/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'
} as const;
 // Updated with correct symbols and standardized format
export const SAUDI_SYMBOLS = [
        // Banks & Financial Services
                                         symbol: '2222:TADAWUL',
                                         tickerSymbol: '2222',
                                        name: 'Saudi Aramco',
                                        name_ar: 'أرا\dot{v}205\dot{v}203\dot{v}210 ا\dot{v}204\dot{v}3\dot{v}100\dot{v}212\dot{v}6, sector: 'Energy',
                                         website: 'www.saudiaramco.com'
                         },
                                         symbol: '2381:TADAWUL',
                                         tickerSymbol: '2381',
                                         name: 'Arabian Drilling'
                                         name_ar: /\emptyset/\emptyset \pm \hat{U} \times 2030\% /0.04\% \pm 0.04\% \pm 0.04
                                         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"ØaرÙ\210رØSØ"ذ',
                                         sector: 'Energy',
                                         website: 'www.petrorabigh.com'
                         },
                                         symbol: '4030:TADAWUL',
                                         tickerSymbol: '4030',
                                         name: 'Bahri',
                                        name_ar: 'Ø$\u00fc\\204\u00da\u00fc\u00fc\u00da\u00fc\u00da\u00fc\u00fc\u00fc\u00da\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\u00fc\
                                         sector: 'Transportation',
                                        website: 'www.bahri.sa'
                                         symbol: '4200:TADAWUL',
                                         tickerSymbol: '4200',
                                        name: 'Aldrees',
                                        name_ar: '\emptyset\S\dot{U}\204\emptyset^-\emptyset\pm\dot{U}\212\emptyset^3',
                                         sector: 'Energy',
                                        website: 'www.aldrees.com'
                         },
                                         symbol: '2030:TADAWUL',
                                         tickerSymbol: '2030',
                                        name: 'SARCO',
                                        name_ar: 'سØ$رÙ\203Ù\210', sector: 'Materials',
```

```
website: 'www.sarco.com.sa'
},
{
          symbol: '1202:TADAWUL',
          tickerSymbol: '1202',
          name: 'MEPCO',
          name_ar: '\u00fg"\u00fg\203\u00fg\210',
          sector: 'Materials',
          website: 'www.mepco.biz'
          symbol: '3007: TADAWUL',
          tickerSymbol: '3007',
          name: 'Oasis',
          name_ar: 'ù\210ø§ø-ø©',
          sector: 'Materials',
          website: 'www.oasis.com.sa'
},
          symbol: '1201:TADAWUL',
          tickerSymbol: '1201',
          name: 'Takween',
          name_ar: / \emptyset^2 \dot{U} \ 203 \dot{U} \ 210 \dot{U} \ 212 \dot{U} \ 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$\u00fc\204\u00e4\u00dc\212\u00ff±\u00fc\212',
          sector: 'Materials',
          website: 'www.alkathiri.com'
},
          symbol: '2001:TADAWUL',
          tickerSymbol: '2001',
          name: 'Chemanol',
         name_ar: '\ddot{\upsilon}\203\dot{\upsilon}\212\dot{\upsilon}\205\phi \dot{\varsigma}\dot{\upsilon}\206\dot{\upsilon}\210\dot{\upsilon}\204', sector: 'Materials',
          website: 'www.chemanol.com'
},
          symbol: '2010: TADAWUL',
          tickerSymbol: '2010',
          name: 'SABIC',
          name_ar: 'Ø3Ø$Ø"Ù\203',
          sector: 'Materials',
          website: 'www.sabic.com'
},
          symbol: '2020: TADAWUL',
          tickerSymbol: '2020',
          name: 'SABIC Agri-Nutrients',
          name\_ar: \ '\emptyset^3 \emptyset \$ \emptyset "\grave{v} \ 203 \ \grave{v} \ 204 \grave{v} \ 205 \emptyset^\circ \emptyset^\circ \grave{v} \ 212 \emptyset \$ \emptyset^a \ \emptyset \$ \grave{v} \ 1204 \emptyset \$ \emptyset^1 \grave{v} \ 212 \emptyset \$ 0' ,
          sector: 'Materials',
          website: 'www.sabic-agri.com'
},
          symbol: '2060: TADAWUL',
          tickerSymbol: '2060',
          name: 'Tasnee',
          name_ar: 'زØμῢ\206ῢ\212ع',
          sector: 'Materials',
          website: 'www.tasnee.com'
},
          symbol: '2170:TADAWUL',
          tickerSymbol: '2170',
          name: 'Alujain',
          name_ar: 'Ø$\dangle \dangle \d
          sector: 'Materials',
          website: 'www.alujain.com'
          symbol: '2210:TADAWUL',
          tickerSymbol: '2210',
          name: 'Nama Chemicals',
```

/Users/abdulazizdot/Desktop/customer-supproct3-agen25/app/config/market.ts

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\label{eq:name_ar: '\dagger' 2050} $$ name_ar: '\dagger' 2050 $$ i \204\dagger' 204\dagger' 203\dagger' 2050 $$ i \204\dagger' 204\dagger' 2050 $$ i \204\dagger' 2050 $$ i \204\da
         sector: 'Materials',
         website: 'www.nama.com.sa'
},
         symbol: '2250:TADAWUL',
         tickerSymbol: '2250',
         name: 'SIIG'
         name\_ar: \ 'Ø\$\dot{v}\ 204\dot{v}\ 205\dot{v}\ 2100^{1}00 \ \emptyset\$\dot{v}\ 2040^{3}0^{1}\dot{v}\ 2100^{-}\dot{v}\ 21200^{0},
         sector: 'Materials',
         website: 'www.siig.com.sa'
},
         symbol: '2290:TADAWUL',
         tickerSymbol: '2290',
         name: 'Yansab',
         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: 'ا\dot{\mathbf{v}}\204\dot{\mathbf{v}}\205\mathbf{g}^{a}\dot{\mathbf{v}}\202\mathbf{g}^{-}\dot{\mathbf{v}}\205\mathbf{g}©',
         sector: 'Materials',
         website: 'www.advancedpetrochem.com'
},
         symbol: '2350:TADAWUL',
         tickerSymbol: '2350',
         name: 'Saudi Kayan',
         name_ar: \dot{\dot{U}}\203\dot{\dot{U}}\212\phi$\dot{\dot{U}}\206 \phi$\dot{\dot{U}}\204\phi3\phi1\dot{\dot{U}}\210\phi-\dot{\dot{U}}\212\phi$\phi0',
         sector: 'Materials',
         website: 'www.saudikayan.com'
},
         symbol: '2223:TADAWUL',
         tickerSymbol: '2223',
         name: 'Luberef',
         name_ar: '\u00fc\204\u00fc\210\u00fg"\u00dft\212\u00fc\201',
         sector: 'Energy',
         website: 'www.luberef.com'
},
         symbol: '1301:TADAWUL',
         tickerSymbol: '1301',
         name: 'Aslak',
         name_ar: /\emptyset \pm \emptyset^3 \dot{U} \setminus 204 \emptyset S \dot{U} \setminus 203',
         sector: 'Materials',
         website: 'www.aslak.com.sa'
},
         symbol: '1320:TADAWUL',
         tickerSymbol: '1320',
         name: 'SSP',
         name_ar: 'Ø3Ø"Ù\203Ù\212Ù\205',
         sector: 'Materials',
         website: 'www.ssp.com.sa'
},
         symbol: '2090: TADAWUL',
         tickerSymbol: '2090',
         name: 'NGC',
         name_ar: 'ذØ$Ø2',
         sector: 'Materials',
         website: 'www.ngc.com.sa'
},
         symbol: '2200:TADAWUL',
         tickerSymbol: '2200',
         name: 'APC'.
         sector: 'Materials',
         website: 'www.apc.com.sa'
},
         symbol: '2240:TADAWUL',
```

```
tickerSymbol: '2240',
              name: 'Zamil Industrial'
             name_ar: 'Ø$\darkarray \darkarray \darkarray
              sector: 'Materials',
              website: 'www.zamilindustrial.com'
},
              symbol: '2360:TADAWUL',
              tickerSymbol: '2360',
              name: 'SVCP',
             sector: 'Materials',
             website: 'www.svcp.com.sa'
},
              symbol: '1304:TADAWUL',
              tickerSymbol: '1304',
             name: 'Alyamamah Steel',
              name_ar: /Ø\S\dot{U}\204\dot{U}\212\dot{U}\205Ø\S\dot{U}\205Ø@\dot{U}\204\dot{U}\204Ø-Ø^-\dot{U}\212Ø^-/,
              sector: 'Materials',
             website: 'www.alyamamahsteel.com'
},
              symbol: '1321:TADAWUL',
              tickerSymbol: '1321',
             name: 'East Pipes',
              name_ar: 'Ø£Ù\206Ø$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: '\u00c4\u00d7\u00e4\u00d8\u00fa\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u
              sector: 'Materials',
              website: 'www.maaden.com.sa'
},
              symbol: '2150:TADAWUL',
              tickerSymbol: '2150',
             name: 'Zoujaj',
name_ar: 'ØSÜ\204زجØSج',
              sector: 'Materials',
             website: 'www.zoujaj.com'
},
              symbol: '2180:TADAWUL',
              tickerSymbol: '2180',
              name: 'FIPCO',
             name_ar: '\u00fc\201\u00fc\212\u00d8"\u00fc\203\u00fc\210',
              sector: 'Materials',
             website: 'www.fipco.com.sa'
              symbol: '2220:TADAWUL',
              tickerSymbol: '2220',
             name: 'Maadaniyah',
             name_ar: '\dot{U}\2050^{\circ}0^{\circ}0^{\circ}
              sector: 'Materials',
              website: 'www.maadaniyah.com'
},
              symbol: '2300:TADAWUL',
              tickerSymbol: '2300',
             name: 'SPM',
              name_ar: 'Ø$\doldow\204\030"\doldow\203',
              sector: 'Materials',
              website: 'www.spm.com.sa'
},
              symbol: '3002:TADAWUL',
              tickerSymbol: '3002',
              name: 'Najran Cement'
              name_ar: /\emptyset \pm \emptyset^3 \dot{U} \ 205 \dot{U} \ 206 \emptyset^a \dot{U} \ 206 \emptyset \neg \emptyset \pm \emptyset \ \dot{U} \ 206 \emptyset \neg \emptyset 
              sector: 'Materials',
              website: 'www.najrancement.com'
},
```

```
{
     symbol: '3003:TADAWUL',
     tickerSymbol: '3003',
     name: 'City Cement'
     name_ar: 'Ø£Ø3Ù\205Ù\206ت ØŞÛ\204Ù\205دÙ\212Ù\206Ø@',
     sector: 'Materials',
     website: 'www.citycement.com.sa'
},
     symbol: '3004:TADAWUL',
     tickerSymbol: '3004',
     name: 'Northern Cement'
     name\_ar: \ '\emptyset \pm \emptyset^3 \grave{U} \setminus 205 \grave{U} \setminus 206 \emptyset^a \ \emptyset \\ S \grave{U} \setminus 204 \emptyset \acute{U} \setminus 205 \emptyset \\ S \grave{U} \setminus 204 \grave{U} \setminus 212 \emptyset \\ O',
     sector: 'Materials',
     website: 'www.northerncement.com'
},
     symbol: '3010:TADAWUL',
     tickerSymbol: '3010',
     name: 'ACC'
    name_ar: 'Ø£Ø3Ù\205Ù\206ت اÙ\204عرØ"Ù\212Ø@',
     sector: 'Materials',
     website: 'www.arabiacement.com.sa'
},
     symbol: '3020:TADAWUL',
     tickerSymbol: '3020',
     name: 'YC',
     name_ar: /\emptyset \pm \emptyset^3 \dot{U} \ 205 \dot{U} \ 206 \emptyset^a \dot{U} \ 212 \dot{U} \ 206 \emptyset^a \dot{U}
     sector: 'Materials',
     website: 'www.yanbu-cement.com'
},
     symbol: '3030: TADAWUL',
     tickerSymbol: '3030',
     name: 'Saudi Cement',
     name_ar: 'Ø£Ø3Ù\205Ù\206ت Ø$Ù\204Ø3Ø1Ù\210Ø~Ù\212Ø@'.
     sector: 'Materials',
     website: 'www.saudicement.com.sa'
},
     symbol: '3040:TADAWUL',
     tickerSymbol: '3040',
     name: 'QACCO',
     sector: 'Materials',
     website: 'www.qcc.com.sa'
     symbol: '3050:TADAWUL',
     tickerSymbol: '3050',
     name: 'SPCC',
     name_ar: 'Ø£Ø3Ù\205Ù\206ت ØŞÙ\204جÙ\206Ù\210Ø"',
     sector: 'Materials',
     website: 'www.spcc.com.sa'
},
     symbol: '3060: TADAWUL',
     tickerSymbol: '3060',
     name: 'YCC',
     sector: 'Materials',
     website: 'www.yanbu-cement.com'
},
     symbol: '3080:TADAWUL',
     tickerSymbol: '3080',
     name: 'EPCCO'
     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.epcco.com.sa'
     symbol: '3090:TADAWUL',
     tickerSymbol: '3090',
     name: 'TCC',
     name_ar: '\emptyset \pounds \emptyset^3 \mathring{U} \setminus 205 \mathring{U} \setminus 206 \emptyset^a \emptyset^a \emptyset^" \mathring{U} \setminus 210 \mathring{U} \setminus 203',
     sector: 'Materials',
     website: 'www.tcc.sa'
},
     symbol: '3091:TADAWUL',
     tickerSymbol: '3091',
     name: 'Jouf Cement',
     name_ar: \%£\emptyset^3\dot{v}\205\dot{v}\206\emptyset^a ا\dot{v}\204\emptyset^-\dot{v}\210\dot{v}\201', sector: 'Materials',
```

```
website: 'www.joufcement.com'
},
         symbol: '3005: TADAWUL',
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         name: 'UACC',
         name_ar: 'Ø£Ø3Ù\205Ù\206ت Ø$Ù\204Ù\205تØ-دØ©',
         sector: 'Materials',
         website: 'www.uacc.com.sa'
         symbol: '3092:TADAWUL',
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         name: 'Riyadh Cement'
         name_ar: \slashed{general} \slashed{value} \slashed{value} \slashed{value} name_ar: \slashed{value} \slashed
         sector: 'Materials',
         website: 'www.riyadhcement.com.sa'
},
         symbol: '4142:TADAWUL',
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         name: 'Riyadh Cables',
         name\_ar: \ \bar{\ '} \varnothing \S \dot{U} \backslash 204 \dot{U} \backslash 203 \varnothing \S \varnothing \bar{\ '} \dot{U} \backslash 204 \varnothing \S \varnothing^a \ \varnothing \S \dot{U} \backslash 204 \varnothing^3 \varnothing^1 \dot{U} \backslash 210 \varnothing^- \dot{U} \backslash 212 \varnothing \varnothing',
         sector: 'Capital Goods',
         website: 'www.riyadh-cables.com'
},
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        name_ar: 'Ø£Ù\205Ù\212اÙ\206تÙ\212ت',
         sector: 'Capital Goods',
         website: 'www.amiantit.com'
},
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         name_ar: 'Ø3Ù\212Ø3Ù\203Ù\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\210اÙ\206',
         sector: 'Capital Goods',
         website: 'www.bawan.com.sa'
},
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         tickerSymbol: '2370',
         name: 'MESC',
         name_ar: 'ù\205ø3ù\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',
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         name: 'Shaker',
         name_ar: 'Ø'اÙ\203ر',
         sector: 'Capital Goods',
         website: 'www.shaker.com.sa'
         symbol: '2320:TADAWUL',
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         name: 'Albabtain',
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sector: 'Capital Goods',
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},
     symbol: '2110:TADAWUL',
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     name\_ar: \ '\emptyset\S\grave{U}\backslash204\grave{U}\backslash203\emptyset\S\emptyset"\grave{U}\backslash204\emptyset\S\emptyset^a\ \emptyset\S\grave{U}\backslash204\emptyset^3\emptyset^1\grave{U}\backslash210\emptyset"\grave{U}\backslash212\emptyset0',
     sector: 'Capital Goods',
     website: 'www.saudicable.com'
},
     symbol: '2040:TADAWUL',
     tickerSymbol: '2040',
    name: 'Saudi Ceramics'
     name_ar: 'ØSÜ\204Ø®Ø2Ü\201 ØSÜ\204Ø3Ø1Ü\210Ø~Ü\212',
     sector: 'Capital Goods',
    website: 'www.saudiceramics.com'
},
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     name: 'BATIC',
     name_ar: 'Ø"Ø$تÙ\203',
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     symbol: '4141:TADAWUL',
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    name_ar: '\emptysetS\dot{U}\204\emptyset1\dot{U}\205\emptyset±\emptysetS\dot{U}\206',
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     website: 'www.alomran.com.sa'
},
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    name_ar: 'تاÙ\204Ù\203Ù\210',
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    website: 'www.talco.com.sa'
},
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     tickerSymbol: '4270',
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    name_ar: '\emptyset$\dot{\mathbf{v}}\204\dot{\mathbf{v}}\205\emptyset•\emptyset"\emptyset1\emptyset©',
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    website: 'www.sppc.com.sa'
     symbol: '1831:TADAWUL',
     tickerSymbol: '1831',
    name: 'Maharah',
    name_ar: \dot{\mathbf{v}}\205\dot{\mathbf{v}}\207\emptyset\$\emptyset\pm\emptyset©',
     sector: 'Commercial & Professional Services',
     website: 'www.maharah.com.sa'
},
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     name_ar: '\u00fc\203\square\u00e4\u00fc\212\u00fc\210\u00fc\206',
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     website: 'www.catrion.com.sa'
},
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    name: 'Almawarid',
     name_ar: 'Ø$\u00fc\204\u00e4\u0020\210\u00fc\210\u00fc\210\u00fc\u00e4\u00fc\-',
     sector: 'Commercial & Professional Services',
     website: 'www.almawarid.com.sa'
},
     symbol: '1832:TADAWUL',
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     name: 'Sadr',
    name_ar: 'Øμدر',
     sector: 'Commercial & Professional Services',
     website: 'www.sadr.com.sa'
},
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tickerSymbol: '1834',
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         website: 'www.smasco.com.sa'
},
         symbol: '4040:TADAWUL',
         tickerSymbol: '4040',
         name: 'SAPTCO',
         name_ar: 'Ø3Ø$Ø"تÙ\203Ù\210',
         sector: 'Transportation',
         website: 'www.saptco.com.sa
},
         symbol: '4260:TADAWUL',
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         name: 'Budget Saudi',
         name_ar: '\emptyset"\emptyset^-\emptyset^-\emptyset^a \emptyset\S\mathring{U}\setminus 204\emptyset^3\emptyset^1\mathring{U}\setminus 210\emptyset^-\mathring{U}\setminus 212\emptyset0',
         sector: 'Transportation',
         website: 'www.budgetsaudi.com'
},
         symbol: '4031:TADAWUL',
         tickerSymbol: '4031',
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         name_ar: \%$\dot{U}\204\%8\phi\ddot{U}\205\%5\phi^a \%$\dot{U}\204\%5\psi^a\dot{U}\212\phi0^o,
         sector: 'Transportation',
         website: 'www.sgs.com.sa
},
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         name_ar: 'ذÙ\212Ø"',
         sector: 'Transportation',
         website: 'www.theeb.com.sa'
         symbol: '4262:TADAWUL',
         tickerSymbol: '4262',
         name: 'Lumi',
         name_ar: '\u00fc\204\u00fc\210\u00fc\212',
         sector: 'Transportation',
         website: 'www.lumi.com.sa'
},
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         name_ar: 'Ø3اÙ\204',
         sector: 'Transportation',
         website: 'www.sal.com.sa'
},
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         name_ar: 'Ø3Ù\212Ø3Û\203Ù\210',
         sector: 'Transportation',
         website: 'www.sisco.com.sa'
         symbol: '4180:TADAWUL',
         tickerSymbol: '4180',
         name: 'Fitaihi Group'
         sector: 'Consumer Durables & Apparel',
         website: 'www.fitaihi.com.sa'
},
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         name: 'Alaseel',
         name_ar: 'Ø$\dangle \dangle \d
         sector: 'Consumer Durables & Apparel',
         website: 'www.alaseel.com.sa'
},
         symbol: '4011:TADAWUL',
         tickerSymbol: '4011',
         name: 'Lazurde',
         name_ar: '\u00fc\204\sqrta\go^2\u00fc\210\sqrta+\sqrta^-\u00fc\212',
         sector: 'Consumer Durables & Apparel',
         website: 'www.lazurde.com'
},
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{
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sector: 'Consumer Durables & Apparel',
              website: 'www.sidc.com.sa'
              symbol: '1213:TADAWUL',
             tickerSymbol: '1213',
             name: 'Naseej',
             name_ar: '\dot{U}\2060^3\dot{U}\2120^{-1},
              sector: 'Consumer Durables & Apparel',
              website: 'www.naseej.com.sa'
},
             symbol: '2340:TADAWUL',
              tickerSymbol: '2340',
              name: 'Artex',
             name_ar: 'أرØaÙ\203Ø3',
              sector: 'Consumer Durables & Apparel',
             website: 'www.artex.com.sa'
},
              symbol: '1810:TADAWUL',
              tickerSymbol: '1810',
             name: 'Seera',
              name_ar: '\emptyset^3\dot{U}\212\emptyset\pm\emptyset\S',
              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'
},
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              tickerSymbol: '1820',
              name: 'Alhokair Group'
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              sector: 'Consumer Services',
              website: 'www.alhokair.com.sa'
              symbol: '6002:TADAWUL',
             tickerSymbol: '6002',
             name: 'Herfy Foods',
              name\_ar: \ '\dot{U}\ 207 \not o \pm \dot{U}\ 201 \dot{U}\ 212 \ \dot{U}\ 204 \dot{U}\ 204 \not o \pm \not o \circ \dot{U}\ 212 \not o \circ o \circ \dot{
              sector: 'Consumer Services',
              website: 'www.herfy.com'
},
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              tickerSymbol: '6016',
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             name_ar: '\bar{\emptyset}''Ø\pmØ\circØ\pmØ\$\dot{U}\212Ø^2Ø^2Ø\pm',
              sector: 'Consumer Services',
             website: 'www.burgerizzr.com'
},
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              tickerSymbol: '6013',
              name: 'DWF'
             name_ar: 'دÙ\210Ù\201',
              sector: 'Consumer Services',
             website: 'www.dwf.com.sa'
              symbol: '6015:TADAWUL',
              tickerSymbol: '6015',
             name: 'Americana',
              name\_ar: ~ ^\prime \varnothing \pounds \grave{U} \backslash 205 \varnothing \pm \grave{U} \backslash 212 \grave{U} \backslash 203 \varnothing \S \grave{U} \backslash 206 \varnothing \S ^\prime \text{ ,}
              sector: 'Consumer Services',
              website: 'www.americana.com.sa'
},
              symbol: '1830:TADAWUL',
              tickerSymbol: '1830',
              name: 'Leejam Sports',
              name_ar: \dot{\hat{\mathbf{v}}}204\dot{\mathbf{v}}7\dot{\mathbf{v}}8\dot{\mathbf{v}}205 \dot{\mathbf{v}}204\dot{\mathbf{v}}204\dot{\mathbf{v}}212\dot{\mathbf{v}}8\dot{\mathbf{v}}9\dot{\mathbf{v}}9\dot{\mathbf{v}}7,
              sector: 'Consumer Services',
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website: 'www.leejam.com.sa'
},
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         name_ar: '\u00fc\206\u00fc\203\u00fc\204\u00fc\212',
          sector: 'Consumer Services',
         website: 'www.ncle.com.sa'
          symbol: '4292:TADAWUL',
          tickerSymbol: '4292',
         name: 'ATAA',
         name_ar: 'عØ•Ø$Ø¡',
sector: 'Consumer Services',
         website: 'www.ataa.com.sa'
},
          symbol: '6012:TADAWUL',
         tickerSymbol: '6012',
         name: 'Raydan',
         name_ar: ^{\prime}را\dot{\mathbf{v}}\212\dot{\mathbf{g}}^ا\dot{\mathbf{v}}\206^{\prime},
          sector: 'Consumer Services',
          website: 'www.raydan.com.sa
},
          symbol: '6014:TADAWUL',
         tickerSymbol: '6014',
          name: 'Alamar',
         name_ar: 'اÙ\204Ù\205ر',
          sector: 'Consumer Services',
         website: 'www.alamar.com.sa'
},
          symbol: '4290:TADAWUL',
          tickerSymbol: '4290',
         name: 'Alkhaleej Trng'
          name_ar: 'Ø$\tilde{\pi}\204\tilde{\pi}\204\tilde{\pi}\212\tilde{\pi} \tilde{\pi}\204\tilde{\pi}\212\tilde{\pi}',
          sector: 'Consumer Services',
         website: 'www.alkhaleej.com.sa'
},
          symbol: '4070: TADAWUL',
          tickerSymbol: '4070',
         name: 'TAPRCO',
         name_ar: 'Ø•Ø$Ø"Ù\203Ù\210',
sector: 'Media and Entertainment',
          website: 'www.taprco.com.sa'
},
          symbol: '4210:TADAWUL',
          tickerSymbol: '4210',
         name: 'SRMG'.
          name_ar: /Ø\S\dot{U}\204\dot{U}\205\phi-\dot{U}\205\dot{U}\210\phi^{1}\phi^{0} Ø\S\dot{U}\204\phi^{3}\phi^{1}\dot{U}\210\phi^{-}\dot{U}\212\phi^{0},
          sector: 'Media and Entertainment',
          website: 'www.srmg.com'
},
          symbol: '4071:TADAWUL',
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          name_ar: \%$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}
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          website: 'www.alarabiya.com.sa'
},
          symbol: '4072:TADAWUL',
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          name: 'MBC Group',
         name_ar: \dot{\dot{v}}\205\dot{\phi}-\dot{\dot{v}}\205\dot{\dot{v}}\210\dot{\phi}1\dot{\phi}0\dot{\phi}8\dot{\phi}1\dot{\phi}1212 \dot{\phi}3\dot{\dot{v}}\212',
          sector: 'Media and Entertainment',
          website: 'www.mbc.net'
},
          symbol: '4240:TADAWUL',
          tickerSymbol: '4240',
          name: 'Cenomi Retail'
         sector: 'Consumer Discretionary Distribution & Retail',
         website: 'www.cenomi.com'
          symbol: '4190:TADAWUL',
          tickerSymbol: '4190',
          name: 'Jarir',
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name_ar: 'جرù\212ر',
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},
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         tickerSymbol: '4003',
         name: 'Extra'
          name_ar: 'Ø¥Ù\203Ø3Øaرا',
          sector: 'Consumer Discretionary Distribution & Retail',
          website: 'www.extra.com.sa'
},
          symbol: '4050:TADAWUL',
          tickerSymbol: '4050',
         name: 'SASCO',
         name_ar: 'Ø3Ø$Ø3Ù\203Ù\210',
          sector: 'Consumer Discretionary Distribution & Retail',
          website: 'www.sasco.com.sa'
},
          symbol: '4192:TADAWUL',
          tickerSymbol: '4192',
          name: 'Alsaif Gallery'
          name_ar: \dot{v}\2050^{1}0\pm09 0$\dot{v}\2040^{3}\dot{v}\212\dot{v}\201',
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          website: 'www.alsaifgallery.com'
          symbol: '4051:TADAWUL',
         tickerSymbol: '4051',
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         name_ar: 'Ø"ازÙ\212Ù\205',
          sector: 'Consumer Discretionary Distribution & Retail',
          website: 'www.baazeem.com.sa'
},
          symbol: '4191:TADAWUL',
          tickerSymbol: '4191',
          name: 'Abo Moati',
         name_ar: 'Ø£Ø"Ù\210 Ù\205عØ•Ù\212',
          sector: 'Consumer Discretionary Distribution & Retail',
         website: 'www.abomoati.com.sa'
},
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          tickerSymbol: '4008',
          name: 'SACO',
          name_ar: 'Ø3اÙ\203Ù\210',
          sector: 'Consumer Discretionary Distribution & Retail',
         website: 'www.saco.com.sa'
          symbol: '4001:TADAWUL',
          tickerSymbol: '4001',
         name: 'A.Othaim Market',
          \label{eq:name_ar: parame} \texttt{name\_ar: '$ $^3$ $\dot{v}$ $^2$ $^3$ $\dot{v}$ $\dot
          sector: 'Consumer Staples Distribution & Retail',
          website: 'www.othaimmarkets.com'
          symbol: '4161:TADAWUL',
          tickerSymbol: '4161',
         name: 'Bindawood',
          name_ar: 'Ø"Ù\2060 Ø©',
          sector: 'Consumer Staples Distribution & Retail',
          website: 'www.bindawood.com'
},
          symbol: '4162:TADAWUL',
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          name_ar: 'Ø$\u00fc\204\u00e4\205\u00fc\206\u00fg\\205',
          sector: 'Consumer Staples Distribution & Retail',
          website: 'www.almunajem.com'
},
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          tickerSymbol: '4164',
          name: 'Nahdi'
         name_ar: 'ØSÙ\204Ù\206Ù\207دÙ\212',
          sector: 'Consumer Staples Distribution & Retail',
          website: 'www.nahdi.sa'
},
          symbol: '4163:TADAWUL',
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tickerSymbol: '4163',
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           name_ar: 'Ø$\u00fc\u00e4204\u00fg\u00e4\u00e4\u00e4210\u00fg\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4
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            website: 'www.aldawaa.com.sa'
},
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           name_ar: 'Ø«Ù\205ار',
            sector: 'Consumer Staples Distribution & Retail',
           website: 'www.thimar.com.sa'
},
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            name_ar: /\emptyset \pm \emptyset^3 \dot{U} = 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.0
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            name_ar: 'Ø£Ù\206عØSÙ\205',
            sector: 'Consumer Staples Distribution & Retail',
            website: 'www.anaam.com.sa'
},
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            sector: 'Food & Beverages',
            website: 'www.hb.com.sa'
            symbol: '2282:TADAWUL',
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           name: 'Naqi',
           name_ar: 'Ù\206Ù\202Ù\212',
            sector: 'Food & Beverages',
            website: 'www.naqi.com.sa'
},
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            name: 'First Mills',
           name_ar: 'ØŞÜ\204Ü\205Ø•ØSØ-Ü\206 ØSÜ\204Ø£Ü\210Ù\204Ü\211',
            sector: 'Food & Beverages',
           website: 'www.firstmills.com.sa'
},
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            tickerSymbol: '2284',
            name: 'Modern Mills',
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           website: 'www.modernmills.com.sa'
            symbol: '2285:TADAWUL',
            tickerSymbol: '2285',
           name: 'Arabian 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 ^1 \varnothing \pm \varnothing ^" \grave{u} \backslash 212 \varnothing \circlearrowleft' \text{,}
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            website: 'www.arabianmills.com.sa'
},
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           name: 'Fourth Milling',
            sector: 'Food & Beverages',
            website: 'www.fourthmilling.com.sa'
},
            symbol: '6010: TADAWUL',
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            name: 'NADEC',
            name_ar: '\u00fc\u00e4203',
            sector: 'Food & Beverages',
            website: 'www.nadec.com.sa'
},
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{
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           name_ar: 'Ø\neg\dot{U}\203\dot{U}\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',
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           name: 'SFICO',
           name_ar: 'صÜ\201Ü\203Ü\210',
           sector: 'Food & Beverages',
           website: 'www.sfico.com.sa
},
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           name: 'Sharqiyah Dev'
           sector: 'Food & Beverages',
           website: 'www.sharqiyahdev.com.sa'
},
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           name: 'Aljouf',
           name_ar: 'Ø$\tilde{\pi}\204\tilde{\pi}\210\tilde{\pi}\201', sector: 'Food & Beverages',
           website: 'www.aljouf.com.sa'
},
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           name_ar: 'جØ$زØ$جÙ\203Ù\210',
           sector: 'Food & Beverages',
           website: 'www.jazadco.com'
           symbol: '2281:TADAWUL',
           tickerSymbol: '2281',
           name: 'Tanmiah',
           name_ar: 'تÙ\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}100 \dot{\phi}100 
           sector: 'Food & Beverages',
           website: 'www.savola.com'
},
           symbol: '2100:TADAWUL',
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           name: 'Wafrah',
           name_ar: 'ù\210ù\201ø±ø@',
           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'
},
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           name_ar: 'اÜ\204Ü\205راعÜ\212', sector: 'Food & Beverages',
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website: 'www.almarai.com'
},
{
                 symbol: '4080:TADAWUL',
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                name: 'Sinad Holding',
                sector: 'Food & Beverages'
                website: 'www.sinad.com.sa'
                 symbol: '4014:TADAWUL',
                 tickerSymbol: '4014',
                 name: 'Equipment House'
                 name_ar: /\emptyset"\dot{v}\212\phi^a /\phi$\dot{v}\205\phi^1\phi^-\phi$\phi^a/
                sector: 'Health Care Equipment & Services',
                 website: 'www.equipmenthouse.com.sa'
},
                 symbol: '4017: TADAWUL',
                tickerSymbol: '4017',
                name: 'Fakeeh Care'
                name_ar: \dot{\dot{v}}201\dot{\dot{v}}202\dot{\dot{v}}212\dot{\dot{v}}207\dot{\dot{v}}203\dot{\dot{v}}212\dot{\dot{v}},
                 sector: 'Health Care Equipment & Services',
                 website: 'www.fakeeh.care
},
                 symbol: '2140:TADAWUL',
                tickerSymbol: '2140',
                 name: 'Ayyan',
                name_ar: 'عÜ\212اÜ\206',
                 sector: 'Health Care Equipment & Services',
                website: 'www.ayyan.com.sa'
},
                 symbol: '4013:TADAWUL',
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                name: 'Sulaiman Alhabib',
                 name_ar: /Ø^3\dot{U}\204\dot{U}\212\dot{U}\205Ø\dot{S}\dot{U}\206 Ø\dot{S}\dot{U}\204Ø-Ø"\dot{U}\212Ø"',
                 sector: 'Health Care Equipment & Services',
                website: 'www.hmg.com.sa
},
                 symbol: '4005:TADAWUL',
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                name: 'Care',
                name_ar: 'رعØŞῢ\212Ø©',
sector: 'Health Care Equipment & Services',
                 website: 'www.care.com.sa'
},
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                 sector: 'Health Care Equipment & Services',
                 website: 'www.mouwasat.com'
},
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                name: 'Dallah Health'
                 name_ar: '\emptyset-\dot{U}\204\dot{U}\207 \emptyset$\dot{U}\204\dot{W}µ\emptyset-\dot{U}\212\dot{Q}©',
                 sector: 'Health Care Equipment & Services',
                 website: 'www.dallah.com.sa'
},
                 symbol: '4007: TADAWUL',
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                 name: 'Alhammadi'.
                name_ar: 'Ø$\dangle \dangle \d
                 sector: 'Health Care Equipment & Services',
                 website: 'www.alhammadi.com.sa'
},
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                 name: 'Saudi German Health',
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                 sector: 'Health Care Equipment & Services',
                website: 'www.sgh.com.sa
                 symbol: '2230:TADAWUL',
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                 name: 'Chemical',
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/Users/abdulazizdot/Desktop/customer-supargerti-5agefn26app/config/market.ts

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 },
                           symbol: '2070: TADAWUL',
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                          name_ar: 'Ø3Ø"Ù\212Ù\205اÙ\203Ù\210',
                           sector: 'Pharma, Biotech & Life Sciences',
                          website: 'www.spimaco.com.sa'
},
                           symbol: '4015:TADAWUL',
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                          name: 'Jamjoom Pharma'
                          name_ar: \langle \phi \neg \dot{\upsilon} \rangle 205 \phi \neg \dot{\upsilon} \rangle 210 \dot{\upsilon} \rangle 205 \phi \dot{\upsilon} \rangle 201 \phi \phi \dot{\upsilon} \rangle 205 \phi \dot{\upsilon} \rangle
                           sector: 'Pharma, Biotech & Life Sciences',
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                           tickerSymbol: '4016',
                           name: 'Avalon Pharma'
                           name_ar: \% \pm \hat{v} = 0.00 name_ar: \% \pm \hat{v} =
                           sector: 'Pharma, Biotech & Life Sciences',
                          website: 'www.avalonpharma.com'
                           symbol: '1010:TADAWUL',
                          tickerSymbol: '1010',
                          name: 'Riyad Bank'
                          name_ar: \prescript{g"\dot{\psi}\206\dot{\psi}\203\ \prescript{g$\dot{\psi}\204\prescript{g$\pm\dot{\psi}\212\prescript{g}$g$\P'},}
                           sector: 'Banks',
                           website: 'www.riyadbank.com'
 },
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                          name: 'BJAZ',
                          name_ar: 'Ø"Ù\206Ù\203 ØSÙ\204جØ2Ù\212رØ©',
                           sector: 'Banks',
                          website: 'www.bjaz.com.sa'
 },
                           symbol: '1030:TADAWUL',
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                           sector: 'Banks',
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                           symbol: '1050:TADAWUL',
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                          sector: 'Banks',
                           website: 'www.bsf.com.sa'
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                           website: 'www.sabb.com'
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                          tickerSymbol: '1080',
                          name: 'ANB',
                           name\_ar: ' \emptyset \$ \mathring{v} \ 204 \mathring{w} \mathring{v} \ 205 \mathring{v} \ 203 \mathring{w} \mathring{v} \ 204 \mathring{v} \ 204 \mathring{v} \ 200 \mathring{v} \ 206 \mathring{v} \ 202 \mathring{v} \ 204 \mathring{v} \ 200 \mathring{v} \
                          sector: 'Banks',
                           website: 'www.anb.com.sa'
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                           symbol: '1120:TADAWUL',
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                          sector: 'Banks',
                           website: 'www.alrajhibank.com.sa'
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                   name_ar: 'ø"ù\206ù\203 اù\204Ø¥ù\206ù\205اØ¡',
                   sector: 'Banks',
                   website: 'www.alinma.com'
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                   name: 'SHL',
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},
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                   name_ar: '\(\)\(205\)\(\)\(210\)\(\)\(210\)\(\)\(204',
                   sector: 'Financial Services',
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         name_ar: '\bar{\dot{\mathbf{v}}}\205\dot{\dot{\mathbf{v}}}\212\phi^-\phi^\circ\dot{\mathbf{v}}\204\dot{\mathbf{v}}\201',
         sector: 'Insurance',
         website: 'www.medgulf.com.sa'
},
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         name_ar: 'Ù\210\\204\seta\seta',
sector: 'Insurance',
         website: 'www.walaa.com.sa'
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         name_ar: 'Ø£Ù\204Ù\212ØŞÙ\206Ø2 Ø¥Ø3 Ø¥Ù\201',
         sector: 'Insurance',
         website: 'www.allianz.com.sa'
         symbol: '8070:TADAWUL',
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         name: 'Arabian Shield'
         name_ar: ' Ø \S \mathring{U} \ 204 Ø - Ø \pm Ø ^ 1 Ø \S \mathring{U} \ 204 Ø ^ 1 Ø \pm Ø ^ 1 \mathring{U} \ 212',
         sector: 'Insurance',
         website: 'www.arabianshield.com.sa'
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},
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name_ar: 'ØŞÜ\204Ø®Ü\204Ø£Ü\207Ü\204Ü\212Ø@',
sector: 'Insurance',
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website: 'www.gulfunion.com.sa'
},
{
     symbol: '8150:TADAWUL',
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     sector: 'Insurance',
     website: 'www.acig.com.sa'
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     name: 'AICC'
    name_ar: 'Ø£Ü\203سا',
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     website: 'www.aicc.com.sa'
},
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     name_ar: ' \emptyset \S \hat{U} \setminus 204 \emptyset \S \emptyset^a \emptyset - \emptyset \S \emptyset^{-'},
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},
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     name_ar: 'ØSÜ\204صÜ\202ر Ü\204Ü\204تØ£Ü\205Ü\212Ü\206',
     sector: 'Insurance',
     website: 'www.alsagr.com.sa'
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},
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    name_ar: 'إعØ$دØ© ا\dot{v}\204سع\dot{v}\210د\dot{v}\212Ø©', sector: 'Insurance',
     website: 'www.saudire.com'
},
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     name_ar: 'Ø"Ù\210Ø"Ø$ Ø$Ù\204عرØ"Ù\212Ø©',
     sector: 'Insurance',
     website: 'www.bupa.com.sa'
},
     symbol: '8230:TADAWUL',
     tickerSymbol: '8230',
     name: 'Alrajhi Takaful'
     name_ar: 'Øaù\203ØSù\201ù\204 ØSù\204رØSجØ-ù\212',
     sector: 'Insurance',
     website: 'www.alrajhitakaful.com'
},
     symbol: '8240:TADAWUL',
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    name_ar: 'تØ'Ø"',
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     website: 'www.chubb.com.sa'
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     symbol: '8260:TADAWUL',
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          website: 'www.amana.com.sa'
},
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          name_ar: 'عÙ\206اÙ\212Ø@',
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},
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          name_ar: '\emptyset Y\emptyset^3 \emptyset^a \dot{U} \ 212 \emptyset^3 \dot{U} \ 212',
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          website: 'www.stc.com.sa'
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          name: 'Etihad Etisalat',
          name_ar: 'اذØ-اد اذصا\mathring{\mathbf{D}}\ 204اذ', sector: 'Telecommunication Services',
          website: 'www.mobily.com.sa'
},
          symbol: '7030:TADAWUL',
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          name_ar: / Ø^2 \mathring{U} \ 212 \mathring{U} \ 206 \ ا \mathring{U} \ 204 Ø^3 Ø^1 \mathring{U} \ 210 Ø^- \mathring{U} \ 212 Ø^0 /
          sector: 'Telecommunication Services',
          website: 'www.sa.zain.com'
},
          symbol: '7040:TADAWUL',
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          name: 'Atheeb Telecom'
          name_ar: 'Ø$تصØ$Û\204Ø$ت عذÛ\212Ø"',
          sector: 'Telecommunication Services',
          website: 'www.atheeb.com.sa'
},
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          name_ar: 'ذازÙ\203Ù\210',
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},
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                            name: 'Saudi Electricity'
                           name_ar: 'ØŞÙ\204Ø3Ø1Ù\210Ø-Ù\212Ø@ Ù\204Ù\204Ù\203Ù\207رØ"ØŞØ;',
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                            website: 'www.se.com.sa'
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                            sector: 'Utilities',
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},
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                            name_ar: 'Ø£Ù\203Ù\210Ø$ Ø"Ø$Ù\210ر'.
                            sector: 'Utilities',
                           website: 'www.acwapower.com'
 },
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                            sector: 'REITs',
                            website: 'www.riyadreit.com'
 },
                            symbol: '4331:TADAWUL',
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                            sector: 'REITs',
                           website: 'www.aljazirareit.com'
 },
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                            name: 'Jadwa REIT Alharamain',
                           name_ar: \prescript{'}\prescript{\emptyset}\prescript{\pi}\prescript{210}\prescript{\pi}\prescript{211} \phi \prescript{\pi}\prescript{212}\phi^a \phi \prescript{\pi}\prescript{204}\phi - \phi \phi \prescript{\pi}\prescript{205}\prescript{\pi}\prescript{212}\prescript{\pi}\prescript{206}\prescript{\prime}},
                            sector: 'REITs',
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                            website: 'www.taleemreit.com'
 },
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 },
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```

```
name_ar: 'Ø$\u00fc\u00e4\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df\u00df
              sector: 'Real Estate Mgmt & Dev\'t',
              website: 'www.alandalus.com.sa'
},
              symbol: '4321:TADAWUL',
              tickerSymbol: '4321',
              name: 'Cenomi Centers'
              name_ar: /Ø^3\dot{U}\212\dot{U}\206\dot{U}\210\dot{U}\205\dot{U}\212 Ø^3\dot{U}\206Ø^2Ø\pmØ^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: 'Ø3Ù\205Ù\210',
              sector: 'Real Estate Mgmt & Dev\'t',
              website: 'www.sumou.com.sa'
              symbol: '4230:TADAWUL',
              tickerSymbol: '4230',
              name: 'Red Sea',
              name_ar: \%$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}$\dot{v}
              sector: 'Real Estate Mgmt & Dev\'t',
              website: 'www.redsea.com.sa'
},
              symbol: '7200:TADAWUL',
              tickerSymbol: '7200',
              name: 'MIS',
              name_ar: 'Ø¥Ù\205 Ø¢Ù\212 Ø¥Ø3',
              sector: 'Software & Services',
              website: 'www.mis.com.sa'
},
              symbol: '7201:TADAWUL',
              tickerSymbol: '7201',
              name: 'Arab Sea',
              name_ar: \%$\dot{v}\204\dot{v}"\dot{v}-\dot{v}± \dot{v}$\dot{v}\204\dot{v}1\dot{v}±\dot{v}0.
              sector: 'Software & Services',
              website: 'www.arabsea.com.sa'
              symbol: '7202:TADAWUL',
              tickerSymbol: '7202',
              name: 'Solutions',
             name_ar: 'Ø-\u00fc\)204\u00fc\)204\u00fc, sector: 'Software & Services',
              website: 'www.solutions.com.sa'
              symbol: '7203:TADAWUL',
              tickerSymbol: '7203',
              name: 'ELM',
              name_ar: /\cancel{0}^{1}\mathring{U}\204\mathring{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: /\phi_S \dot{U} \ 204 \dot{U} \ 205 \phi - \dot{U} \ 204 \dot{U} \ 204 \phi^{\scriptscriptstyle \perp} \dot{U} \ 210 \phi^{\scriptscriptstyle -\prime},
              sector: 'Household & Personal Products',
              website: 'www.almajedoud.com.sa'
},
              symbol: '9406:TADAWUL',
```

/Users/abdulazizdot/Desktop/customer-supagert24agefnt26app/config/market.ts

tickerSymbol: '9406',

```
name: 'Albilad MSCI'
           name_ar: 'ØŞÜ\204Ø"Ü\204ØŞØ" Ø¥Ü\205 Ø¥Ø3 Ø3Ü\212 Ø¢Ü\212',
           sector: 'Index Funds',
           website: 'www.albiladmsci.com'
       },
           symbol: '9402:TADAWUL',
           tickerSymbol: '9402',
           name: 'Alawwal MT30'
           name_ar: 'Ø$\dark{\psi}\204\Ø\tau\210\dark{\psi}\205 \Øa\dark{\psi}\212 30',
           sector: 'Index Funds',
           website: 'www.alawwalmt30.com'
       },
           symbol: '9403:TADAWUL',
           tickerSymbol: '9403',
           name: 'Albilad Sukuk',
           name_ar: /Ø\S\dot{U}\204Ø"\dot{U}\204Ø\SØ^- Ø\mu\dot{U}\203\dot{U}\210\dot{U}\203',
           sector: 'Index Funds',
           website: 'www.albiladsukuk.com'
      },
           symbol: '4701:TADAWUL',
           tickerSymbol: '4701',
           name: 'ADITF'
           name_ar: '\emptyset \pm \emptyset^- \dot{U} \setminus 212 \emptyset^a \dot{U} \setminus 201',
           sector: 'Index Funds',
           website: 'www.aditf.com.sa'
       },
           symbol: '9400:TADAWUL',
           tickerSymbol: '9400',
           name: 'Yaqeen 30',
           name_ar: '\u00fc\212\u00fc\202\u00fc\212\u00fc\206 30',
           sector: 'Index Funds',
           website: 'www.yaqeen30.com'
           symbol: '9401:TADAWUL',
           tickerSymbol: '9401',
           name: 'Yaqeen Petrochemical',
           {\tt name\_ar: \ '\check{v}} \ 212\check{v} \ 202\check{v} \ 212\check{v} \ 206 \ \check{v} \ 204\check{v} \ 204\check{v} \ 205\check{g} \ \check{v} \ 212\check{v} \ 205\check{g} \ \check{g} \ \check{v} \ 210\check{v} \ 212\check{g} \ \check{g} \ \check{g}^{a} \ ',}
           sector: 'Index Funds',
           website: 'www.yaqeenpetrochemical.com'
       },
           symbol: '9404:TADAWUL',
           tickerSymbol: '9404',
           name: 'Alinma Sukuk',
           name_ar: 'ØSÜ\204Ø¥Ü\206Ü\205ØSØ; صÜ\203Ü\210Ü\203',
           sector: 'Index Funds',
           website: 'www.alinmasukuk.com'
       },
           symbol: '9405:TADAWUL',
           tickerSymbol: '9405',
           name: 'Albilad Gold',
           name_ar: 'Ø$\u00fc\204\u00fg"\u00fc\204\u00fg\u00fg" o\u00fc\207\u00fg",
           sector: 'Index Funds',
           website: 'www.albiladgold.com'
      },
           symbol: '4700:TADAWUL',
           tickerSymbol: '4700',
           name: 'Alkhabeer Income',
           name_ar: \%$\dot{\mathbf{v}}204\%8\dot{\mathbf{v}}012\dot{\mathbf{v}}4\dot{\mathbf{v}}5\dot{\mathbf{v}}08\dot{\mathbf{v}}1204\dot{\mathbf{v}}7,
           sector: 'Index Funds',
           website: 'www.alkhabeerincome.com'
       },
           symbol: '9407: TADAWUL',
           tickerSymbol: '9407',
           name: 'Albilad US Tech',
           \2120@'.
           sector: 'Index Funds',
           website: 'www.albiladustech.com'
       },
           symbol: '9408:TADAWUL',
           tickerSymbol: '9408',
           name: 'Albilad Saudi Growth',
           sector: 'Index Funds',
           website: 'www.albiladsaudigrowth.com'
```

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```
},
     {
         symbol: '4702:TADAWUL',
         tickerSymbol: '4702',
         name: 'Alkhabeer Income 2030',
         sector: 'Index Funds',
         website: 'www.alkhabeerincome2030.com'
     },
         symbol: '4703:TADAWUL',
         tickerSymbol: '4703',
         name: 'Sedco Multi Asset'
         sector: 'Index Funds',
         website: 'www.sedcomultiasset.com'
     },
         symbol: '9410:TADAWUL',
         tickerSymbol: '9410',
         name: 'Albilad Hong Kong China',
         name_ar: 'ØŞÙ\204Ø"ῢ\204Øςد ῢ\207ὺ\210한\206ذ ῢ\203ῢ\210한\206ذ ØŞ한\204Øμὺ\212ὺ\206',
         sector: 'Index Funds',
         website: 'www.albiladhongkongchina.com'
     },
         symbol: '9411:TADAWUL',
         tickerSymbol: '9411',
         name: 'SAB HK',
         name_ar: 'Ø3Ø$Ø" Ù\207Ù\210Ù\206ذ Ù\203Ù\210Ù\206ذ',
         sector: 'Index Funds',
         website: 'www.sabhk.com'
 // Helper functions
export function findSaudiSymbol(query: string) {
 const normalizedQuery = query.toLowerCase();
 return SAUDI_SYMBOLS.find(stock =>
   stock.symbol.toLowerCase().includes(normalizedQuery) | |
   stock.tickerSymbol.toLowerCase().includes(normalizedQuery)
   stock.name.toLowerCase().includes(normalizedQuery)
   stock.name_ar.includes(query)
 );
export function getSectorCompanies(sector: string) {
 return SAUDI_SYMBOLS.filter(stock =>
   stock.sector.toLowerCase() === sector.toLowerCase()
 );
}
export function formatSaudiSymbol(symbol: string | number) {
 const stock = SAUDI_SYMBOLS.find(s =>
   s.tickerSymbol === symbol.toString() ||
   s.symbol === symbol.toString()
 if (!stock) return `${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)
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)
  );
```

```
// /app/lib/context/types.ts
// Base metadata interfaces
export interface FinancialMetrics {
 pe_ratio?: number;
 profit_margin?: number;
 revenue_growth?: number;
 dividend_yield?: number;
 market_cap?: number;
  volume?: number;
 [key: string]: number | undefined;
export interface TechnicalIndicators {
 rsi?: number;
 macd?: {
   value: number;
    signal: number;
   histogram: number;
 moving_averages?: {
    sma_50?: number;
    sma_200?: number;
    ema_20?: number;
 support_levels?: number[];
 resistance_levels?: number[];
// Enhanced company context
export interface CompanyContext {
  symbol: string;
 name: string;
 name ar?: string:
 sector?: string;
 lastMentioned: number;
 metadata: {
    recentTopics: string[];
    financialMetrics?: FinancialMetrics;
    technicalIndicators?: TechnicalIndicators;
    fundamentalFactors: string[];
    marketMetrics: {
      price: number;
      change: number;
      changePercent: number;
      volume: number;
      timestamp: number;
    };
    analysisContext: {
      mentionCount: number;
      sentiment: 'bullish' | 'bearish' | 'neutral';
      confidence: number;
    };
 };
// Enhanced market context
export interface MarketContext {
 currentMarketHours: boolean:
 marketConditions: 'bull' | 'bear'
volatilityLevel: 'low' | 'medium'
                                      'neutral';
 timestamp: number;
 majorIndices: {
    [key: string]: {
      value: number;
      change: number;
      changePercent: number;
      volume: number;
   };
  sectorPerformance: {
    [sector: string]: {
      change: number;
      volume: number;
      topMovers: Array<{</pre>
        symbol: string;
        change: number;
      }>;
   };
 marketBreadth: {
   advancers: number;
    decliners: number;
    unchanged: number;
```

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```
totalVolume: number;
 };
// Enhanced message interface
export interface Message {
  id: string;
  role: 'user'
               'assistant';
  content: string;
  timestamp: number;
  metadata: {
    instruments: string[];
    companies: string[];
    markets: string[];
    metrics: string[];
    timeframes: string[];
    sentiment: 'bullish' | 'bearish' | 'neutral';
    confidence: number;
    riskLevel: 'low' | 'medium' | 'high';
    technicalIndicators: string[];
    fundamentalFactors: string[];
    analysisType: 'technical' | 'fundamental' | 'mixed' | 'general';
priority: 'critical' | 'high' | 'medium' | 'low';
    language?: 'en' | 'ar';
  };
 contextScore?: ContextScore;
// Enhanced conversation state
export interface ConversationState {
  id: string;
  currentCompany?: CompanyContext;
  recentCompanies: CompanyContext[];
  messageHistory: Array<Message>;
  analysisContext: {
    activeTechnicalAnalysis: boolean;
    fundamentalAnalysisActive: boolean;
    lastMarketUpdate: number;
    confidence: number;
    contextQuality: 'excellent' | 'good' | 'limited' | 'poor';
  };
  userPreferences: {
    preferredMarkets: string[];
    riskTolerance: 'conservative' | 'moderate' | 'aggressive';
preferredTimeframe: 'short' | 'medium' | 'long';
    technicalAnalysisLevel: 'basic' | 'intermediate' | 'advanced';
    language: 'en' | 'ar';
  marketContext?: MarketContext;
  lastActivity: number;
  conversationStart: number;
// Context window management
export interface ContextWindow {
 maxSize: number;
  currentSize: number;
  priorityThreshold: number;
  recentMessages: Message[];
  marketSnapshots: MarketContext[];
  kevInsights: Arrav<{
    content: string;
    timestamp: number;
   priority: 'critical' | 'high' | 'medium' | 'low';
category: 'market' | 'company' | 'sector' | 'general';
 } > ;
}
export interface ContextScore {
 messageId: string;
 marketRelevance: number;
  timeRelevance: number;
  instrumentRelevance: number;
  userPriorityScore: number;
  finalScore: number;
 timestamp: number;
}
export interface AnalysisResponse {
  companies: CompanyContext[];
  sectors: Set<string>;
  confidence: number;
  analysisTimestamp: number;
 marketSnapshot?: MarketContext;
```

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```
// Response schema for API
export interface ChatResponse {
  response: string;
  thinking: string;
  user_mood: 'positive' | 'neutral' | 'negative' | 'curious' | 'frustrated' | 'confused';
  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[];
    sectors: string[];
    economic_indicators: string[];
    analysis_type: 'technical' | 'fundamental' | 'mixed' | 'general';
    market_data: any | null;
    key_insights: string[];
  debug: {
    context_used: boolean;
    market_data_used: boolean;
    context_confidence: number;
    analysis_quality: string;
 } ;
```

```
// /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) {
```

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```
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
import { SAUDI_SYMBOLS } from '@/app/config/market';
import { CompanyContext } from './types';
export class FinanceAnalyzer {
  // Known financial instruments and companies
  private static readonly SAUDI_MARKET_TERMS = new Set([
     'tadawul', 'saudi stock', 'saudi market', 'tasi', 'nomu'
    'parallel market', 'main market', 'saudi exchange', 'cma
  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',
    'EMA', 'SMA', 'price action', 'trend line', 'head and shoulders',
    'double top', 'double bottom', 'triangle pattern', 'flag pattern'
  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', 'PEG ratio', 'debt to equity', 'current ratio', 'quick ratio',
    'dividend yield', 'payout ratio', 'price to book', 'price to sales
  1);
  private static readonly SECTORS = new Set(
   Array.from(new Set(SAUDI_SYMBOLS.map(stock => stock.sector)))
  private static readonly RISK_TERMS = {
    high: ['volatile', 'risky', 'speculative', 'aggressive', 'unstable', 'uncertain'],
medium: ['moderate', 'balanced', 'mixed', 'neutral'],
low: ['safe', 'stable', 'conservative', 'defensive', 'reliable']
  private static readonly SENTIMENT_TERMS = {
    private static readonly COMPANY_RELATED_TERMS = new Set([
    'revenue', 'profit', 'earnings', 'growth', 'performance', 'management',
'strategy', 'market share', 'competition', 'expansion', 'dividend',
'announcement', 'report', 'guidance', 'forecast', 'outlook',
    'CEO', 'executive', 'board', 'shareholders', 'stock', 'shares', 'price', 'valuation', 'target', 'rating', 'upgrade', 'downgrade'
  public static analyzeFinancialContext(
    message: string,
    currentCompany?: CompanyContext
    confidence: number;
    companies: Arrav<{
      symbol: string:
      name: string;
       sector?: string;
      isContinuedDiscussion: boolean;
    }>;
    technicalIndicators: string[];
    fundamentalFactors: string[];
    sectors: string[];
    riskLevel: 'low' | 'medium' | 'high';
    sentiment: 'bullish' | 'bearish' | 'neutral';
    analysisType: 'technical' | 'fundamental' | 'mixed' | 'general';
    marketContext: {
      isSaudiMarket: boolean;
      mentionedMarket?: string;
    };
    companyContext: {
      hasExplicitMention: boolean;
       continuedDiscussion: boolean;
      discussionTopics: string[];
    };
  } {
    const text = message.toLowerCase();
    // Analyze company context first
    const companiesAnalysis = this.analyzeCompanyContext(text, currentCompany);
```

```
// Extract all indicators and factors
  const technical = this.extractTechnicalIndicators(text);
  const fundamental = this.extractFundamentalFactors(text);
  const sectors = this.extractSectors(text);
  // Determine market context
  const isSaudiMarket = this.checkSaudiMarketContext(text);
  // Analyze sentiment with company context
  const sentiment = companiesAnalysis.companies.length > 0
    ? this.analyzeSentimentWithContext(text, companiesAnalysis.companies[0])
    : this.determineSentiment(text);
  // Determine analysis type
  const analysisType = this.determineAnalysisType(
    technical.length,
    fundamental.length,
    {\tt companiesAnalysis.discussionTopics}
  );
  // Calculate confidence score
  const confidence = this.calculateConfidence({
    technical: technical.length,
    fundamental: fundamental.length,
    sectors: sectors.length,
    hasExplicitCompany: companiesAnalysis.hasExplicitMention,
    isContinuedDiscussion: companiesAnalysis.continuedDiscussion,
    messageLength: text.split(/\s+/).length,
    hasNumbers: /\d+/.test(text),
    isQuestion: text.includes('?'),
    isSaudiMarket
  });
  return {
    confidence,
    companies: companiesAnalysis.companies.
    technicalIndicators: technical,
    fundamentalFactors: fundamental,
    sectors,
    riskLevel: this.assessRiskLevel(text),
    sentiment.
    analysisType,
    marketContext: {
      isSaudiMarket.
     mentionedMarket: isSaudiMarket ? 'Tadawul' : undefined
    companyContext: {
      hasExplicitMention: companiesAnalysis.hasExplicitMention,
      continuedDiscussion: companiesAnalysis.continuedDiscussion,
      discussionTopics: companiesAnalysis.discussionTopics
  };
private static analyzeCompanyContext(
  text: string,
  currentCompany?: CompanyContext
  const companies: Array<{</pre>
    symbol: string;
    name: string;
    sector?: string;
    isContinuedDiscussion: boolean;
  }> = [];
  const discussionTopics: string[] = [];
  let hasExplicitMention = false;
  let continuedDiscussion = false;
  // First check for explicit company mentions
  SAUDI_SYMBOLS.forEach(stock => {
    if (
      text.includes(stock.tickerSymbol.toLowerCase()) | |
      text.includes(stock.name.toLowerCase()) | |
      (stock.name_ar && text.includes(stock.name_ar.toLowerCase()))
    ) {
      companies.push({
        symbol: stock.symbol,
        name: stock.name,
        sector: stock.sector.
        isContinuedDiscussion: false
      });
      hasExplicitMention = true;
  });
```

```
// If no explicit mentions but we have a current company
  if (companies.length === 0 && currentCompany) {
    const hasRelatedTerms = Array.from(this.COMPANY_RELATED_TERMS)
      .some(term => text.includes(term.toLowerCase()));
    if (hasRelatedTerms) {
      companies.push({
        symbol: currentCompany.symbol,
        name: currentCompany.name,
        sector: currentCompany.sector,
        isContinuedDiscussion: true
      });
      continuedDiscussion = true;
    }
  // Extract discussion topics
  if (companies.length > 0) {
    discussionTopics.push(
      ...this.extractTechnicalIndicators(text),
      ...this.extractFundamentalFactors(text),
      ...Array.from(this.COMPANY_RELATED_TERMS)
        .filter(term => text.includes(term.toLowerCase()))
    );
  return {
    companies,
    hasExplicitMention,
    continuedDiscussion,
   discussionTopics: Array.from(new Set(discussionTopics))
  };
private static checkSaudiMarketContext(text: string): boolean {
  return Array.from(this.SAUDI MARKET TERMS)
    .some(term => text.includes(term.toLowerCase()));
private static extractTechnicalIndicators(text: string): string[] {
  return Arrav.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 analyzeSentimentWithContext(
  text: string,
  company: { symbol: string; name: string }
): 'bullish' | 'bearish' | 'neutral' {
  // Look for sentiment near company mentions
  const words = text.split(/\s+/);
  const companyIndex = words.findIndex(word =>
    word.includes(company.name.toLowerCase()) | |
    word.includes(company.symbol.toLowerCase())
  if (companyIndex !== -1) {
    // Analyze sentiment in company context (5 words before and after)
    const start = Math.max(0, companyIndex - 5);
    const end = Math.min(words.length, companyIndex + 6);
    const contextText = words.slice(start, end).join(' ');
    return this.determineSentiment(contextText);
  return this.determineSentiment(text);
private static determineSentiment(text: string): 'bullish' | 'bearish' | 'neutral' {
  let score = 0:
  for (const term of this.SENTIMENT_TERMS.bullish) {
   if (text.includes(term)) score += 1;
     (const term of this.SENTIMENT_TERMS.bearish) {
   if (text.includes(term)) score -= 1;
```

```
if (score > 1) return 'bullish';
  if (score < -1) return 'bearish';</pre>
  return 'neutral';
private static assessRiskLevel(text: string): 'low' | 'medium' | 'high' {
  let score = 0;
  for (const term of this.RISK_TERMS.high) {
    if (text.includes(term)) score += 2;
  for (const term of this.RISK_TERMS.low) {
   if (text.includes(term)) score -= 2;
  if (text.includes('hedge') | text.includes('diversif')) score -= 1;
  if (text.includes('leverage') | text.includes('margin')) score += 1;
  if (score > 2) return 'high';
  if (score < -1) return 'low';</pre>
  return 'medium';
private static determineAnalysisType(
  technicalCount: number,
  fundamentalCount: number.
 topics: string[]
): 'technical' | 'fundamental' | 'mixed' | 'general' {
 const hasCompanySpecific = topics.some(topic =>
   this.COMPANY_RELATED_TERMS.has(topic)
  );
  if (technicalCount > 0 && fundamentalCount > 0) {
   return 'mixed';
  if (technicalCount > 0) {
    return 'technical';
  if (fundamentalCount > 0 | hasCompanySpecific) {
   return 'fundamental';
  return 'general';
private static calculateConfidence(factors: {
  technical: number;
  fundamental: number;
  sectors: number;
  hasExplicitCompany: boolean;
  isContinuedDiscussion: boolean;
 messageLength: number;
  hasNumbers: boolean;
  isQuestion: boolean;
  isSaudiMarket: boolean;
}): number {
  let confidence = 0.5; // Base confidence
  // Company context factors
  if (factors.hasExplicitCompany) confidence += 0.2;
  if (factors.isContinuedDiscussion) confidence += 0.1;
  // Analysis depth factors
  if (factors.technical > 0) confidence += 0.1;
  if (factors.fundamental > 0) confidence += 0.1;
  if (factors.sectors > 0) confidence += 0.05;
  // Message quality factors
  if (factors.hasNumbers) confidence += 0.05;
  if (factors.isQuestion) confidence += 0.05;
  if (factors.isSaudiMarket) confidence += 0.1;
  // Penalize very short messages
  if (factors.messageLength < 3) confidence -= 0.2;</pre>
  // 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;
11
    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;
```

```
import { API_KEY, API_URL, SAUDI_SYMBOLS } from '@/app/config/market';
interface FundamentalData {
 symbol: string;
 name: string;
 sector: string;
 valuation metrics: {
   market_capitalization?: number;
    enterprise_value?: number;
    trailing_pe?: number;
    forward_pe?: number;
    peg_ratio?: number;
    price_to_sales_ttm?: number;
    price_to_book_mrq?: number;
    enterprise_to_revenue?: number;
    enterprise_to_ebitda?: number;
  };
 financials: {
    gross_margin?: number;
    profit_margin?: number;
    operating_margin?: number;
    return_on_assets_ttm?: number;
    return_on_equity_ttm?: number;
    income_statement?: {
      revenue_ttm?: number;
      revenue_per_share_ttm?: number;
      quarterly_revenue_growth?: number;
      gross_profit_ttm?: number;
      ebitda?: number;
      net_income_to_common_ttm?: number;
      diluted eps ttm?: number;
      quarterly_earnings_growth_yoy?: number;
    };
    balance_sheet?: {
      total_cash_mrq?: number;
      total_cash_per_share_mrq?: number;
      total_debt_mrq?: number;
      total_debt_to_equity_mrq?: number;
      current_ratio_mrq?: number;
     book_value_per_share_mrq?: number;
    };
    cash flow?: {
      operating_cash_flow_ttm?: number;
      levered_free_cash_flow_ttm?: number;
    };
  dividends?: {
    forward_annual_dividend_rate?: number;
    forward_annual_dividend_yield?: number;
    trailing_annual_dividend_rate?: number;
    trailing_annual_dividend_yield?: number;
    five_year_average_dividend_yield?: number;
    payout_ratio?: number;
    dividend_date?: string;
    ex_dividend_date?: string;
 };
 stock_statistics?: {
    shares_outstanding?: number;
    float_shares?: number;
    avq_volume_10d?: number;
    avg_volume_90d?: number;
    short_ratio?: number;
    percent_held_by_insiders?: number;
   percent_held_by_institutions?: number;
 };
interface BalanceSheetResponse {
 meta: {
    symbol: string:
    name: string;
    currency: string;
    exchange: string;
    mic_code: string;
    exchange_timezone: string;
    period: string;
 balance_sheet: Array<{
    fiscal_date: string;
    assets: {
      current_assets: {
        cash: number;
        cash_equivalents: number;
        cash_and_cash_equivalents: number;
        other_short_term_investments: number;
        accounts_receivable: number;
```

```
other_receivables: number;
        inventory: number;
        prepaid_assets: number | null;
        restricted_cash: number | null;
        assets_held_for_sale: number | null;
        hedging_assets: number | null;
        other_current_assets: number;
        total_current_assets: number;
      };
      non_current_assets: {
       properties: number;
        land and improvements: number;
        machinery_furniture_equipment: number;
        construction_in_progress: number | null;
        leases: number;
        accumulated_depreciation: number;
        goodwill: number | null;
        investment_properties: number | null;
        financial_assets: number | null;
        intangible_assets: number | null;
        investments_and_advances: number;
        other_non_current_assets: number;
        total_non_current_assets: number;
      total_assets: number;
    };
    liabilities: {
      current_liabilities: {
        accounts_payable: number;
        accrued_expenses: number | null;
        short_term_debt: number;
        deferred_revenue: number;
        tax_payable: number | null;
        pensions: number | null;
        other_current_liabilities: number;
       total_current_liabilities: number;
      }:
      non_current_liabilities: {
        long_term_provisions: number | null;
        long_term_debt: number;
        provision_for_risks_and_charges: number;
        deferred_liabilities: number | null;
        derivative_product_liabilities: number | null;
        other_non_current_liabilities: number;
        total_non_current_liabilities: number;
      };
      total_liabilities: number;
    shareholders_equity: {
      common_stock: number;
      retained_earnings: number;
      other_shareholders_equity: number;
      total_shareholders_equity: number;
      additional_paid_in_capital: number | null;
      treasury_stock: number | null;
     minority_interest: number | null;
    };
 }>;
interface CashFlowResponse {
 meta: {
    symbol: string;
    name: string;
    currency: string;
    exchange: string;
    mic_code: string;
    exchange_timezone: string;
   period: string;
 cash_flow: Array<{</pre>
    fiscal_date: string;
    quarter?: number;
    operating_activities: {
      net income: number:
      depreciation: number;
      deferred_taxes: number;
      stock_based_compensation: number;
      other_non_cash_items: number;
      accounts_receivable: number;
      accounts_payable: number;
      other_assets_liabilities: number;
      operating_cash_flow: number;
    investing_activities: {
      capital_expenditures: number;
```

```
net_intangibles: number | null;
      net_acquisitions: number | null;
      purchase_of_investments: number:
      sale_of_investments: number;
      other_investing_activity: number;
     investing_cash_flow: number;
    };
    financing_activities: {
      long_term_debt_issuance: number | null;
      long_term_debt_payments: number;
      short_term_debt_issuance: number;
      common_stock_issuance: number | null;
      common_stock_repurchase: number;
      common_dividends: number;
      other_financing_charges: number;
      financing_cash_flow: number;
    };
    end_cash_position: number;
    income_tax_paid: number;
    interest_paid: number;
    free_cash_flow: number;
 } > ;
interface IncomeStatementResponse {
 meta: {
    symbol: string;
    name: string;
    currency: string:
    exchange: string;
   mic_code: string;
    exchange_timezone: string;
   period: string;
 income statement: Arrav<{
    fiscal_date: string;
    quarter?: number;
    year?: number;
    sales: number;
    cost_of_goods: number;
    gross_profit: number;
    operating_expense: {
     research_and_development: number;
      selling_general_and_administrative: number;
      other_operating_expenses: number | null;
    operating_income: number;
    non_operating_interest: {
     income: number:
     expense: number;
    other_income_expense: number;
    pretax income: number:
    income tax: number:
    net_income: number;
    eps_basic: number;
    eps_diluted: number;
    basic_shares_outstanding: number;
    diluted shares outstanding: number:
    ebitda: number;
    net_income_continuous_operations: number | null;
    minority_interests: number | null;
    preferred_stock_dividends: number | null;
 } > ;
export class SaudiFundamentals {
 private static readonly CACHE_DURATION = 300000; // 5 minutes
 private static cache: Map<string, { data: FundamentalData; timestamp: number }> = new Map();
 private static async fetchWithCache(url: string): Promise<any> {
    const cached = this.cache.get(url);
    if (cached && Date.now() - cached.timestamp < this.CACHE_DURATION) {</pre>
      return cached.data;
    try {
      const response = await fetch(url);
      if (!response.ok) {
        throw new Error('HTTP error! status: ${response.status}');
      const data = await response.json();
      this.cache.set(url, { data, timestamp: Date.now() });
      return data:
```

```
} catch (error) {
    console.error('Error fetching data:', error);
    throw error:
  }
static async getFundamental(symbol: string): Promise<FundamentalData | null> {
  try {
    const stockInfo = SAUDI_SYMBOLS.find(s => s.symbol === symbol);
    if (!stockInfo) return null;
    const formattedSymbol = stockInfo.tickerSymbol;
    // Fetch statistics from Twelve Data API
    const url = `${API_URL}/statistics?symbol=${formattedSymbol}&apikey=${API_KEY}';
    const response = await this.fetchWithCache(url);
    if (!response | !response.statistics) {
     throw new Error('Invalid response from statistics endpoint');
    const stats = response.statistics;
    // Transform API response into our FundamentalData structure
    const fundamentalData: FundamentalData = {
      symbol: stockInfo.symbol.
      name: stockInfo.name.
      sector: stockInfo.sector,
      valuation_metrics: {
        market_capitalization: stats.valuations_metrics?.market_capitalization,
        enterprise value: stats.valuations metrics?.enterprise value.
        trailing_pe: stats.valuations_metrics?.trailing_pe,
        forward_pe: stats.valuations_metrics?.forward_pe
       peg_ratio: stats.valuations_metrics?.peg_ratio,
        price_to_sales_ttm: stats.valuations_metrics?.price_to_sales_ttm,
        price_to_book_mrq: stats.valuations_metrics?.price_to_book_mrq,
        enterprise_to_revenue: stats.valuations_metrics?.enterprise_to_revenue,
        enterprise_to_ebitda: stats.valuations_metrics?.enterprise_to_ebitda
      financials: {
        gross_margin: stats.financials?.gross_margin,
        profit_margin: stats.financials?.profit_margin,
        operating_margin: stats.financials?.operating_margin,
        return_on_assets_ttm: stats.financials?.return_on_assets_ttm,
        return_on_equity_ttm: stats.financials?.return_on_equity_ttm,
        income statement: {
          revenue_ttm: stats.financials?.income_statement?.revenue_ttm,
          revenue_per_share_ttm: stats.financials?.income_statement?.revenue_per_share_ttm,
          quarterly_revenue_growth: stats.financials?.income_statement?.quarterly_revenue_growth,
          gross_profit_ttm: stats.financials?.income_statement?.gross_profit_ttm,
          ebitda: stats.financials?.income_statement?.ebitda,
          net_income_to_common_ttm: stats.financials?.income_statement?.net_income_to_common_ttm,
          diluted_eps_ttm: stats.financials?.income_statement?.diluted_eps_ttm,
         quarterly_earnings_growth_yoy: stats.financials?.income_statement?.quarterly_earnings_growth_yoy
        balance_sheet: {
          total_cash_mrq: stats.financials?.balance_sheet?.total_cash_mrq,
          total_cash_per_share_mrq: stats.financials?.balance_sheet?.total_cash_per_share_mrq,
          total_debt_mrq: stats.financials?.balance_sheet?.total_debt_mrq,
          total_debt_to_equity_mrq: stats.financials?.balance_sheet?.total_debt_to_equity_mrq,
          current ratio mrg: stats.financials?.balance sheet?.current ratio mrg.
         book_value_per_share_mrq: stats.financials?.balance_sheet?.book_value_per_share_mrq
        cash flow: {
          operating_cash_flow_ttm: stats.financials?.cash_flow?.operating_cash_flow_ttm,
          levered_free_cash_flow_ttm: stats.financials?.cash_flow?.levered_free_cash_flow_ttm
        }
      dividends: {
        forward_annual_dividend_rate: stats.dividends_and_splits?.forward_annual_dividend_rate,
        forward_annual_dividend_yield: stats.dividends_and_splits?.forward_annual_dividend_yield,
        trailing_annual_dividend_rate: stats.dividends_and_splits?.trailing_annual_dividend_rate,
        trailing_annual_dividend_yield: stats.dividends_and_splits?.trailing_annual_dividend_yield,
        five_year_average_dividend_yield: stats.dividends_and_splits?.["5_year_average_dividend_yield"],
        payout_ratio: stats.dividends_and_splits?.payout_ratio,
        dividend_date: stats.dividends_and_splits?.dividend_date
        ex_dividend_date: stats.dividends_and_splits?.ex_dividend_date
      stock_statistics: {
        shares_outstanding: stats.stock_statistics?.shares_outstanding,
        float_shares: stats.stock_statistics?.float_shares,
        avg_volume_10d: stats.stock_statistics?.avg_10_volume,
        avg_volume_90d: stats.stock_statistics?.avg_90_volume,
        short_ratio: stats.stock_statistics?.short_ratio,
        percent_held_by_insiders: stats.stock_statistics?.percent_held_by_insiders,
        percent_held_by_institutions: stats.stock_statistics?.percent_held_by_institutions
```

```
};
      return fundamentalData:
   } catch (error) {
      console.error(`Error fetching fundamental data for ${symbol}:', error);
      return null:
   }
 static async getSectorAverages(sector: string): Promise<{
   avg_pe?: number;
   avg_market_cap?: number;
   avg_dividend_yield?: number;
   avg_revenue_growth?: number;
   best_performer?: { symbol: string; name: string; growth: number };
   worst_performer?: { symbol: string; name: string; growth: number };
 }> {
   try {
     const sectorStocks = SAUDI_SYMBOLS.filter(stock => stock.sector === sector);
     const fundamentalsPromises = sectorStocks.map(stock => this.getFundamental(stock.symbol));
     const results = await Promise.all(fundamentalsPromises);
     const validResults = results.filter((result): result is FundamentalData => result !== null);
     if (validResults.length === 0) {
       return {};
      const sectorData = {
        avg_pe: this.calculateAverage(validResults.map(r => r.valuation_metrics?.trailing_pe)),
       avg_market_cap: this.calculateAverage(validResults.map(r => r.valuation_metrics?.market_capitalization)
        avg_dividend_yield: this.calculateAverage(validResults.map(r => r.dividends?.trailing_annual_dividend_y
ield)),
       avg_revenue_growth: this.calculateAverage(validResults.map(r => r.financials?.income_statement?.quarter
ly_revenue_growth))
     };
      // Find best and worst performers based on revenue growth
      const performanceData = validResults
        .map(result => ({
         symbol: result.symbol,
         name: result.name,
         growth: result.financials?.income_statement?.quarterly_revenue_growth || 0
       1))
        .sort((a, b) => b.growth - a.growth);
      return {
        ...sectorData,
       best_performer: performanceData[0],
        worst_performer: performanceData[performanceData.length - 1]
   } catch (error) {
      console.error('Error calculating sector averages for ${sector}:', error);
      return {};
 private static calculateAverage(numbers: (number | undefined)[]): number | undefined {
   const validNumbers = numbers.filter((n): n is number => typeof n === 'number' && !isNaN(n));
   if (validNumbers.length === 0) return undefined;
   return validNumbers.reduce((sum, n) => sum + n, 0) / validNumbers.length;
}
```

/Users/abdulazizdot/Desktop/customer-suppaget-lagefnt/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 { SaudiMarketHandler } from "@/app/market/saudiMarketHandler";
// Initialize Anthropic client
const anthropic = new Anthropic({
 apiKey: process.env.ANTHROPIC_API_KEY!,
// Response schema matching the ChatArea component expectations
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()).default([]),
   market_sentiment: z.enum(["bullish", "bearish", "neutral"]).default("neutral"),
risk_level: z.enum(["low", "medium", "high"]).default("medium"),
    confidence_score: z.number().default(0.5),
    technical_indicators: z.array(z.string()).default([]),
    fundamental_factors: z.array(z.string()).default([]),
    sectors: z.array(z.string()).default([]),
    economic_indicators: z.array(z.string()).default([]),
    analysis_type: z.enum(["technical", "fundamental", "mixed", "general"]).default("general"),
    market_data: z.any().nullable().default(null),
    key_insights: z.array(z.string()).default([])
  }),
 debug: z.object({
    context_used: z.boolean().default(false),
    market_data_used: z.boolean().default(false),
    context_confidence: z.number().default(0.5),
    analysis_quality: z.string().default("limited")
 })
});
export async function POST(req: Request) {
 try {
    const { messages } = await req.json();
    const latestMessage = messages[messages.length - 1].content;
    // Analyze Saudi market mentions
    let marketContext = null;
    let marketAnalvsis = {
      companies: [],
      sectors: new Set<string>()
    try {
      marketAnalysis = await SaudiMarketHandler.analyzeMentionedCompanies(latestMessage);
      if (marketAnalysis.companies.length > 0 | marketAnalysis.sectors.size > 0) {
        marketContext = {
          companies: marketAnalysis.companies,
          sectors: Array.from(marketAnalysis.sectors)
       };
    } catch (error) {
      console.error("Market analysis error:", error);
    // Analyze market sentiment
    const sentiment = analyzeSentiment(latestMessage);
    // Prepare system context
    const systemContext = [
      "You are a highly knowledgeable Saudi market financial advisor and analyst.",
      "Provide clear, concise analysis and recommendations.",
      marketContext && 'Current market context: ${JSON.stringify(marketContext)}',
    ].filter(Boolean).join("\n");
    // Get response from Claude
    const response = await anthropic.messages.create({
      model: "claude-3-5-sonnet-20241022",
      max_tokens: 4096,
      messages: [{
        content: '${systemContext}\n\nUser query: ${latestMessage}'
      }],
    });
    // Generate suggested questions based on context
    const suggestedQuestions = generateSuggestedQuestions(marketContext);
    // Prepare response data matching the expected schema
```

```
const responseData = {
      response: response.content[0].text,
      thinking: "Analyzing Saudi market data",
      user mood: determineUserMood(latestMessage),
      suggested_questions: suggestedQuestions,
      financial_context: {
        instruments_mentioned: marketAnalysis.companies.map(c => c.symbol),
        market sentiment: sentiment.
        risk_level: assessRiskLevel(latestMessage),
        confidence_score: calculateConfidence(marketAnalysis),
        technical_indicators: extractTechnicalIndicators(latestMessage),
        fundamental factors: extractFundamentalFactors(latestMessage),
        sectors: Array.from(marketAnalysis.sectors),
        economic_indicators: [],
        analysis_type: determineAnalysisType(latestMessage),
       market_data: marketContext,
       key_insights: generateKeyInsights(marketContext, sentiment)
      }.
      debug: {
        context_used: !!marketContext,
        market_data_used: !!marketContext,
        context_confidence: marketAnalysis.companies.length > 0 ? 0.8 : 0.5,
        \verb"analysis_quality: determineAnalysisQuality" (\verb"marketAnalysis")
    };
    // Validate response
   const validatedResponse = responseSchema.parse(responseData);
   return new Response(JSON.stringify(validatedResponse), {
      status: 200,
     headers: { "Content-Type": "application/json" }
  } catch (error) {
   console.error("Error in chat handler:", error);
    // Return error response matching the expected schema
    const errorResponse = {
      response: "An error occurred while processing your request. Please try again.",
     thinking: "Error occurred",
      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 try a different query?"
      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"
   };
   return new Response(JSON.stringify(errorResponse), {
      status: 500.
     headers: { "Content-Type": "application/json" }
   });
// Helper functions
function analyzeSentiment(text: string): "bullish" | "bearish" | "neutral" {
 const bullishWords = ['up', 'gain', 'grow', 'positive', 'bullish', 'increase'];
const bearishWords = ['down', 'loss', 'decline', 'negative', 'bearish', 'decrease'];
 const text_lower = text.toLowerCase();
 const bullishCount = bullishWords.filter(word => text_lower.includes(word)).length;
 const bearishCount = bearishWords.filter(word => text_lower.includes(word)).length;
 if (bullishCount > bearishCount) return "bullish";
 if (bearishCount > bullishCount) return "bearish";
```

```
/Users/abdulazizdot/Desktop/customer-suppaget3agefnt4/app/api/chat/route.ts
 return "neutral";
function assessRiskLevel(text: string): "low" | "medium" | "high" {
  const highRiskWords = ['volatile', 'risky', 'speculative'];
 const lowRiskWords = ['safe', 'stable', 'conservative'];
 const text lower = text.toLowerCase();
 const highRiskCount = highRiskWords.filter(word => text_lower.includes(word)).length;
  const lowRiskCount = lowRiskWords.filter(word => text_lower.includes(word)).length;
 if (highRiskCount > lowRiskCount) return "high";
 if (lowRiskCount > highRiskCount) return "low";
 return "medium";
function calculateConfidence(analysis: { companies: any[], sectors: Set<string> }): number {
 let confidence = 0.5; // base confidence
  if (analysis.companies.length > 0) confidence += 0.2;
  if (analysis.sectors.size > 0) confidence += 0.1;
 return Math.min(confidence, 1);
function extractTechnicalIndicators(text: string): string[] {
 const indicators = ['RSI', 'MACD', 'moving average', 'support', 'resistance', 'trend'];
 return indicators.filter(i => text.toLowerCase().includes(i.toLowerCase()));
function extractFundamentalFactors(text: string): string[] {
 const factors = ['revenue', 'profit', 'earnings', 'PE ratio', 'dividend', 'growth'];
 return factors.filter(f => text.toLowerCase().includes(f.toLowerCase()));
function determineAnalysisType(text: string): "technical" | "fundamental" | "mixed" | "general" {
 const technicalCount = extractTechnicalIndicators(text).length;
 const fundamentalCount = extractFundamentalFactors(text).length;
 if (technicalCount > 0 && fundamentalCount > 0) return "mixed";
 if (technicalCount > 0) return "technical";
 if (fundamentalCount > 0) return "fundamental";
 return "general";
function generateKeyInsights(marketContext: any, sentiment: string): string[] {
 const insights = [];
 if (marketContext?.companies.length > 0) {
   insights.push('Analysis focused on ${marketContext.companies[0].name}');
 if (marketContext?.sectors.length > 0) {
   insights.push('Sector analysis: ${marketContext.sectors.join(', ')}');
 insights.push('Overall market sentiment: ${sentiment}');
 return insights;
function determineAnalysisQuality(analysis: { companies: any[], sectors: Set<string> }): string {
 if (analysis.companies.length > 0 && analysis.sectors.size > 0) return "excellent";
 if (analysis.companies.length > 0 || analysis.sectors.size > 0) return "good";
  return "limited";
function generateSuggestedQuestions(marketContext: any): string[] {
 const questions = [];
 if (marketContext?.companies.length > 0) {
   const company = marketContext.companies[0];
   questions.push (
      'Can you analyze ${company.name}'s recent performance?',
      'How does ${company.name} compare to its competitors?'
   );
 if (marketContext?.sectors.length > 0) {
   const sector = marketContext.sectors[0];
   questions.push(
      'What's your outlook for the ${sector} sector?',
      'Which are the top companies in the ${sector} sector?'
```

if (questions.length < 2) {</pre>

questions.push (

/Users/abdulazizdot/Desktop/customer-suppaget-4agefnt4/app/api/chat/route.ts

```
"What are the key trends in the Saudi market today?",
   "Which sectors are showing strong growth potential?",
   "What are the major market movers today?"
);
}

return questions.slice(0, 3);
}

function determineUserMood(message: string): "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 (text.includes('thank') || text.includes('good')) return 'positive';
   if (text.includes('bad') || text.includes('poor')) return 'negative';

return 'neutral';
}
```

```
// /app/market/saudiMarketHandler.ts
import { API_KEY, API_URL, SAUDI_SYMBOLS, SAUDI_MARKET } from '@/app/config/market';
import { MarketValidation } from './services/marketValidation';
import { MarketQuality } from './services/marketQuality';
import { MarketDataQuality } from './types/marketTypes';
export class SaudiMarketHandler {
 private static readonly ENDPOINTS = {
   QUOTE: (symbol: string) => \'quote?symbol=${symbol}&apikey=${API_KEY} \'
   STATISTICS: (symbol: string) => '/statistics?symbol=${symbol}&apikey=${API_KEY}',
   INCOME: (symbol: string) => '/income_statement?symbol=${symbol}&period=quarterly&apikey=${API_KEY}',
   BALANCE: (symbol: string) => \balance_sheet?symbol=${symbol}&period=quarterly&apikey=${API_KEY}',
   CASH_FLOW: (symbol: string) => '/cash_flow?symbol=${symbol}&period=quarterly&apikey=${API_KEY}}
 1:
 private static readonly CACHE_DURATION = 300000; // 5 minutes
 private static cache = new Map<string, { data: any; timestamp: number }>();
 private static async fetchWithCache(endpoint: string): Promise<any> {
     const url = '${API_URL}${endpoint}';
     const cached = this.cache.get(url);
      if (cached && Date.now() - cached.timestamp < this.CACHE_DURATION) {
       return cached.data:
      console.log('Fetching URL:', url);
     const response = await fetch(url);
     if (!response.ok) {
       throw new Error('HTTP error! status: ${response.status}');
     const data = await response.json();
     if (data.status === 'error') {
       throw new Error(data.message |  'API Error');
      this.cache.set(url, {
       data.
        timestamp: Date.now()
     return data;
   } catch (error) {
      console.error('Fetch error:', error);
      const cached = this.cache.get(endpoint);
      if (cached) {
       console.log('Using cached data due to fetch error');
       return cached.data;
      return null:
 private static async getFundamentals(symbol: string): Promise<any> {
      const [statistics, incomeStatement, balanceSheet, cashFlow] = await Promise.all([
       this.fetchWithCache(this.ENDPOINTS.STATISTICS(symbol)),
       this.fetchWithCache(this.ENDPOINTS.INCOME(symbol)),
        this.fetchWithCache (this.ENDPOINTS.BALANCE (symbol))
       this.fetchWithCache(this.ENDPOINTS.CASH_FLOW(symbol))
     1);
     return {
       statistics,
        incomeStatement,
       balanceSheet.
       cashFlow
     console.error(`Error fetching fundamentals for ${symbol}:', error);
      return null:
  static async getQuoteData(symbol: string): Promise<any> {
   try {
     const formattedSymbol = this.formatTadawulSymbol(symbol);
      const stockInfo = SAUDI_SYMBOLS.find(s =>
       s.symbol === formattedSymbol ||
       s.tickerSymbol === symbol
      );
```

```
if (!stockInfo) {
     return null;
    const quoteData = await this.fetchWithCache(this.ENDPOINTS.QUOTE(formattedSymbol));
   if (!quoteData) {
     return null;
    // Make fundamentals optional and don't let it block the main response
    const fundamentals = await this.getFundamentals(formattedSymbol)
      .catch(() => null);
    return {
      symbol: stockInfo.tickerSymbol,
      name: stockInfo.name,
      name_ar: stockInfo.name_ar,
      price: this.safeParseNumber(quoteData.close | quoteData.price),
      change: this.safeParseNumber(quoteData.change),
      percent_change: this.safeParseNumber(quoteData.percent_change),
      volume: this.safeParseNumber(quoteData.volume),
      timestamp: this.formatTimestamp(quoteData.timestamp),
      sector: stockInfo.sector,
      trading_info: {
        open: this.safeParseNumber(quoteData.open),
       high: this.safeParseNumber(quoteData.high),
       low: this.safeParseNumber(quoteData.low),
        previous_close: this.safeParseNumber(quoteData.previous_close),
        is_market_open: quoteData.is_market_open || false,
        fifty_two_week: quoteData.fifty_two_week
      fundamentals: fundamentals
  } catch (error) {
    console.error(`Error fetching quote for ${symbol}:', error);
    return null:
static async analyzeMentionedCompanies(text: string): Promise<{</pre>
  companies: anv[]:
  sectors: Set<string>:
 try {
   console.log('Analyzing text for company mentions:', text);
   const mentionedStocks = SAUDI_SYMBOLS.filter(stock => {
      const nameMatch = stock.name && text.toLowerCase().includes(stock.name.toLowerCase());
      const tickerMatch = stock.tickerSymbol && text.includes(stock.tickerSymbol);
      const arabicMatch = stock.name_ar && text.includes(stock.name_ar);
     return nameMatch | tickerMatch | arabicMatch;
    console.log('Found mentioned stocks:', mentionedStocks.length);
    if (mentionedStocks.length === 0) {
      return {
       companies: [],
        sectors: new Set<string>()
      1:
    const quotesPromises = mentionedStocks.map(async (stock) => {
       return await this.getOuoteData(stock.tickerSvmbol);
      } catch (error) {
       console.error(`Error fetching data for ${stock.tickerSymbol}:', error);
        return null;
    1);
    const quotes = (await Promise.all(quotesPromises))
      .filter(quote => quote !== null);
    console.log('Successfully fetched data for', quotes.length, 'companies');
    return {
      companies: quotes,
      sectors: new Set(mentionedStocks.map(stock => stock.sector))
  } catch (error) {
    console.error('Error analyzing mentioned companies:', error);
    return {
     companies: [],
      sectors: new Set<string>()
    };
```

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```
}

private static formatTadawulSymbol(symbol: string): string {
   const cleanSymbol = symbol.replace(/\.(SAU|TADAWUL)$/, '');
   return '${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 formatTimestamp(timestamp?: number | string): string {
   if (!timestamp) return new Date().toISOString();
   if (typeof timestamp === 'number') {
      return new Date(timestamp * 1000).toISOString();
   }
   return timestamp;
}
```

/Users/abdulazizdot/Desktop/customer-suppaget-lagefntl/app/market/types/marketTypes.ts

// /app/market/types/marketTypes.ts

```
export interface ValidationResult {
    isValid: boolean;
    score: number;
    timestamp: string;
   issues: string[];
    warnings: string[];
  export interface MarketDataQuality {
    freshness: {
     lastUpdate: string;
      isStale: boolean;
     age: number;
    validation: {
     price: ValidationResult;
      volume: ValidationResult;
     fundamentals?: ValidationResult;
    reliability: {
     dataCompleteness: number;
      sourceQuality: number;
     overallScore: number;
   };
  export interface MarketError {
    code: string;
   message: string;
   severity: 'critical' | 'warning' | 'info';
timestamp: string;
    context?: any;
```

/Users/abdulazizdot/Desktop/customer-suppaget-lagefntl/app/market/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;
    };
```

```
// /app/market/services/marketValidation.ts
import { ValidationResult } from '../types//marketTypes';
export class MarketValidation {
 private static readonly RULES = {
   PRICE: {
     MAX_DAILY_CHANGE: 0.20, // 20%
      MIN_PRICE: 0.01,
     MAX_PRICE: 10000
    VOLUME: {
     MIN_DAILY_VOLUME: 100,
      MAX_SPIKE: 1000 // 1000% increase from average
    FUNDAMENTALS: {
     MAX_PE_RATIO: 200,
     MIN_MARKET_CAP: 1000000,
     MAX_DEBT_EQUITY: 5
 };
  static validatePrice(
    currentPrice: number,
    previousClose: number,
    lastUpdate: string
 ): ValidationResult {
    const issues: string[] = [];
    const warnings: string[] = [];
    let score = 100;
    // Check price range
    if (currentPrice < this.RULES.PRICE.MIN_PRICE) {</pre>
      issues.push('Price too low: ${currentPrice}');
    if (currentPrice > this.RULES.PRICE.MAX_PRICE) {
     issues.push('Price too high: ${currentPrice}');
      score -= 30;
    // Check price change
    if (previousClose > 0) {
      const priceChange = Math.abs(currentPrice - previousClose) / previousClose;
      if (priceChange > this.RULES.PRICE.MAX_DAILY_CHANGE) {
       warnings.push('Large price change: ${(priceChange * 100).toFixed(2)}%');
       score -= 20:
    return {
     isValid: issues.length === 0,
      score: Math.max(0, score);
      timestamp: new Date().toISOString(),
      issues,
      warnings
   };
 static validateVolume(
    currentVolume: number
    averageVolume: number
  ): ValidationResult {
   const issues: string[] = [];
    const warnings: string[] = [];
    let_score = 100:
    if (currentVolume < this.RULES.VOLUME.MIN_DAILY_VOLUME) {</pre>
     issues.push('Volume too low: ${currentVolume}');
      score -= 30:
    if (averageVolume > 0) {
      const volumeSpike = currentVolume / averageVolume;
      if (volumeSpike > this.RULES.VOLUME.MAX_SPIKE) {
       warnings.push('Unusual volume spike: ${volumeSpike.toFixed(2)}x average');
        score -= 20;
    return {
      isValid: issues.length === 0,
      score: Math.max(0, score),
     timestamp: new Date().toISOString(),
      issues,
      warnings
```

/Users/abdulazizdot/Desktop/customer-suppaget2agefnt2/app/market/services/marketValidation.ts

```
};
}
static validateFundamentals(data: {
  peRatio?: number;
  marketCap?: number;
  debtEquity?: number;
}): ValidationResult {
  const issues: string[] = [];
  const warnings: string[] = [];
  let score = 100;
  if (data.peRatio && data.peRatio > this.RULES.FUNDAMENTALS.MAX_PE_RATIO) {
    warnings.push('High P/E ratio: ${data.peRatio}');
  if (data.marketCap && data.marketCap < this.RULES.FUNDAMENTALS.MIN_MARKET_CAP) {
    issues.push('Low market cap: ${data.marketCap}');
  if (data.debtEquity && data.debtEquity > this.RULES.FUNDAMENTALS.MAX_DEBT_EQUITY) {
   warnings.push('High debt/equity ratio: ${data.debtEquity}');
  return {
   isValid: issues.length === 0,
    score: Math.max(0, score),
    timestamp: new Date().toISOString(),
    issues,
    warnings
  } ;
}
```

```
// /app/market/services/marketQuality.ts
import { MarketDataQuality, ValidationResult } from '../types/marketTypes';
export class MarketQuality {
 private static readonly MAX_DATA_AGE = 300000; // 5 minutes
  static assessDataQuality(
   priceValidation: ValidationResult,
    volumeValidation: ValidationResult,
    fundamentalsValidation: ValidationResult | undefined,
    lastUpdate: string
  ): MarketDataQuality {
    // Calculate data freshness
    const freshness = this.calculateFreshness(lastUpdate);
    // Calculate reliability scores
    const reliability = this.calculateReliability(
      priceValidation,
      volumeValidation,
      fundamentals Validation,
      freshness
    );
    return {
      freshness,
      validation: {
       price: priceValidation,
        volume: volumeValidation,
       fundamentals: fundamentalsValidation
      reliability
    };
  }
 private static calculateFreshness(lastUpdate: string): {
    lastUpdate: string;
    isStale: boolean;
    age: number;
    const now = Date.now();
    const updateTime = new Date(lastUpdate).getTime();
const age = now - updateTime;
    return {
      lastUpdate,
      isStale: age > this.MAX_DATA_AGE,
    };
 private static calculateReliability(
    priceValidation: ValidationResult,
    volumeValidation: ValidationResult,
    fundamentals Validation: Validation Result | undefined,
    freshness: { isStale: boolean; age: number }
 ): {
    dataCompleteness: number;
    sourceQuality: number;
    overallScore: number;
  }
    let dataCompleteness = 100;
    // Reduce completeness score for missing or invalid data
    if (!priceValidation.isValid) dataCompleteness -= 40;
    if (!volumeValidation.isValid) dataCompleteness -= 30;
    if (!fundamentalsValidation) dataCompleteness -= 20;
    // Calculate source quality based on validation scores
    const sourceOuality = (
      priceValidation.score * 0.4 +
      volumeValidation.score * 0.3 +
      (fundamentalsValidation?.score | 0) * 0.3
    // Calculate overall score
    let overallScore = (
      dataCompleteness * 0.3 +
      sourceQuality * 0.4 +
      (freshness.isStale ? 50 : 100) * 0.3
    // Ensure scores are within bounds
    return {
      dataCompleteness: Math.max(0, Math.min(100, dataCompleteness)),
      sourceQuality: Math.max(0, Math.min(100, sourceQuality)),
```

```
/Users/abdulazizdot/Desktop/customer-suppaget-2agen2/app/market/services/marketQuality.ts
```

```
overallScore: Math.max(0, Math.min(100, overallScore))
};
}
```

/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-suppaget1agefnt2/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;
```