```
hasKnownTerms: this.hasKnownFinancialTerms(text),
    messageLength: words.length,
    isQuestionFormat: text.includes('?'),
   hasNumbers: /\d+/.test(text)
 return {
    confidence.
    instruments
    technicalIndicators: technical,
    fundamentalFactors: fundamental,
    sectors,
    economicIndicators: economic,
    riskLevel,
    sentiment,
   analysisType
 };
private static extractInstruments(text: string): string[] {
 return Array.from(this.KNOWN_STOCKS).filter(stock =>
   text.includes(stock.toLowerCase())
private static extractTechnicalIndicators(text: string): string[] {
  return Array.from(this.TECHNICAL_INDICATORS).filter(indicator =>
   text.includes(indicator.toLowerCase())
private static extractFundamentalFactors(text: string): string[] {
  return Array.from(this.FUNDAMENTAL_FACTORS).filter(factor =>
   text.includes(factor.toLowerCase())
 );
private static extractSectors(text: string): string[] {
 return Array.from(this.SECTORS).filter(sector =>
   text.includes(sector.toLowerCase())
 );
private static extractEconomicIndicators(text: string): string[] {
 return Array.from(this.ECONOMIC_INDICATORS).filter(indicator
   text.includes(indicator.toLowerCase())
private static assessRiskLevel(text: string): 'low' | 'medium' | 'high' {
  let riskScore = 0:
  // Check for risk-related terms
  for (const term of this.RISK_TERMS.high) {
   if (text.includes(term)) riskScore += 2;
  for (const term of this.RISK_TERMS.low) {
    if (text.includes(term)) riskScore -= 2;
  // Adjust based on other factors
  if (text.includes('hedge') || text.includes('diversif')) riskScore -= 1;
  if (text.includes('leverage') | text.includes('margin')) riskScore += 1;
  if (riskScore > 2) return 'high';
  if (riskScore < -1) return 'low';</pre>
  return 'medium';
private static determineSentiment(text: string): 'bullish' | 'bearish' | 'neutral' {
  let sentimentScore = 0;
   // Check sentiment terms
  for (const term of this.SENTIMENT_TERMS.bullish) {
   if (text.includes(term)) sentimentScore += 1;
  for (const term of this.SENTIMENT_TERMS.bearish) {
    if (text.includes(term)) sentimentScore -= 1;
  // Additional context analysis
  if (text.includes('buy') | text.includes('long')) sentimentScore += 1;
if (text.includes('sel1') | text.includes('short')) sentimentScore -= 1;
  if (sentimentScore > 1) return 'bullish';
  if (sentimentScore < -1) return 'bearish';</pre>
```

#### /Users/abdulazizdot/Desktop/customer-suppaget-3agefn8/app/lib/context/financeAnalyzer.ts

```
return 'neutral';
    private static determineAnalysisType(technicalCount: number, fundamentalCount: number): 'technical' | 'fund
amental' 'mixed' 'general' {
     if (technicalCount > 0 && fundamentalCount > 0) return 'mixed';
      if (technicalCount > 0) return 'technical';
     if (fundamentalCount > 0) return 'fundamental';
      return 'general';
   private static hasKnownFinancialTerms(text: string): boolean {
     const financialTerms = [
  'market', 'stock', 'trade', 'invest', 'price', 'value',
        'portfolio', 'analysis', 'performance', 'return'
      return financialTerms.some(term => text.includes(term));
    private static calculateConfidence(factors: {
     instruments: number;
      technical: number:
      fundamental: number;
      sectors: number;
      economic: number;
     hasKnownTerms: boolean;
     messageLength: number:
     isQuestionFormat: boolean;
     hasNumbers: boolean;
    }): number {
      let confidence = 0.5; // Base confidence
      // Adjust based on identified elements
      if (factors.instruments > 0) confidence += 0.15;
      if (factors.technical > 0) confidence += 0.1;
      if (factors.fundamental > 0) confidence += 0.1;
      if (factors.sectors > 0) confidence += 0.05;
      if (factors.economic > 0) confidence += 0.05;
      // Adjust for question quality
      if (factors.hasKnownTerms) confidence += 0.1;
      if (factors.isQuestionFormat) confidence += 0.05;
      if (factors.hasNumbers) confidence += 0.05;
      // Penalize very short messages
      if (factors.messageLength < 3) confidence -= 0.2;</pre>
      // Penalize if no specific elements found
      if (factors.instruments + factors.technical + factors.fundamental + factors.sectors + factors.economic ==
= 0) {
       confidence -= 0.3;
      // Ensure confidence stays within bounds
      return Math.max(0.1, Math.min(0.95, confidence));
  }
```

# /Users/abdulazizdot/Desktop/customer-suppaget-lagefntl/app/lib/pdf-utils.ts

```
// app/lib/pdf-utils.ts
import { encode } from 'base64-js';
export async function convertPDFToBase64(file: File): Promise<string> {
  return new Promise((resolve, reject) => {
    const reader = new FileReader();
    reader.onload = () => {
     const arrayBuffer = reader.result as ArrayBuffer;
      const uint8Array = new Uint8Array(arrayBuffer);
      const base64String = encode(uint8Array);
     resolve(base64String);
    };
    reader.onerror = reject;
    reader.readAsArrayBuffer(file);
 });
export interface PDFMessage {
 role: 'user';
  content: {
   type: 'document' | 'text';
   source?: {
     type: 'base64';
     media_type: 'application/pdf';
     data: string;
   } ;
    text?: string;
 }[];
}
export function createPDFMessage (base64Data: string, query: string): PDFMessage {
 return {
  role: 'user',
    content: [
     {
       type: 'document',
        source: {
  type: 'base64',
          media_type: 'application/pdf',
          data: base64Data
        }
      },
        type: 'text',
        text: query
   ]
 } ;
```

#### /Users/abdulazizdot/Desktop/customer-suppaget-lagefn2/app/lib/utils.ts

```
import {
 BedrockAgentRuntimeClient,
 RetrieveCommand.
 RetrieveCommandInput,
} from "@aws-sdk/client-bedrock-agent-runtime";
import { type ClassValue, clsx } from "clsx";
import { twMerge } from "tailwind-merge";
console.log("ö\237\224\221 Have AWS AccessKey?", !!process.env.BAWS_ACCESS_KEY_ID);
console.log("o\237\224\221 Have AWS Secret?", !!process.env.BAWS_SECRET_ACCESS_KEY);
const bedrockClient = new BedrockAgentRuntimeClient({
 region: "us-east-1", // Make sure this matches your Bedrock region
  credentials: {
    accessKeyId: process.env.BAWS_ACCESS_KEY_ID!,
   secretAccessKey: process.env.BAWS_SECRET_ACCESS_KEY!,
 },
});
export function cn(...inputs: ClassValue[]) {
 return twMerge(clsx(inputs));
export interface RAGSource {
  id: string;
 fileName: string:
 snippet: string;
 score: number;
export async function retrieveContext (
  query: string,
 knowledgeBaseId: string,
 n: number = 3,
): Promise<{
 context: string;
 isRagWorking: boolean;
 ragSources: RAGSource[];
}> {
 try {
    if (!knowledgeBaseId) {
      console.error("knowledgeBaseId is not provided");
      return {
       context: "",
        isRagWorking: false,
       ragSources: [],
      };
    const input: RetrieveCommandInput = {
      knowledgeBaseId: knowledgeBaseId.
      retrievalQuery: { text: query },
      retrievalConfiguration: {
       vectorSearchConfiguration: { numberOfResults: n },
      }.
    };
    const command = new RetrieveCommand(input);
    const response = await bedrockClient.send(command);
    // Parse results
    const rawResults = response?.retrievalResults || [];
    const ragSources: RAGSource[] = rawResults
      .filter((res: any) => res.content && res.content.text)
      .map((result: any, index: number) => {
        const uri = result?.location?.s3Location?.uri | "";
        const fileName = uri.split("/").pop() | 'Source-${index}.txt';
        return {
            result.metadata?.["x-amz-bedrock-kb-chunk-id"] || 'chunk-${index}',
          fileName: fileName.replace(/_/g, " ").replace(".txt", ""),
snippet: result.content?.text || "",
          score: result.score | | 0,
        };
      })
      .slice(0, 1);
    console.log("ŏ\237\224\215 Parsed RAG Sources:", ragSources); // Debug log
    const context = rawResults
      .filter((res: any) => res.content && res.content.text)
      .map((res: any) => res.content.text)
      .join("\n");
    return {
```

# /Users/abdulazizdot/Desktop/customer-suppaget-2agent2/app/lib/utils.ts

```
context,
   isRagWorking: true,
   ragSources,
};
} catch (error) {
   console.error("RAG Error:", error);
   return { context: "", isRagWorking: false, ragSources: [] };
}
```

# /Users/abdulazizdot/Desktop/customer-suppaget-lagefntl/app/lib/api/market.ts

```
// // lib/api/market.ts
// const TWELVE_DATA_API_KEY = process.env.NEXT_PUBLIC_TWELVE_DATA_API_KEY;
// const BASE_URL = 'https://api.twelvedata.com';
// export const DEFAULT_SYMBOLS = [
     'AAPL', 'AMZN', 'MSFT', 'NVDA', 'TSLA', 'GOOGL', 'V', 'TSM', 'BRK.A', 'WMT'
// ];
// export async function getQuotes(symbols: string[] = DEFAULT_SYMBOLS) {
//
//
//
     try {
       const response = await fetch(
         `\$\{BASE\_URL\}/quote?symbol=\$\{symbols.join(',')\}\&apikey=\$\{TWELVE\_DATA\_API\_KEY\}`
      const data = await response.json();
//
//
//
//
//
// }
       return Array.isArray(data) ? data : [data];
     } catch (error) {
      console.error('Error fetching quotes:', error);
       return [];
// export async function getTimeSeries(
// symbol: string,
// interval: strin
    interval: string = '1day',
// 01
    outputsize: number = 252 // One year of trading days
//
      const response = await fetch(
         `${BASE_URL}/time_series?symbol=${symbol}&interval=${interval}&outputsize=${outputsize}&apikey=${TWELV
E_DATA_API_KEY}
//
       );
       const data = await response.json();
       return data.values | | [];
    } catch (error) {
       console.error('Error fetching time series:', error);
       return [];
```

# /Users/abdulazizdot/Desktop/customer-suppaget lagefntl/app/lib/services/saudi-market.ts

```
// // services/saudi-market.ts
// import { API_KEY, API_URL } from '@/app/config/market';
// export interface SaudiSymbol {
   symbol: string;
//
    name: string;
//
    currency: string;
    exchange: string;
mic_code: string;
    type: string;
     logo_url?: string; // Will be added from another API or local storage
// export async function fetchSaudiSymbols(): Promise<SaudiSymbol[]> {
     try {
//
       // Fetch all stocks with Saudi Arabia filter
       const response = await fetch(
         '${API_URL}/stocks?country=Saudi Arabia&apikey=${API_KEY}'
       if (!response.ok) {
        throw new Error('Failed to fetch Saudi stocks');
      const data = await response.json();
       const stocks = Array.isArray(data) ? data : data.data || [];
       // Map and add logo URLs
       // We'll need to either:
       // 1. Use another API to get logos
       // 2. Store logos locally
       // 3. Generate placeholder logos
       return stocks.map(stock => ({
         ...stock,
         logo_url: '/logos/${stock.symbol}.png' // This path will need to be adjusted
       }));
//
//
//
//
// }
    } catch (error) {
       console.error('Error fetching Saudi symbols:', error);
       throw error:
// // Function to get logo URL for a symbol
// export async function getCompanyLogo(symbol: string): Promise<string> {
     // We can implement this in several ways:
     // 1. Use a financial API that provides logos
    // 2. Scrape from Tadawul website
     // 3. Store logos locally
    // 4. Generate placeholder logos
     // For now, return a placeholder
    return 'https://ui-avatars.com/api/?name=${encodeURIComponent(symbol)}&background=random';
// // Function to get company details
// export interface CompanyDetails {
   symbol: string;
//
    name: string;
    sector: string;
industry: string;
//
     website?: string;
    description?: string;
    market_cap?: number;
    employees?: number;
     ceo?: string;
     headquarters?: string;
     founded?: string;
// export async function getCompanyDetails(symbol: string): Promise<CompanyDetails | null> {
     try {
//
//
//
      // This would need to be implemented with actual data source
       // Could be from Tadawul API or another financial data provider
       return null;
     } catch (error)
       console.error('Error fetching details for ${symbol}:', error);
       return null;
```

```
// /app/lib/services/saudiFundamentals.ts
import { API_KEY, API_URL, SAUDI_SYMBOLS } from '@/app/config/market';
// Type Definitions
export interface FiftyTwoWeek {
 high: number;
 low: number;
 high_date: string;
 low_date: string;
 high_change: number;
 low_change: number;
 range: string;
export interface FinancialRatios {
 quick_ratio: number;
 current_ratio: number;
 debt_to_equity: number;
 gross_margin: number;
 operating margin: number;
 net_profit_margin: number;
 return_on_assets: number;
 return_on_equity: number;
 asset_turnover: number;
export interface ValuationMetrics {
 price_earnings: number;
 price_to_book: number;
 price to sales: number:
 ev_to_ebitda: number;
 enterprise_value: number;
 market_cap: number;
export interface FundamentalData {
 symbol: string;
 name: string;
 sector: string;
 earnings_per_share: number;
 dividend_yield: number;
 book_value: number;
 beta: number;
  fifty_two_week: FiftyTwoWeek;
 financial_ratios: FinancialRatios;
 valuation_metrics: ValuationMetrics;
 growth_metrics?: {
    revenue_growth: number;
    earnings_growth: number;
    dividend_growth: number;
 } ;
export interface FinancialStatement {
 symbol: string;
 period: string;
 date: string;
 currency: string;
  // Income Statement
 revenue: number:
 gross_profit: number;
 operating_income: number;
 net_income: number;
 eps: number:
 ebitda: number:
  // Balance Sheet
 total_assets: number;
 total_liabilities: number;
 total_equity: number;
 cash_and_equivalents: number;
 total_debt: number;
  // Cash Flow
 cash_flow_operations: number;
 cash_flow_investing: number;
 cash_flow_financing: number;
 free_cash_flow: number;
  // Year over Year changes
 yoy_revenue_growth?: number;
 yoy_earnings_growth?: number;
 yoy_fcf_growth?: number;
export interface SectorMetrics {
 sector: string;
```

average\_pe: number;

#### /Users/abdulazizdot/Desktop/customer-suppaget-2agefnt4/app/lib/services/saudiFundamentals.ts

```
average_pb: number;
 average_dividend_yield: number;
 average market cap: number;
 best_performer: {
   symbol: string;
   name: string;
   return: number;
 worst_performer: {
   symbol: string;
   name: string;
   return: number;
 total_market_cap: number;
  companies_count: number;
export class SaudiFundamentals {
 private static readonly DEFAULT_TIMEOUT = 10000; // 10 seconds
 private static readonly CACHE_DURATION = 300000; // 5 minutes
 private static cache: Map<string, { data: any; timestamp: number }> = new Map();
 private static safeNumber(value: any, defaultValue: number = 0): number {
   if (value === null | value === undefined) return defaultValue;
   const parsed = parseFloat(value);
   return isNaN(parsed) ? defaultValue : parsed;
 private static safeDate(date: any): string {
   if (!date) return '';
   trv (
      const parsed = new Date(date);
      return parsed.toISOString();
   } catch {
     return '';
  }
 private static async fetchWithTimeout(url: string, timeout: number = this.DEFAULT_TIMEOUT): Promise<Response>
   const controller = new AbortController();
   const id = setTimeout(() => controller.abort(), timeout);
      const response = await fetch(url, { signal: controller.signal });
     clearTimeout(id);
      return response;
    } catch (error) {
      clearTimeout(id);
      throw error;
  }
 private static async fetchWithRetry(url: string, retries = 3): Promise<any> {
   const cacheKey = url;
   const cached = this.cache.get(cacheKey);
    if (cached && Date.now() - cached.timestamp < this.CACHE_DURATION) {</pre>
     return cached.data;
   let lastError: Error | null = null;
   for (let i = 0; i < retries; i++) {</pre>
      try {
       const response = await this.fetchWithTimeout(url);
       if (!response.ok) throw new Error('HTTP error! status: ${response.status}');
        const data = await response.json();
       this.cache.set(cacheKey, { data, timestamp: Date.now() });
       return data:
      } catch (error) {
        lastError = error instanceof Error ? error : new Error('Unknown error occurred');
        if (i < retries - 1) await new Promise(resolve => setTimeout(resolve, 1000 * (i + 1)));
   throw lastError | new Error('Failed to fetch data');
 private static formatSymbol(symbol: string): string {
   return symbol.replace(':TADAWUL', '') + '.SAU';
 static async getFundamentals(symbol: string): Promise<FundamentalData | null> {
   try {
```

```
const formattedSymbol = this.formatSymbol(symbol);
    const stockInfo = SAUDI_SYMBOLS.find(s => s.symbol === symbol);
    if (!stockInfo) return null:
   const endpoints = {
      fundamentals: \${API_URL}/fundamentals?symbol=${formattedSymbol}&apikey=${API_KEY}\,
      quote: `${API_URL}/quote?symbol=${formattedSymbol}&apikey=${API_KEY}`
     earnings: `${API_URL}/earnings?symbol=${formattedSymbol}&apikey=${API_KEY}`
   const [fundamentals, quote, earnings] = await Promise.all([
      this.fetchWithRetry(endpoints.fundamentals),
      this.fetchWithRetry(endpoints.quote)
      this.fetchWithRetry(endpoints.earnings)
    const valuationMetrics: ValuationMetrics = {
     price_earnings: this.safeNumber(fundamentals.pe_ratio),
      price_to_book: this.safeNumber(fundamentals.price_to_book_ratio),
     price_to_sales: this.safeNumber(fundamentals.price_to_sales_ratio),
     ev_to_ebitda: this.safeNumber(fundamentals.ev_to_ebitda),
     enterprise_value: this.safeNumber(fundamentals.enterprise_value),
     market_cap: this.safeNumber(fundamentals.market_cap)
   return {
      symbol,
      name: stockInfo.name,
      sector: stockInfo.sector,
      earnings per share: this.safeNumber(earnings.eps),
      dividend_yield: this.safeNumber(fundamentals.dividend_yield),
      book_value: this.safeNumber(fundamentals.book_value),
      beta: this.safeNumber(fundamentals.beta),
      fifty_two_week: {
        high: this.safeNumber(quote.fifty_two_week?.high),
        low: this.safeNumber(quote.fifty_two_week?.low)
       high_date: this.safeDate(quote.fifty_two_week?.high_date),
        low_date: this.safeDate(quote.fifty_two_week?.low_date),
       high_change: this.safeNumber(quote.fifty_two_week?.high_change),
       low_change: this.safeNumber(quote.fifty_two_week?.low_change),
       range: quote.fifty_two_week?.range | 'N/A'
      financial_ratios: {
        quick_ratio: this.safeNumber(fundamentals.quick_ratio),
        current ratio: this.safeNumber(fundamentals.current ratio),
       debt_to_equity: this.safeNumber(fundamentals.debt_to_equity),
        gross_margin: this.safeNumber(fundamentals.gross_margin),
       operating_margin: this.safeNumber(fundamentals.operating_margin),
       net_profit_margin: this.safeNumber(fundamentals.net_profit_margin),
       return_on_assets: this.safeNumber(fundamentals.roa),
        return_on_equity: this.safeNumber(fundamentals.roe);
        asset_turnover: this.safeNumber(fundamentals.asset_turnover)
      valuation metrics.
      growth metrics: {
        revenue_growth: this.safeNumber(fundamentals.revenue_growth),
        earnings_growth: this.safeNumber(earnings.growth),
       dividend_growth: this.safeNumber(fundamentals.dividend_growth)
 } catch (error) {
    console.error('Error fetching fundamentals for', symbol, ':', error);
    return null:
static async getFinancialStatements(
 symbol: string,
 period: 'quarterly' | 'annual' = 'annual'
): Promise<FinancialStatement[]> {
    const formattedSymbol = this.formatSymbol(symbol);
   const url = `${API_URL}/financial_statement?symbol=${formattedSymbol}&period=${period}&apikey=${API_KEY}`
   const response = await this.fetchWithRetry(url);
    if (!response.financials?.length) return [];
   return response.financials.map((statement: any, index: number, array: any[]) => {
     const current = {
       symbol,
       period.
       date: statement.date | '',
       currency: statement.currency | | 'SAR',
        revenue: this.safeNumber(statement.revenue),
```

#### /Users/abdulazizdot/Desktop/customer-suppaget-4agefnt4/app/lib/services/saudiFundamentals.ts

```
gross_profit: this.safeNumber(statement.gross_profit),
        operating_income: this.safeNumber(statement.operating_income),
        net_income: this.safeNumber(statement.net_income),
        eps: this.safeNumber(statement.eps)
        ebitda: this.safeNumber(statement.ebitda),
        total_assets: this.safeNumber(statement.total_assets),
        total_liabilities: this.safeNumber(statement.total_liabilities),
        total_equity: this.safeNumber(statement.total_equity),
        cash_and_equivalents: this.safeNumber(statement.cash_and_equivalents),
        total_debt: this.safeNumber(statement.total_debt),
        cash_flow_operations: this.safeNumber(statement.cash_flow_operating),
        cash_flow_investing: this.safeNumber(statement.cash_flow_investing),
        cash flow financing: this.safeNumber(statement.cash flow financing),
        free_cash_flow: this.safeNumber(statement.free_cash_flow)
      // Calculate year-over-year growth metrics if previous period exists
      if (index < array.length - 1) {</pre>
        const previous = array[index + 1];
        current.yoy_revenue_growth = this.calculateGrowth(current.revenue, previous.revenue);
       current.yoy_earnings_growth = this.calculateGrowth(current.net_income, previous.net_income);
       current.yoy_fcf_growth = this.calculateGrowth(current.free_cash_flow, previous.free_cash_flow);
      return current:
    1);
  } catch (error) {
    console.error('Error fetching financial statements for', symbol, ':', error);
static async getSectorComparison(sector: string): Promise<SectorMetrics> {
    const sectorCompanies = SAUDI_SYMBOLS.filter(stock => stock.sector === sector);
    const fundamentalsPromises = sectorCompanies.map(company => this.getFundamentals(company.symbol));
    const results = await Promise.allSettled(fundamentalsPromises);
    const validResults = results
      .filter((result): result is PromiseFulfilledResult<FundamentalData | null> =>
        result.status === 'fulfilled' && result.value !== null
      .map(result => result.value!);
    if (!validResults.length) throw new Error('No valid fundamental data found for sector');
    const returns = validResults.map(company => ({
      symbol: company.symbol,
      name: company.name,
      return: company.growth_metrics?.earnings_growth | 0
    1));
    returns.sort((a, b) => b.return - a.return);
    return {
     sector.
      average_pe: this.calculateAverage(validResults, r => r.valuation_metrics.price_earnings),
      average_pb: this.calculateAverage(validResults, r => r.valuation_metrics.price_to_book),
      average_dividend_yield: this.calculateAverage(validResults, r => r.dividend_yield),
      average market cap: this.calculateAverage(validResults, r => r.valuation metrics.market cap),
     best performer: returns[0].
      worst_performer: returns[returns.length - 1],
      total_market_cap: validResults.reduce((sum, company) => sum + company.valuation_metrics.market_cap, 0),
     companies_count: validResults.length
  } catch (error) {
    console.error('Error fetching sector comparison:', error);
    throw error;
private static calculateGrowth(current: number, previous: number): number {
  if (!previous) return 0;
  return ((current - previous) / Math.abs(previous)) * 100;
private static calculateAverage(data: any[], selector: (item: any) => number): number {
  const values = data.map(selector).filter(v => !isNaN(v) && v !== null);
  return values.length ? values.reduce((a, b) => a + b, 0) / values.length : 0;
```

### /Users/abdulazizdot/Desktop/customer-suppaget-lagefnt5/app/api/chat/route.ts

```
// /app/api/chat/route.ts
import Anthropic from "@anthropic-ai/sdk";
import { z } from "zod";
import crypto from "crypto";
import { FinanceAnalyzer } from "@/app/lib/context/financeAnalyzer";
import { FinanceContextManager } from "@/app/lib/context/financeContextManager";
import { FinanceContextAnalyzer } from "@/app/lib/context/financeContextUtils";
import { SaudiMarketHandler } from "@/app/market/saudiMarketHandler";
import { SaudiFundamentals } from '@/app/lib/services/saudiFundamentals';
// Initialize Anthropic client
const anthropic = new Anthropic({
  apiKey: process.env.ANTHROPIC_API_KEY,
  defaultHeaders: {
    "anthropic-beta": "pdfs-2024-09-25"
 }
});
// Initialize singleton context manager
const contextManager = new FinanceContextManager();
// Enhanced response schema with Saudi market data
const responseSchema = z.object({
  response: z.string(),
 thinking: z.string(),
 user_mood: z.enum(["positive", "neutral", "negative", "curious", "frustrated", "confused"]),
  suggested_questions: z.array(z.string()),
  financial_context: z.object({
    instruments_mentioned: z.array(z.string()),
   market_sentiment: z.enum(["bullish", "bearish", "neutral"]),
risk_level: z.enum(["low", "medium", "high"]),
    confidence_score: z.number(),
    technical_indicators: z.array(z.string()),
    fundamental_factors: z.array(z.string()),
    sectors: z.array(z.string()),
    economic_indicators: z.array(z.string()),
    analysis_type: z.enum(["technical", "fundamental", "mixed", "general"]),
    market_data: z.object({
      quotes: z.array(z.object({
        symbol: z.string().
        name: z.string(),
        price: z.number().nonnegative(),
        change: z.number().default(0),
        percent_change: z.number().default(0),
        volume: z.number().nonnegative().default(0),
        timestamp: z.string().optional(),
        sector: z.string().optional()
      })).default([]),
     market_details: z.object({
       exchange: z.string(),
        currency: z.string(),
        trading_hours: z.string(),
       data_delay: z.string()
      }).optional(),
      recent_performance: z.array(z.any()).optional()
    }).optional().nullable(),
    key_insights: z.array(z.string())
 debug: z.object({
    context used: z.boolean().
    market_data_used: z.boolean(),
    context_confidence: z.number(),
    analysis_quality: z.string()
 })
});
export async function POST(req: Request) {
 try {
    const { messages, pdfData, conversationId = crypto.randomUUID() } = await req.json();
    const latestMessage = messages[messages.length - 1].content;
    // Analyze financial context
    const baseAnalysis = FinanceAnalyzer.analyzeFinancialContext(latestMessage);
    const contextAnalysis = FinanceContextAnalyzer.analyzeFinancialMessage(latestMessage);
    // Analyze Saudi market specific companies and sectors
    const saudiMarketAnalysis = await SaudiMarketHandler.analyzeMentionedCompanies(latestMessage);
    // Fetch financial data for mentioned companies
    const financialDataPromises = saudiMarketAnalysis.companies.map(company =>
     SaudiFundamentals.getFundamentals(company.symbol)
    const financialDataResults = await Promise.all(financialDataPromises);
    // Combine all analyses
```

#### /Users/abdulazizdot/Desktop/customer-suppaget-2agefnt5/app/api/chat/route.ts

```
const combinedAnalysis = {
  ...baseAnalysis,
  confidence: Math.max(baseAnalysis.confidence, contextAnalysis.confidenceScore | 0),
  sentiment: contextAnalysis.sentiment | baseAnalysis.sentiment,
  technicalIndicators: [
    ...new Set([
      ...baseAnalysis.technicalIndicators,
      ...(contextAnalysis.technicalIndicators | [])
   ])
  fundamentalFactors: [
    ...new Set([
      ...baseAnalysis.fundamentalFactors,
      ...(contextAnalysis.fundamentalFactors | [])
  1,
  sectors: Array.from(saudiMarketAnalysis.sectors)
// Update context manager
const messageContext = {
 id: crypto.randomUUID(),
  role: 'user',
  content: latestMessage,
  timestamp: Date.now(),
 metadata: {
    instruments: combinedAnalysis.instruments.
    sentiment: combinedAnalysis.sentiment,
    riskLevel: combinedAnalysis.riskLevel,
    confidenceScore: combinedAnalysis.confidence,
    technicalIndicators: combinedAnalysis.technicalIndicators,
    fundamental Factors: \verb|combinedAnalysis.fundamentalFactors|,
    topics: combinedAnalysis.sectors,
    markets: combinedAnalysis.instruments
};
contextManager.addMessage(conversationId, messageContext);
const historicalContext = contextManager.getContextForPrompt(conversationId);
// Get market data for mentioned companies
let marketData = null;
if (saudiMarketAnalysis.companies.length > 0) {
  const companyData = await Promise.all(
    saudiMarketAnalysis.companies.slice(0, 3).map(company =>
      SaudiMarketHandler.getCompanyData(company.symbol)
   )
 );
  // Integrate financial data with market data
 marketData = {
    quotes: saudiMarketAnalysis.companies.map((company, index) => ({
       ..company,
      fundamentals: financialDataResults[index]
   market_details: companyData[0]?.market_details,
    recent_performance: companyData[0]?.recent_performance
// Build system context based on analysis
let systemContext = [
  "You are a highly knowledgeable Saudi market financial advisor and analyst.",
  combinedAnalysis.analysisType === 'technical' && "Focus on technical analysis and chart patterns.",
  combinedAnalysis.analysisType === 'fundamental' && "Focus on fundamental analysis and company metrics.",
  combinedAnalysis.riskLevel === 'high' && "Be sure to emphasize risk factors and potential downsides.",
  historicalContext && 'Previous context: ${historicalContext}',
  marketData && 'Current market data: ${JSON.stringify(marketData)}',
  'Current market sentiment: ${combinedAnalysis.sentiment}',
  'Analysis confidence: ${(combinedAnalysis.confidence * 100).toFixed(1)}%'
].filter(Boolean).join("\n");
 // Prepare message content
const messageContent = pdfData ? [{
  role: 'user',
  content: [
      type: 'document',
      source: {
       type: 'base64',
       media_type: 'application/pdf',
        data: pdfData,
      },
    },
      type: 'text',
```

#### /Users/abdulazizdot/Desktop/customer-suppaget-3agefnt5/app/api/chat/route.ts

```
text: latestMessage,
     },
   ],
 }]:[{
   role: 'user',
   content: [{
     type: 'text',
     text: '${systemContext}\n\nUser query: ${latestMessage}'
   }],
 }];
 // Get response from Claude
 const response = await anthropic.messages.create({
   model: "claude-3-5-sonnet-20241022",
   max_tokens: 4096,
   messages: messageContent,
 });
 // Generate suggested questions based on context
 const suggestedQuestions = generateFinancialQuestions(
   combinedAnalysis,
    contextManager.getKeyInsights(conversationId),
   saudiMarketAnalysis
 );
 // Calculate analysis quality
 const analysisQuality = calculateAnalysisQuality(
   combinedAnalysis,
   historicalContext,
   saudiMarketAnalysis
 // Prepare response data
 const responseData = {
   response: response.content[0].text,
   thinking: "Analyzing Saudi market data and financial context",
   {\tt user\_mood:} \ {\tt determineUserMood(latestMessage, combinedAnalysis)} \ ,
    suggested_questions: suggestedQuestions,
    financial_context: {
     instruments_mentioned: combinedAnalysis.instruments,
     market sentiment: combinedAnalysis.sentiment,
     risk_level: combinedAnalysis.riskLevel,
     confidence_score: combinedAnalysis.confidence,
     technical_indicators: combinedAnalysis.technicalIndicators,
     fundamental_factors: combinedAnalysis.fundamentalFactors,
     sectors: combinedAnalysis.sectors,
     economic_indicators: combinedAnalysis.economicIndicators,
     analysis_type: combinedAnalysis.analysisType,
     market data: marketData.
     key_insights: contextManager.getKeyInsights(conversationId)
   debug: {
     context_used: !!historicalContext,
     market_data_used: !!marketData,
     context_confidence: contextManager.qetActiveInstruments(conversationId).length > 0 ? 0.9 : 0.5,
     analysis_quality: analysisQuality
 };
 // Validate response
 const validatedResponse = responseSchema.parse(responseData);
 return new Response(JSON.stringify({
   id: crypto.randomUUID(),
   conversationId,
    ...validatedResponse,
 }), {
    status: 200,
   headers: { "Content-Type": "application/json" }
 });
} catch (error) {
 console.error("Error in chat handler:", error);
 return new Response(
    JSON.stringifv({
     response: "An error occurred while processing your Saudi market query. Please try again.",
     thinking: "Error in analysis",
      user_mood: "frustrated",
     suggested_questions: [
        "Would you like to view the current market overview?",
        "Should we look at a specific sector instead?",
       "Would you like to know about top performing stocks?"
      financial_context: {
        instruments_mentioned: [],
       market_sentiment: "neutral",
```

```
risk_level: "medium",
          confidence score: 0,
          technical indicators: [],
          fundamental_factors: [],
          sectors: [],
          economic_indicators: [],
          analysis_type: "general",
          market_data: null,
          key_insights: []
        debug: {
          context used: false,
          market_data_used: false,
          context_confidence: 0,
          analysis_quality: "error"
      }),
        status: 500,
        headers: { "Content-Type": "application/json" }
   );
 }
function generateFinancialOuestions(
 analysis: any,
 insights: string[],
 marketAnalysis: { companies: any[], sectors: Set<string> }
): string[] {
  const questions = [];
  // Add Saudi market specific questions
  if (marketAnalysis.companies.length > 0) {
    const company = marketAnalysis.companies[0];
    questions.push(
      'What's your analysis of ${company.name}'s recent performance?',
      'How does ${company.name} compare to its sector peers?'
   );
 if (marketAnalysis.sectors.size > 0) {
    const sector = Array.from(marketAnalysis.sectors)[0];
    questions.push(
       'What's your outlook for the ${sector} sector?',
      'Which companies in the ${sector} sector show the most promise?'
  // Add analysis-type specific questions
 if (analysis.technicalIndicators.length > 0) {
    questions.push(
      'How do the ${analysis.technicalIndicators[0]} levels compare to historical trends?'
 if (analysis.fundamentalFactors.length > 0) {
    questions.push (
      'How do these ${analysis.fundamentalFactors[0]} metrics compare to sector averages?'
   );
  // Add general market questions if needed
 if (questions.length < 3) {
    questions.push(
      "What are the key factors driving the Saudi market today?",
      "Which sectors are showing the strongest momentum?",
      "How might current economic conditions affect the market?"
   );
  // Return top 3 most relevant questions
  return questions.slice(0, 3);
function determineUserMood(
 message: string,
  analysis: any
): "positive" | "neutral" | "negative" | "curious" | "frustrated" | "confused" {
 const text = message.toLowerCase();
 if (text.includes('help') |  text.includes('?')) return 'curious';
if (text.includes('wrong') | text.includes('error')) return 'frustrated';
 if (text.includes('not sure') | text.includes('confused')) return 'confused';
 if (analysis.confidence > 0.8) {
```

# /Users/abdulazizdot/Desktop/customer-suppaget-5agefnt5/app/api/chat/route.ts

```
return analysis.sentiment === 'bullish' ? 'positive' :
           analysis.sentiment === 'bearish' ? 'negative' : 'neutral';
 return analysis.confidence < 0.5 ? 'curious' : 'neutral';</pre>
function calculateAnalysisQuality(
 analysis: any,
 historicalContext: string | null,
 marketAnalysis: { companies: any[], sectors: Set<string> }
): string {
 const factors = {
   hasCompanies: marketAnalysis.companies.length > 0,
    hasSectors: marketAnalysis.sectors.size > 0,
    hasTechnical: analysis.technicalIndicators.length > 0,
   hasFundamental: analysis.fundamentalFactors.length > 0,
   hasHistory: !!historicalContext,
   highConfidence: analysis.confidence > 0.7
 const score = Object.values(factors).filter(Boolean).length;
 if (score >= 5) return 'excellent';
 if (score >= 3) return 'good';
if (score >= 1) return 'fair';
 return 'limited';
```

```
// /app/lib/market/saudiMarketHandler.ts
import { API_KEY, API_URL, SAUDI_SYMBOLS, SAUDI_MARKET } from '@/app/config/market';
import { SaudiFundamentals } from '@/app/lib/services/saudiFundamentals';
interface SaudiQuote {
 symbol: string;
 name: string;
 name_ar?: string;
 price: number;
 change: number;
 percent_change: number;
 volume: number;
 timestamp: string;
 sector?: string;
 fundamentals?: {
   price_earnings: number;
   earnings_per_share: number;
   dividend_yield: number;
   market_cap: number;
   financial_ratios: {
     quick_ratio: number;
      current_ratio: number;
      debt_to_equity: number;
     net_profit_margin: number;
   };
  };
  sector_comparison?: {
   sector_avg_pe: number;
   sector_avg_dividend_yield: number;
   sector_position: 'above_average' | 'below_average' | 'average';
}
export class SaudiMarketHandler {
 private static formatTadawulSymbol(symbol: string): string {
   // Remove any existing suffixes
   const cleanSymbol = symbol.replace(/\.(SAU TADAWUL)$/, '');
   // Add Tadawul suffix
   return `${cleanSymbol}:Tadawul';
 private static safeParseNumber(value: any): number {
   if (value === null || value === undefined) return 0;
   const parsed = parseFloat(value);
   return isNaN(parsed) ? 0 : parsed;
 private static async fetchWithRetry(url: string, retries = 3): Promise<any> {
   let lastError;
   for (let i = 0; i < retries; i++) {</pre>
     try {
        const response = await fetch(url);
       if (!response.ok) {
          console.log('Response not OK:', await response.text());
          throw new Error('HTTP error! status: ${response.status}');
       const data = await response.json();
       console.log('Fetched data:', data); // Debug log
       return data;
      } catch (error)
       console.error('Attempt ${i + 1} failed:', error);
        lastError = error;
       await new Promise(resolve => setTimeout(resolve, 1000 * (i + 1)));
   throw lastError;
 private static formatTimestamp(timestamp: number | string): string {
   if (typeof timestamp === 'number') {
     // Convert UNIX timestamp to ISO string
      return new Date(timestamp * 1000).toISOString();
   return timestamp | new Date().toISOString();
 private static safeParseQuote(data: any, stockInfo: any): SaudiQuote {
   const quote = {
      symbol: stockInfo.tickerSymbol,
      name: stockInfo.name,
     name_ar: stockInfo.name_ar,
     price: this.safeParseNumber(data.close | data.price),
      change: this.safeParseNumber(data.change),
```

```
percent_change: this.safeParseNumber(data.percent_change),
    volume: this.safeParseNumber(data.volume),
    timestamp: this.formatTimestamp(data.timestamp),
    sector: stockInfo.sector,
    trading_info: {
      open: this.safeParseNumber(data.open),
      high: this.safeParseNumber(data.high),
      low: this.safeParseNumber(data.low).
      previous_close: this.safeParseNumber(data.previous_close),
      is_market_open: data.is_market_open || false,
fifty_two_week: data.fifty_two_week || {
        low: 0,
        high: 0.
        low_change: 0,
        high change: 0,
        low_change_percent: 0,
        high_change_percent: 0,
        range: 'N/A
      }
    }
  console.log('Parsed quote:', quote); // Debug log
  return quote;
static async getQuote(query: string): Promise<SaudiQuote | null> {
  trv {
    const stockInfo = SAUDI_SYMBOLS.find(stock =>
     stock.tickerSymbol === query ||
      stock.name.toLowerCase().includes(query.toLowerCase()) | |
      (stock.name_ar && stock.name_ar.includes(query))
    ):
    if (!stockInfo) {
      console.log('Stock not found for query:', query);
      return null:
    const formattedSymbol = this.formatTadawulSymbol(stockInfo.tickerSymbol);
    const url = `${API_URL}/quote?symbol=${formattedSymbol}&apikey=${API_KEY}';
    console.log('Fetching URL:', url); // Debug log
    const data = await this.fetchWithRetry(url);
    return this.safeParseQuote(data, stockInfo);
  } catch (error) {
    console.error('Error fetching quote for ${query}:', error);
    return null;
static async getQuotes(queries: string[]): Promise<SaudiQuote[]> {
  try {
    const validStocks = queries
     .map(query => SAUDI_SYMBOLS.find(stock =>
        stock.tickerSymbol === query |
        stock.name.toLowerCase().includes(query.toLowerCase())
        (stock.name_ar && stock.name_ar.includes(query))
      ))
      .filter((stock): stock is typeof SAUDI_SYMBOLS[0] => stock !== undefined);
    if (!validStocks.length) return [];
    const symbols = validStocks
      .map(stock => this.formatTadawulSymbol(stock.tickerSymbol))
      .join(',');
    console.log('Fetching quotes for symbols:', symbols); // Debug log
    const url = `${API_URL}/quote?symbol=${symbols}&apikey=${API_KEY}';
    const data = await this.fetchWithRetry(url);
    const quotesData = Array.isArray(data) ? data : [data];
    return quotesData.map((quote, index) =>
     this.safeParseQuote(quote, validStocks[index])
  } catch (error) {
    console.error('Error fetching Saudi market quotes:', error);
    return []:
static async getCompanyData(query: string): Promise<any> {
  try {
    const stockInfo = SAUDI_SYMBOLS.find(stock =>
      stock.tickerSymbol === query ||
      stock.name.toLowerCase().includes(query.toLowerCase()) | |
```

# /Users/abdulazizdot/Desktop/customer-suppaget 3agefn 5/app/market/saudiMarketHandler.ts

```
(stock.name_ar && stock.name_ar.includes(query))
    if (!stockInfo) return null;
    const formattedSymbol = this.formatTadawulSymbol(stockInfo.tickerSymbol);
    const [quote, timeSeries] = await Promise.all([
      this.getQuote(stockInfo.tickerSymbol),
      this.fetchWithRetry(
        `${API_URL}/time_series?symbol=${formattedSymbol}&interval=1day&outputsize=5&apikey=${API_KEY}`
    1);
    return {
     recent_performance: timeSeries.values | [],
     market_details: {
        ...SAUDI_MARKET,
       sector: stockInfo.sector
    1:
  } catch (error) {
    console.error('Error fetching Saudi company data:', error);
    return null;
static async analyzeMentionedCompanies(text: string): Promise<{</pre>
  companies: SaudiQuote[];
  sectors: Set<string>;
}> {
 try {
    const mentionedStocks = SAUDI_SYMBOLS.filter(stock =>
     text.toLowerCase().includes(stock.name.toLowerCase()) | |
      text.includes(stock.tickerSymbol) ||
      (stock.name_ar && text.includes(stock.name_ar))
    );
    console.log('Found mentioned stocks:', mentionedStocks); // Debug log
    const guotes = await this.getOuotes(
     mentionedStocks.map(stock => stock.tickerSymbol)
    const sectors = new Set(
     mentionedStocks.map(stock => stock.sector)
    return {
     companies: quotes,
     sectors
    console.error('Error analyzing mentioned companies:', error);
    return {
     companies: [],
     sectors: new Set()
  }
static async getMarketOverview(): Promise<any> {
  try {
    // Key market indicators
    const mainSymbols = [
      '1120', // Al Rajhi Bank
     '2222', // Saudi Aramco
     '7010', // STC
'2010' // SABIC
    const quotes = await this.getQuotes(mainSymbols);
    return {
     market_info: SAUDI_MARKET,
     timestamp: new Date().toISOString()
  } catch (error) {
    console.error('Error fetching market overview:', error);
    return null:
```

# /Users/abdulazizdot/Desktop/customer-suppaget-lagefmtl/app/globals.css

```
@tailwind base;
@tailwind components;
@tailwind utilities;
@layer base {
    :root {
       --background: 0 0% 100%;
        --foreground: 0 0% 3.9%;
        --card: 0 0% 100%;
        --card-foreground: 0 0% 3.9%;
        --popover: 0 0% 100%;
        --popover-foreground: 0 0% 3.9%;
        --primary: 0 0% 9%;
        --primary-foreground: 0 0% 98%;
        --secondary: 0 0% 96.1%;
        --secondary-foreground: 0 0% 9%;
        --muted: 0 0% 96.1%;
        --muted-foreground: 0 0% 45.1%;
        --accent: 0 0% 96.1%;
        --accent-foreground: 0 0% 9%;
        --destructive: 0 84.2% 60.2%;
        --destructive-foreground: 0 0% 98%;
        --border: 0 0% 89.8%;
        --input: 0 0% 89.8%;
        --ring: 0 0% 3.9%;
        --radius: 0.75rem;
        --chart-1: 12 76% 61%;
        --chart-2: 173 58% 39%;
        --chart-3: 197 37% 24%;
        --chart-4: 43 74% 66%;
        --chart-5: 27 87% 67%;
    .dark {
        --background: 0 0% 3.9%;
        --foreground: 0 0% 98%;
        --card: 0 0% 3.9%;
        --card-foreground: 0 0% 98%;
        --popover: 0 0% 3.9%;
        --popover-foreground: 0 0% 98%;
        --primary: 0 0% 98%;
        --primary-foreground: 0 0% 9%;
        --secondary: 0 0% 14.9%;
        --secondary-foreground: 0 0% 98%;
        --muted: 0 0% 14.9%;
        --muted-foreground: 0 0% 63.9%;
        --accent: 0 0% 14.9%;
        --accent-foreground: 0 0% 98%;
        --destructive: 0 62.8% 30.6%;
        --destructive-foreground: 0 0% 98%;
        --border: 0 0% 14.9%;
        --input: 0 0% 14.9%;
        --ring: 0 0% 83.1%;
        --chart-1: 220 70% 50%;
        --chart-2: 160 60% 45%;
        --chart-3: 30 80% 55%;
        --chart-4: 280 65% 60%;
        --chart-5: 340 75% 55%;
    }
@layer base {
        @apply border-border;
   body {
        @apply bg-background text-foreground;
```

# /Users/abdulazizdot/Desktop/customer-suppaget-lagefnt2/code\_to\_pdf.sh

```
#!/bin/bash
# Function to print usage
print_usage() {
    echo "Usage: $0 <output_pdf> <directory1> [<directory2> ...]"
    echo "Example: $0 all_code.pdf /path/to/project1 /path/to/project2"
# Check if at least two arguments are provided
if [ $# -1t 2 ]; then
   print_usage
    exit 1
# Output PDF file name
OUTPUT="$1"
shift
# Temporary PS file
TEMP_PS="temp.ps"
# Array of file extensions to include
EXTENSIONS=("c" "cpp" "h" "hpp" "py" "java" "js" "html" "css" "php" "rb" "go" "rs" "swift" "kt" "scala" "pl" "s
h" "sql" "js" "ts")
# Function to get the appropriate language for enscript
get_language() {
    case "$1" in
        c|h|cpp|hpp) echo "c" ;;
       py) echo "python" ;;
        java) echo "java" ;;
        js|ts) echo "javascript" ;;
       html css) echo "html" ;;
       php) echo "php" ;;
        rb) echo "ruby" ;;
       go) echo "go" ;;
        rs) echo "rust" ;;
        swift) echo "swift" ;;
        kt) echo "kotlin" ;;
        scala) echo "scala"
       pl) echo "perl" ;;
        sh) echo "bash" ;;
        sql) echo "sql" ;;
        json) echo "javascript" ;;
        *) echo "text" ;;
    esac
}
# Function to generate the find command for a single directory
generate_find_command() {
    local dir="$1"
    local cmd="find \"$dir\" \( -type d \( -name node_modules -o -name .next \) -prune \) -o \( -type f \("
    for i in "${!EXTENSIONS[@]}"; do
       if [ $i -ne 0 ]; then
            cmd+=" -o"
       cmd+=" -name \"*.${EXTENSIONS[$i]}\""
    done
    cmd+=" \) -print \)"
    echo "$cmd"
# Clear the temporary PS file if it exists
> "$TEMP_PS"
# Process each directory
for dir in "$@"; do
    if [ ! -d "$dir" ]; then
        echo "Warning: $dir is not a valid directory. Skipping."
        continue
    fi
    echo "Processing directory: $dir"
    # Generate and execute the find command
    eval "$(generate_find_command "$dir")" | while read -r file; do
       echo "Converting $file"
        # Get the file extension
       ext="${file##*.}"
        # Get the appropriate language for enscript
       lang=$(get_language "$ext")
        # Use the appropriate syntax highlighting based on the file extension
        enscript -p - --highlight="$lang" --color=1 -fCourier8 --header="$file Page \$% of \$=" "$file" >> "$TE
MP_PS"
   done
done
```

# /Users/abdulazizdot/Desktop/customer-suppaget2agent2/code\_to\_pdf.sh

```
# Check if any files were processed
if [ ! -s "$TEMP_PS" ]; then
        echo "Error: No files were found or processed. The output PDF will not be created."
        rm "$TEMP_PS"
        exit 1
fi

# Convert PostScript to PDF
ps2pdf "$TEMP_PS" "$OUTPUT"

# Remove temporary PostScript file
rm "$TEMP_PS"
echo "Conversion complete. Output saved as $OUTPUT"
```

# /Users/abdulazizdot/Desktop/customer-suppaget-lagefntl/next-env.d.ts

```
/// <reference types="next" />
/// <reference types="next/image-types/global" />
// NOTE: This file should not be edited
// see https://nextjs.org/docs/basic-features/typescript for more information.
```

#### /Users/abdulazizdot/Desktop/customer-suppaget-lagent2/tailwind.config.ts

```
import type { Config } from "tailwindcss";
const config = {
 darkMode: ["class"],
  content: [
    "./pages/**/*.{ts,tsx}",
    "./components/**/*.{ts,tsx}",
    "./app/**/*.{ts,tsx}",
    "./src/**/*.{ts,tsx}",
 prefix: "",
 theme: {
    container: {
     center: true,
      padding: "2rem",
     screens: {
        "2x1": "1400px",
     },
    },
    extend: {
      colors: {
        border: "hsl(var(--border))",
        input: "hsl(var(--input))",
        ring: "hsl(var(--ring))",
        background: "hsl(var(--background))",
        foreground: "hsl(var(--foreground))",
        primary: {
         DEFAULT: "hsl(var(--primary))",
          foreground: "hsl(var(--primary-foreground))",
        secondary: {
   DEFAULT: "hsl(var(--secondary))",
          foreground: "hsl(var(--secondary-foreground))",
        destructive: {
         DEFAULT: "hsl(var(--destructive))",
         foreground: "hsl(var(--destructive-foreground))",
        muted: {
          DEFAULT: "hsl(var(--muted))",
         foreground: "hsl(var(--muted-foreground))",
        accent: {
         DEFAULT: "hsl(var(--accent))",
          foreground: "hsl(var(--accent-foreground))",
        popover: {
          DEFAULT: "hsl(var(--popover))",
         foreground: "hsl (var (--popover-foreground))",
        card: {
          DEFAULT: "hsl(var(--card))",
          foreground: "hsl (var (--card-foreground))",
      borderRadius: {
        lg: "var(--radius)",
        md: "calc(var(--radius) - 2px)",
        sm: "calc(var(--radius) - 4px)",
      kevframes: {
        "accordion-down": {
         from: { height: "0" },
          to: { height: "var(--radix-accordion-content-height)" },
        "accordion-up": {
          from: { height: "var(--radix-accordion-content-height)" },
          to: { height: "0" },
        fadeIn: {
          "0%": { opacity: "0" },
          "100%": { opacity: "1" },
        fadeInUp: {
          "0%": { opacity: "0", transform: "translateY(8px)" },
"100%": { opacity: "1", transform: "translateY(0)" },
        shimmer: {
          "100%": { transform: "translateX(100%)" },
        },
      animation: {
        "accordion-down": "accordion-down 0.2s ease-out",
        "accordion-up": "accordion-up 0.2s ease-out",
        "fade-in": "fadeIn 0.5s ease-out forwards",
        "fade-in-up": "fadeInUp 0.5s ease-out forwards",
```

# /Users/abdulazizdot/Desktop/customer-suppaget 2agefnt2/tailwind.config.ts

```
"fade-in-up-fast": "fadeInUp 0.3s ease-out forwards",
    "fade-in-up-slow":
        "fadeInUp 0.8s cubic-bezier(0.4, 0, 0.2, 1) forwards",
        shimmer: "shimmer 2s linear infinite",
     },
    },
    plugins: [require("tailwindcss-animate")],
} satisfies Config;
export default config;
```

#### /Users/abdulazizdot/Desktop/customer-suppaget-lagefint5/styles/themes.js

```
// themes.ts
export const themes = {
 neutral: {
    light: {
      background: "0 0% 100%",
      foreground: "0 0% 3.9%",
      card: "0 0% 100%",
      "card-foreground": "0 0% 3.9%",
      popover: "0 0% 100%",
      "popover-foreground": "0 0% 3.9%",
      primary: "0 0% 9%",
       primary-foreground": "0 0% 98%",
      secondary: "0 0% 96.1%",
      "secondary-foreground": "0 0% 9%",
      muted: "0 0% 96.1%",
      "muted-foreground": "0 0% 45.1%",
      accent: "0 0% 96.1%",
      "accent-foreground": "0 0% 9%",
      destructive: "0 84.2% 60.2%",
      "destructive-foreground": "0 0% 98%",
      border: "0 0% 89.8%",
      input: "0 0% 89.8%",
      ring: "0 0% 3.9%",
      radius: "0.75rem",
      "chart-1": "12 76% 61%",
      "chart-2": "173 58% 39%",
      "chart-3": "197 37% 24%",
      "chart-4": "43 74% 66%",
      "chart-5": "27 87% 67%",
    dark: {
      background: "0 0% 3.9%",
      foreground: "0 0% 98%",
      card: "0 0% 3.9%",
      "card-foreground": "0 0% 98%",
      popover: "0 0% 3.9%",
       "popover-foreground": "0 0% 98%",
      primary: "0 0% 98%",
      "primary-foreground": "0 0% 9%",
      secondary: "0 0% 14.9%",
      "secondary-foreground": "0 0% 98%",
      muted: "0 0% 14.9%",
      "muted-foreground": "0 0% 63.9%",
      accent: "0 0% 14.9%",
      "accent-foreground": "0 0% 98%",
      destructive: "0 62.8% 30.6%",
      "destructive-foreground": "0 0% 98%",
      border: "0 0% 14.9%",
      input: "0 0% 14.9%",
      ring: "0 0% 83.1%",
      radius: "0.75rem",
      "chart-1": "220 70% 50%",
      "chart-2": "160 60% 45%",
      "chart-3": "30 80% 55%",
      "chart-4": "280 65% 60%"
      "chart-5": "340 75% 55%",
  red: {
    light: {
     background: "0 0% 100%", foreground: "0 0% 3.9%",
      card: "0 0% 100%",
      "card-foreground": "0 0% 3.9%",
      popover: "0 0% 100%",
      "popover-foreground": "0 0% 3.9%",
      primary: "0 72.2% 50.6%",
      "primary-foreground": "0 85.7% 97.3%",
      secondary: "0 0% 96.1%",
      "secondary-foreground": "0 0% 9%",
      muted: "0 0% 96.1%",
"muted-foreground": "0 0% 45.1%",
      accent: "0 0% 96.1%",
      "accent-foreground": "0 0% 9%",
      destructive: "0 84.2% 60.2%",
      "destructive-foreground": "0 0% 98%",
      border: "0 0% 89.8%",
      input: "0 0% 89.8%",
      ring: "0 72.2% 50.6%",
      radius: "0.75rem",
      "chart-1": "12 76% 61%",
      "chart-2": "173 58% 39%",
      "chart-3": "197 37% 24%",
      "chart-4": "43 74% 66%",
      "chart-5": "27 87% 67%",
```

#### /Users/abdulazizdot/Desktop/customer-suppaget2agefnt5/styles/themes.js

```
dark: {
   background: "0 0% 3.9%",
    foreground: "0 0% 98%",
    card: "0 0% 3.9%",
    "card-foreground": "0 0% 98%",
    popover: "0 0% 3.9%",
     "popover-foreground": "0 0% 98%",
    primary: "0 72.2% 50.6%",
    "primary-foreground": "0 85.7% 97.3%",
    secondary: "0 0% 14.9%",
    "secondary-foreground": "0 0% 98%",
    muted: "0 0% 14.9%",
    "muted-foreground": "0 0% 63.9%".
    accent: "0 0% 14.9%",
    "accent-foreground": "0 0% 98%".
    destructive: "0 62.8% 30.6%",
    "destructive-foreground": "0 0% 98%",
    border: "0 0% 14.9%",
    input: "0 0% 14.9%"
   ring: "0 72.2% 50.6%",
    radius: "0.75rem",
    "chart-1": "220 70% 50%",
    "chart-2": "160 60% 45%",
    "chart-3": "30 80% 55%",
    "chart-4": "280 65% 60%"
    "chart-5": "340 75% 55%".
 },
violet: {
  light: {
   background: "0 0% 100%",
    foreground: "224 71.4% 4.1%",
    card: "0 0% 100%",
    "card-foreground": "224 71.4% 4.1%",
    popover: "0 0% 100%",
    "popover-foreground": "224 71.4% 4.1%",
    primary: "262.1 83.3% 57.8%"
    "primary-foreground": "210 20% 98%",
    secondary: "220 14.3% 95.9%",
    "secondary-foreground": "220.9 39.3% 11%",
    muted: "220 14.3% 95.9%",
    "muted-foreground": "220 8.9% 46.1%",
    accent: "220 14.3% 95.9%",
    "accent-foreground": "220.9 39.3% 11%",
    destructive: "0 84.2% 60.2%",
    "destructive-foreground": "210 20% 98%",
    border: "220 13% 91%",
    input: "220 13% 91%",
    ring: "262.1 83.3% 57.8%",
    radius: "0.75rem",
    "chart-1": "12 76% 61%",
    "chart-2": "173 58% 39%",
    "chart-3": "197 37% 24%",
    "chart-4": "43 74% 66%",
    "chart-5": "27 87% 67%",
  dark: {
    background: "224 71.4% 4.1%",
    foreground: "210 20% 98%",
    card: "224 71.4% 4.1%",
    "card-foreground": "210 20% 98%",
    popover: "224 71.4% 4.1%",
     "popover-foreground": "210 20% 98%",
    primary: "263.4 70% 50.4%",
    "primary-foreground": "210 20% 98%".
    secondary: "215 27.9% 16.9%",
    "secondary-foreground": "210 20% 98%",
    muted: "215 27.9% 16.9%",
    "muted-foreground": "217.9 10.6% 64.9%",
    accent: "215 27.9% 16.9%",
    "accent-foreground": "210 20% 98%",
    destructive: "0 62.8% 30.6%",
    "destructive-foreground": "210 20% 98%",
    border: "215 27.9% 16.9%",
    input: "215 27.9% 16.9%",
    ring: "263.4 70% 50.4%",
    radius: "0.75rem",
    "chart-1": "220 70% 50%",
    "chart-2": "160 60% 45%",
    "chart-3": "30 80% 55%",
    "chart-4": "280 65% 60%"
    "chart-5": "340 75% 55%",
  },
blue: {
```

#### /Users/abdulazizdot/Desktop/customer-suppaget3agefnt5/styles/themes.js

```
background: "0 0% 100%",
    foreground: "222.2 84% 4.9%",
    card: "0 0% 100%",
    "card-foreground": "222.2 84% 4.9%",
    popover: "0 0% 100%",
    "popover-foreground": "222.2 84% 4.9%",
    primary: "221.2 83.2% 53.3%"
    "primary-foreground": "210 40% 98%",
    secondary: "210 40% 96.1%",
    "secondary-foreground": "222.2 47.4% 11.2%",
   muted: "210 40% 96.1%",
    "muted-foreground": "215.4 16.3% 46.9%",
    accent: "210 40% 96.1%",
    "accent-foreground": "222.2 47.4% 11.2%",
    destructive: "0 84.2% 60.2%",
    "destructive-foreground": "210 40% 98%",
   border: "214.3 31.8% 91.4%",
    input: "214.3 31.8% 91.4%",
    ring: "221.2 83.2% 53.3%",
   radius: "0.75rem",
    "chart-1": "12 76% 61%",
    "chart-2": "173 58% 39%"
    "chart-3": "197 37% 24%",
    "chart-4": "43 74% 66%",
    "chart-5": "27 87% 67%",
 dark: {
   background: "222.2 84% 4.9%",
    foreground: "210 40% 98%",
    card: "222.2 84% 4.9%",
    "card-foreground": "210 40% 98%",
    popover: "222.2 84% 4.9%",
    popover-foreground": "210 40% 98%",
    primary: "217.2 91.2% 59.8%",
    "primary-foreground": "222.2 47.4% 11.2%",
    secondary: "217.2 32.6% 17.5%"
    "secondary-foreground": "210 40% 98%",
    muted: "217.2 32.6% 17.5%",
    "muted-foreground": "215 20.2% 65.1%",
    accent: "217.2 32.6% 17.5%",
    "accent-foreground": "210 40% 98%",
    destructive: "0 62.8% 30.6%",
    "destructive-foreground": "210 40% 98%",
    border: "217.2 32.6% 17.5%",
   input: "217.2 32.6% 17.5%",
    ring: "224.3 76.3% 48%",
    "chart-1": "220 70% 50%",
   "chart-2": "160 60% 45%",
    "chart-3": "30 80% 55%",
    "chart-4": "280 65% 60%"
    "chart-5": "340 75% 55%",
tangerine: {
 light: {
   background: "0 0% 100%", foreground: "20 14.3% 4.1%",
    card: "0 0% 100%",
    "card-foreground": "20 14.3% 4.1%",
   popover: "0 0% 100%",
    "popover-foreground": "20 14.3% 4.1%",
    primary: "24.6 95% 53.1%",
    primary-foreground": "60 9.1% 97.8%",
    secondary: "60 4.8% 95.9%",
    "secondary-foreground": "24 9.8% 10%",
   muted: "60 4.8% 95.9%",
    "muted-foreground": "25 5.3% 44.7%",
    accent: "60 4.8% 95.9%",
    "accent-foreground": "24 9.8% 10%",
    destructive: "0 84.2% 60.2%",
    "destructive-foreground": "60 9.1% 97.8%",
   border: "20 5.9% 90%",
   input: "20 5.9% 90%",
    ring: "24.6 95% 53.1%",
    radius: "0.75rem",
    "chart-1": "12 76% 61%",
    "chart-2": "173 58% 39%",
    "chart-3": "197 37% 24%",
    "chart-4": "43 74% 66%",
    "chart-5": "27 87% 67%",
   background: "20 14.3% 4.1%",
    foreground: "60 9.1% 97.8%",
    card: "20 14.3% 4.1%",
```

#### /Users/abdulazizdot/Desktop/customer-suppaget4agefnt5/styles/themes.js

```
"card-foreground": "60 9.1% 97.8%",
    popover: "20 14.3% 4.1%"
    "popover-foreground": "60 9.1% 97.8%",
    primary: "20.5 90.2% 48.2%"
    "primary-foreground": "60 9.1% 97.8%",
    secondary: "12 6.5% 15.1%",
    "secondary-foreground": "60 9.1% 97.8%",
   muted: "12 6.5% 15.1%",
    "muted-foreground": "24 5.4% 63.9%",
    accent: "12 6.5% 15.1%",
    "accent-foreground": "60 9.1% 97.8%",
    destructive: "0 72.2% 50.6%",
    "destructive-foreground": "60 9.1% 97.8%",
   border: "12 6.5% 15.1%", input: "12 6.5% 15.1%",
   ring: "20.5 90.2% 48.2%",
    "chart-1": "220 70% 50%",
    "chart-2": "160 60% 45%",
    "chart-3": "30 80% 55%",
    "chart-4": "280 65% 60%"
    "chart-5": "340 75% 55%",
 },
emerald: {
 light: {
   background: "0 0% 100%",
    foreground: "240 10% 3.9%",
    card: "0 0% 100%",
    "card-foreground": "240 10% 3.9%",
    popover: "0 0% 100%",
    "popover-foreground": "240 10% 3.9%",
    primary: "142.1 76.2% 36.3%"
    "primary-foreground": "355.7 100% 97.3%",
    secondary: "240 4.8% 95.9%"
    "secondary-foreground": "240 5.9% 10%",
   muted: "240 4.8% 95.9%",
    "muted-foreground": "240 3.8% 46.1%",
    accent: "240 4.8% 95.9%"
    "accent-foreground": "240 5.9% 10%",
    destructive: "0 84.2% 60.2%",
    "destructive-foreground": "0 0% 98%",
   border: "240 5.9% 90%",
    input: "240 5.9% 90%",
    ring: "142.1 76.2% 36.3%",
    radius: "0.75rem",
    "chart-1": "12 76% 61%",
    "chart-2": "173 58% 39%"
    "chart-3": "197 37% 24%",
    "chart-4": "43 74% 66%",
    "chart-5": "27 87% 67%",
 dark: {
    background: "20 14.3% 4.1%",
    foreground: "0 0% 95%",
    card: "24 9.8% 10%"
    "card-foreground": "0 0% 95%".
    popover: "0 0% 9%",
    popover-foreground": "0 0% 95%",
    primary: "142.1 70.6% 45.3%",
    "primary-foreground": "144.9 80.4% 10%",
    secondary: "240 3.7% 15.9%",
    "secondary-foreground": "0 0% 98%",
    muted: "0 0% 15%",
    "muted-foreground": "240 5% 64.9%",
    accent: "12 6.5% 15.1%",
    "accent-foreground": "0 0% 98%"
    destructive: "0 62.8% 30.6%",
    "destructive-foreground": "0 85.7% 97.3%",
    border: "240 3.7% 15.9%",
   input: "240 3.7% 15.9%", ring: "142.4 71.8% 29.2%",
    "chart-1": "220 70% 50%",
    "chart-2": "160 60% 45%",
    "chart-3": "30 80% 55%",
    "chart-4": "280 65% 60%"
    "chart-5": "340 75% 55%",
 },
amber: {
 light: {
    background: "0 0% 100%",
    foreground: "20 14.3% 4.1%",
    card: "0 0% 100%",
    "card-foreground": "20 14.3% 4.1%",
    popover: "0 0% 100%",
    "popover-foreground": "20 14.3% 4.1%",
```

# /Users/abdulazizdot/Desktop/customer-suppaget-5agefnt5/styles/themes.js

```
primary: "47.9 95.8% 53.1%"
     "primary-foreground": "26 83.3% 14.1%",
    secondary: "60 4.8% 95.9%",
    "secondary-foreground": "24 9.8% 10%",
    muted: "60 4.8% 95.9%",
    "muted-foreground": "25 5.3% 44.7%",
    accent: "60 4.8% 95.9%",
     "accent-foreground": "24 9.8% 10%",
    destructive: "0 84.2% 60.2%",
    "destructive-foreground": "60 9.1% 97.8%",
    border: "20 5.9% 90%",
    input: "20 5.9% 90%",
ring: "20 14.3% 4.1%",
    radius: "0.75rem",
    "chart-1": "12 76% 61%",
    "chart-2": "173 58% 39%",
    "chart-3": "197 37% 24%",
    "chart-4": "43 74% 66%",
    "chart-5": "27 87% 67%",
  dark: {
    background: "20 14.3% 4.1%",
    foreground: "60 9.1% 97.8%",
    card: "20 14.3% 4.1%",
    "card-foreground": "60 9.1% 97.8%",
    popover: "20 14.3% 4.1%",
    "popover-foreground": "60 9.1% 97.8%".
    primary: "47.9 95.8% 53.1%",
    "primary-foreground": "26 83.3% 14.1%",
    secondary: "12 6.5% 15.1%",
    "secondary-foreground": "60 9.1% 97.8%",
    muted: "12 6.5% 15.1%",
"muted-foreground": "24 5.4% 63.9%",
    accent: "12 6.5% 15.1%",
    "accent-foreground": "60 9.1% 97.8%",
    destructive: "0 62.8% 30.6%",
    "destructive-foreground": "60 9.1% 97.8%",
    border: "12 6.5% 15.1%",
    input: "12 6.5% 15.1%",
    ring: "35.5 91.7% 32.9%",
    "chart-1": "220 70% 50%",
    "chart-2": "160 60% 45%",
    "chart-3": "30 80% 55%",
    "chart-4": "280 65% 60%",
    "chart-5": "340 75% 55%",
  },
},
```

};

# /Users/abdulazizdot/Desktop/customer-suppaget-lagefnti/lib/utils.ts

```
import { type ClassValue, clsx } from "clsx";
import { twMerge } from "tailwind-merge";

export function cn(...inputs: ClassValue[]) {
   return twMerge(clsx(inputs));
}
```

# /Users/abdulazizdot/Desktop/customer-suppaget-lagent/config.ts

```
type Config = {
  includeLeftSidebar: boolean;
  includeRightSidebar: boolean;
};

const config: Config = {
  includeLeftSidebar: process.env.NEXT_PUBLIC_INCLUDE_LEFT_SIDEBAR === "true",
  includeRightSidebar: process.env.NEXT_PUBLIC_INCLUDE_RIGHT_SIDEBAR === "true",
};

export default config;
```