## **9-1元件清單及規格描述**

9-1-1前端元件清單及規格描述

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| 程式名稱 | 功能說明 |
| Login.vue | 登入畫面 |
| <template>  <div class="login">  <div class="header">  <img class="img" src="../assets/logo1.jpg" alt="logo" />  </div>  <h2>登入</h2>  <form @submit.prevent="login" id="loginForm" class="input-container">  <div class="form-group">  <label for="loginAccount">帳號</label>  <input type="text" id="loginAccount" v-model="account" required />  </div>  <div class="form-group">  <label for="loginPassword">密碼</label>  <input :type="passwordVisible ? 'text' : 'password'" id="loginPassword" v-model="password" required />  <button type="button" @click="togglePasswordVisibility" class="toggle-password">  <span v-if="passwordVisible">👀</span>  <span v-else>🙈</span>  </button>  </div>  <button type="submit" class="button">登入</button>  </form>  <router-link to="/register" class="btn">註冊</router-link>  <br />  <router-link to="/forgot-password" class="forgot-password-link">忘記密碼?</router-link>  <!-- 错误消息 -->  <p v-if="errorMessage" class="error">{{ errorMessage }}</p>  </div>  </template>  <script>  import { mapActions } from 'vuex';  export default {  name: 'UserLogin',  data() {  return {  account: '',  password: '',  passwordVisible: false,  errorMessage: '', // 用于显示错误消息  };  },  methods: {  ...mapActions({  loginUser: 'login', // 映射 Vuex Store 的 login action 为 loginUser  }),  async login() {  try {  console.log('Trying to login with:', this.account, this.password); // 调试输出  // 调用 Vuex Store 中的 login 方法  await this.loginUser({ username: this.account, password: this.password });  console.log('Login successful'); // 调试输出  alert('登入成功！');  this.$router.push('/home'); // 跳转到主页  } catch (error) {  // 处理登录失败的情况  this.errorMessage = '登入失败，请检查您的用户名和密码。';  console.error('Login failed:', error);  }  },  togglePasswordVisibility() {  this.passwordVisible = !this.passwordVisible;  },  resetForm() {  this.account = '';  this.password = '';  this.errorMessage = ''; // 清空错误消息  },  },  };  </script> | |

9-1-2前端元件清單及規格描述

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| 程式名稱 | 功能說明 |
| Register.vue | 註冊畫面 |
| <template>  <div class="register">  <h2>註冊</h2>  <form @submit.prevent="register" class="input-container">  <div class="form-group">  <label for="username">帳號</label>  <input type="text" id="username" v-model="username" required>  </div>  <div class="form-group">  <label for="email">信箱</label>  <input type="email" id="email" v-model="email" required>  </div>  <div class="form-group">  <label for="password">密碼</label>  <input type="password" id="password" v-model="password" required>  </div>  <div class="form-group">  <label for="gender">性別</label>  <select id="gender" v-model="gender" required>  <option value="male">男</option>  <option value="female">女</option>  <option value="other">其他</option>  </select>  </div>  <button type="submit" class="reg">註冊</button>  </form>  <router-link to="/" class="login">返回登入</router-link>  </div>  </template>  <script>  import { mapActions } from 'vuex';  export default {  name: 'UserRegister',  data() {  return {  username: '',  email: '',  password: '',  gender: ''  };  },  methods: {  ...mapActions(['setUser']),  register() {  const data = {  username: this.username,  email: this.email,  password: this.password,  gender: this.gender  };  fetch('http://172.16.66.118:8000/USER/register', {  method: 'POST',  headers: {  'Content-Type': 'application/json'  },  body: JSON.stringify(data)  })  .then(response => {  if (!response.ok) {  throw new Error('註冊請求失敗');  }  return response.json();  })  .then(data => {  console.log('Success:', data);  if (data.message === "註冊成功") {  alert('註冊成功！');  this.setUser({  username: this.username,  email: this.email,  password: this.password,  gender: this.gender  });  this.$router.push('/profile');  } else {  alert('註冊失敗，請重新輸入');  this.resetForm();  }  })  .catch(error => {  console.error('Error:', error);  alert('註冊失敗，請稍後再試。');  this.resetForm();  });  },  resetForm() {  this.username = '';  this.email = '';  this.password = '';  this.gender = '';  }  }  };  </script> | |

9-1-3前端元件清單及規格描述

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| 程式名稱 | 功能說明 |
| ForgotPassword.忘記密碼.vue | 忘記密碼 |
| <template>  <div class="forgot-password-container">  <h1>找回密碼</h1>  <form @submit.prevent="submitEmail">  <input type="email" v-model="email" placeholder="請輸入你的電子郵件" required>  <button type="submit">提交</button>  </form>  <h1>輸入驗證碼</h1>  <form @submit.prevent="submitText">  <input type="text" v-model="verificationCode" placeholder="請輸入你的驗證碼" required>  <button type="submit">提交</button>  </form>  <!-- Return to Login Button -->  <button @click="returnToLogin" class="return-button">返回登入頁面</button>  </div>  </template>  <script>  export default {  data() {  return {  email: '',  verificationCode: ''  };  },  methods: {  submitEmail() {  // 發送電子郵件的邏輯  alert(`如果 ${this.email} 在我們的系統中，我們將發送一個重設密碼的鏈接到該郵箱。`);  },  submitText() {  // 提交驗證碼的邏輯  alert(`你已提交驗證碼: ${this.verificationCode}`);  },  returnToLogin() {  // 返回登入頁面的邏輯，例如使用 Vue Router  this.$router.push('/');  }  }  };  </script> | |

9-1-4前端元件清單及規格描述

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| 程式名稱 | 功能說明 |
| Navbar.vue | 導覽列 |
| <template>  <div class="container">  <!-- 導航列 -->  <nav class="navbar">  <div class="nav-left">  <router-link to="/home" class="nav-link-home-link" :class="{ 'active-link': isActive('/home') }">  <img class="img" src="../assets/logo1.jpg" alt="logo" />  </router-link>  <router-link to="/teaching" class="nav-link" :class="{ 'active-link': isActive('/teaching') }">教學小學堂</router-link>  <router-link to="/risk" class="nav-link" :class="{ 'active-link': isActive('/risk') }">AI預測股價</router-link>  <router-link to="/news" class="nav-link" :class="{ 'active-link': isActive('/news') }">新聞</router-link>  <router-link to="/PortfolioCalculator" class="nav-link" :class="{ 'active-link': isActive('/PortfolioCalculator') }">投資組合計算器</router-link>  <router-link to="/StockTracker" class="nav-link" :class="{ 'active-link': isActive('/StockTracker') }">股票價格追蹤</router-link>  </div>  <div class="nav-right">  <!-- 收藏股票下拉列表 -->  <div class="dropdown" @click="toggleDropdown">  <span class="nav-link">收藏股票</span>  <span :class="{'dropdown-arrow': true, 'open': dropdownOpen}"></span>  <div class="dropdown-content" v-if="dropdownOpen">  <router-link v-for="stock in favoriteStocks" :key="stock.id" :to="`/stock/${stock.id}`" class="dropdown-item">  {{ stock.name }}  </router-link>  </div>  </div>  <router-link to="/profile" class="nav-link" :class="{ 'active-link': isActive('/profile') }">個人資訊</router-link>  <router-link to="/logout" class="nav-link" :class="{ 'active-link': isActive('/logout') }">登出</router-link>  </div>  </nav>  <!-- 搜尋結果 -->  <div class="search-results" v-if="searchResults.length">  <ul>  <li v-for="result in searchResults" :key="result">{{ result }}</li>  </ul>  </div>  </div>  </template>  <script>  export default {  name: 'NavbarForm',  data() {  return {  dropdownOpen: false,  searchQuery: '',  searchResults: [],  favoriteStocks: this.getFavoriteStocks(), // 从 localStorage 获取收藏的股票  };  },  methods: {  toggleDropdown() {  this.dropdownOpen = !this.dropdownOpen;  },  isActive(route) {  return this.$route.path === route;  },  searchContent() {  if (this.searchQuery.trim() === '') {  this.searchResults = [];  return;  }  const query = this.searchQuery.toLowerCase();  const content = [  '個股資訊',  '教學小學堂',  '風險評估',  '新聞',  '討論區',  '個人資訊',  '登出'  ];  this.searchResults = content.filter(item => item.toLowerCase().includes(query));  },  getFavoriteStocks() {  // 从 localStorage 获取收藏的股票列表  let storedStocks = JSON.parse(localStorage.getItem('favoriteStocks')) || [];  // 映射为包含 id 和 name 的对象，以便在下拉列表中显示  return storedStocks.map(stockCode => ({ id: stockCode, name: `${stockCode} ` }));  },  },  watch: {  // 监听路由变化  '$route'() {  this.favoriteStocks = this.getFavoriteStocks(); // 每次路由变化时更新收藏列表  }  },  mounted() {  // 监听页面加载时更新收藏列表  window.addEventListener('storage', () => {  this.favoriteStocks = this.getFavoriteStocks();  });  },  };  </script> | |

9-1-5前端元件清單及規格描述

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| 程式名稱 | 功能說明 |
| Home.vue | 主頁 |
| <template>  <div class="container">  <!-- Top Section: Website Introduction and Search -->  <header class="header">  <!-- Website Introduction -->  <section>  <h1>歡迎來到投資之AI應用學習</h1>  <p>  本平台提供上市公司的詳細資訊，有金融保險、半導體、航運、電腦及週邊設備及光電產業，助您做出明智的投資決策。  </p>  </section>  <!-- Search Feature -->  <section class="search-section">  <h2>快速搜索公司</h2>  <input type="text" v-model="searchQuery" placeholder="輸入公司名稱或股票代號" />  <button @click="searchCompany">搜索</button>  </section>  </header>  <!-- Main Content Section -->  <div class="content">  <!-- Left Sidebar: Industry Navigation -->  <aside class="sidebar">  <h2>產業類別</h2>  <ul>  <li><a href="#" @click.prevent="filterByIndustry('金融保險業')">金融保險業</a></li>  <li><a href="#" @click.prevent="filterByIndustry('半導體業')">半導體業</a></li>  <li><a href="#" @click.prevent="filterByIndustry('航運業')">航運業</a></li>  <li><a href="#" @click.prevent="filterByIndustry('電腦及週邊設備業')">電腦及週邊設備業</a></li>  <li><a href="#" @click.prevent="filterByIndustry('光電業')">光電業</a></li>  </ul>  </aside>  <!-- Right Section: Company List -->  <main class="main-content">  <section>  <h2>公司列表</h2>  <table class="company-table">  <thead>  <tr>  <th>公司名稱</th>  <th>股票代號</th>  </tr>  </thead>  <tbody>  <tr v-for="company in filteredCompanies" :key="company.stockCode">  <td>  <router-link :to="{ name: 'StockPage', params: { stockCode: company.stockCode } }" class="company">  {{ company.name }}  </router-link>  </td>  <td>{{ company.stockCode }}</td>  </tr>  </tbody>  </table>  </section>    </main>  </div>  </div>  </template> | |

9-1-6前端元件清單及規格描述

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| 程式名稱 | 功能說明 |
| teaching.vue | 教學小學堂 |
| <template>  <div>  <header>  <!--<img src="..\assets\S\_\_3579960\_0-removebg-preview.png" alt="金融資訊網站標誌" />-->  <div class="separator"></div>  <div class="header-text">  <h1>投資學習之AI應用</h1>  <h1>新手小學堂</h1>  </div>  </header>  <main>  <!-- 1. 股票入門必看基礎 -->  <section id="intro" class="gray-section">  <h2>一、股票入門必看基礎</h2>  <div class="text-block1">  <h3>1.什麼是股票?</h3>  <p>  股票是公司發行的股份，代表持有人擁有公司的一部分權益。當你購買公司的股票時，你實際上成為了該公司的部分所有者。  </p>  </div>  <h3>2.股票入門基礎知識</h3>  <div class="card-container">  <div class="card" id="code">  <p>股票代碼</p>  <div class="card-content">  <p>  股票代碼（Stock Symbol），又稱股票代號，是用來標識特定公司的簡短字母或數字組合。每家上市公司的股票都有一個唯一的股票代碼，用於在證券交易所進行交易。  </p>  </div>  </div>  <div class="card" id="price">  <p>股票價格</p>  <div class="card-content">  <p>  看盤時我們所看到的是股票單價，也就是每一股的價格。而股票的成交價通常是由市場的買方、賣方共同決定，但不像房屋交易那樣會有房屋仲介媒合，股票通常是由證券交易所的電腦系統進行撮合。  </p>  </div>  </div>  <div class="card" id="time">  <p>股票交易時間</p>  <div class="card-content">  <p>  股票市場並非24小時都開放，通常會有指定開放交易的時間。以台灣為例，股票市場的交易時間為每週一至週五的9:00～13:30，盤後定價交易時間為14:00～14:30，而零股盤後交易時間為13:40～14:30。  </p>  </div>  </div>  </div>  </section>    <!-- 2. 認識台灣股票市場 -->  <section id="market" class="beige-section">  <h2>二、認識台灣股票市場</h2>  <div class="grid-container">  <div class="grid-item left" id="item1">  <h3>01 股票買賣單位</h3>  <p>  ● 張：台灣股票市場中，股票的基本買賣單位是一張，每張股票代表1000股。  </p>  <p>  ● 零股：如果投資者希望買賣少於一張（即1000股）的股票，可以通過零股交易進行，選擇購買1～999股。零股交易通常在盤後進行。  </p>  </div>  <div class="grid-item right" id="item2">  <h3>02 上市、上櫃、興櫃</h3>  <p>  世界各國的股票市場大致分為上市、上櫃、興櫃三種，台灣股市也不例外。最簡單區分上市、上櫃、興櫃的方法是觀察「最低實收資本額」，興櫃公司若高於門檻就能往上櫃前進，以此類推。  </p>  </div>  <div class="grid-item center" id="item3">  <h3>03 三大法人</h3>  <p>  在台灣股票市場，三大法人指的是市場上主要的機構投資者，分別是外資、投信和自營商，這些法人對股市的影響力非常大。  </p>  </div>  </div>  </section> | |

9-1-7前端元件清單及規格描述

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| 程式名稱 | 功能說明 |
| news.vue | 新聞 |
| <template>  <div class="news-and-cloud">  <div class="news-section">  <h1>新聞區</h1>  <!-- 添加兩個按鈕 -->  <div class="news-buttons">  <button :class="{ 'active': selectedNews === 'domestic' }" @click="showNews('domestic')">國內新聞</button>  <button :class="{ 'active': selectedNews === 'international' }" @click="showNews('international')">國外新聞</button>  </div>  <!-- 根據 selectedNews 顯示新聞 -->  <div v-if="selectedNews === 'domestic'">  <div class="news-card">  <h3><a href="https://news.cnyes.com/news/id/5585734" target="\_blank" rel="noopener noreferrer"  class="newstit">《價值型投資 最新產業研究報告》COMPUTEX 2024正式起跑 輝達執行長黃仁勳先行點名圓剛</a></h3>  <p>摘要:無</p>  <P>發布時間:2024-06-04 14:02:26</P>  <span class="positive">關鍵字: ['蔡慶龍', '價值型投資', '圓剛', '主流績優股', '趨勢分析', '摩爾投顧']</span>  </div>  <div class="news-card">  <h3><a href="https://news.cnyes.com/news/id/5585713" target="\_blank" rel="noopener noreferrer"  class="newstit">〈台股盤後〉輝達夥伴、權值股漲累了 回檔修正跌180點收21356點</a></h3>  <p>摘要:台股昨 (3) 日大漲超過 300 點，今 (4) 日開高走低回檔修正，跌逾 200 點，權值股以及輝達 (NVDA-US) 供應鏈夥伴普遍走弱，終場跌 180.14 點或 0.84%，以 21356.62 點作收，成交量 4419.57 億元。</p>  <P>發布時間:2024-06-04 14:03:20</P>  <span class="positive">關鍵字:['台股盤後', '台積電', '輝達', 'AI']</span>  </div>  <div class="news-card">  <h3><a href="https://news.cnyes.com/news/id/5585672" target="\_blank" rel="noopener noreferrer"  class="newstit">〈COMPUTEX〉廣運在智慧倉儲系統接單強勁 估將超越逾50%營收比重</a></h3>  <p>摘要:除新一代水冷散熱系統及半導體自動化設備之外，廣運 (6125-TW) 今 (4) 日出席台北 COMPUTEX 展，總經理柯智鈞也對包含客製化工廠自動化生產線、自動倉儲系統、電商物流發貨中心等的大量接單表示樂觀。</p>  <P>發布時間:2024-06-04 13:12:25</P>  <span class="positive">關鍵字:['廣運', '鴻海', '巨大', 'COMPUTEX']</span>  </div>  <div class="news-card">  <h3><a href="https://news.cnyes.com/news/id/5585671" target="\_blank" rel="noopener noreferrer"  class="newstit">〈COMPUTEX〉黃仁勳參訪鴻佰攤位 稱鴻海是輝達GB200最重要合作夥伴</a></h3>  <p>摘要:黃仁勳參訪鴻佰攤位 稱鴻海是輝達 GB200 最重要的合作夥伴</p>  <P>發布時間:2024-06-04 13:48:44</P>  <span class="positive">關鍵字:['輝達', '黃仁勳', '鴻海', '鴻佰', 'GB200']</span>  </div>  <div class="news-card">  <h3><a href="https://news.cnyes.com/news/id/5585651" target="\_blank" rel="noopener noreferrer"  class="newstit">〈COMPUTEX〉長榮航攜手貿協參展 擴大爭取企業戶</a></h3>  <p>摘要:長榮航與外貿協會攜手參加電腦展 擴大爭取企業戶</p>  <P>發布時間:2024-06-04 12:58:21</P>  <span class="positive">關鍵字:['長榮航', '外貿協會', 'computex', '電腦展']</span>  </div>  <div class="news-card">  <h3><a href="https://news.cnyes.com/news/id/5585620" target="\_blank" rel="noopener noreferrer"  class="newstit">鉅亨速報 - Factset 最新調查：和碩(4938-TW)目標價調升至93.5元，幅度約3.21%</a></h3>  <p>摘要:FactSet 最新調查：和碩(4938-TW)目標價調升，最高估值、最低估值、中位數、綜合評級、近5日股價、大盤表現、即時新聞資訊。</p>  <P>發布時間:2024-06-04 13:00:45</P>  <span class="positive">關鍵字:['AI', '求職', '1111']</span>  </div>  <div class="news-card">  <h3><a href="https://news.cnyes.com/news/id/5585573" target="\_blank" rel="noopener noreferrer"  class="newstit">〈COMPUTEX〉輝達未來5年在台設立研發中心 黃仁勳：這三地是選項</a></h3>  <p>摘要:輝達 (NVDA-US) 執行長黃仁勳今 (4) 日到 COMPUTEX 與供應鏈夥伴們會面，黃仁勳接受媒體訪問談到未來 5 年將在台灣設立、投資研發中心，黃仁勳強調，台灣已經輝達很大的基地，同時也透露台北、台南以及高雄都會是選項。</p>  <P>發布時間:2024-06-04 12:16:07</P>  <span class="positive">關鍵字:['黃仁勳', 'AI', '伺服器', 'COMPUTEX']</span>  </div>  <div class="news-card">  <h3><a href="https://news.cnyes.com/news/id/5585542" target="\_blank" rel="noopener noreferrer"  class="newstit">廣運籌資擬發行 6 億元無擔保CB明起競拍 6/21掛牌</a></h3>  <p>摘要:廣運業績可望升同時，廣運向金管會送件辦理發行 1 萬張的現增股，同時，擬發行 6 億元的無擔保可轉換公司債 (CB) 已經申報生效，其中，擬發行 CB 籌資案完成訂價，轉換價訂為 114 元。</p>  <P>發布時間:2024-06-04 11:48:37</P>  <span class="positive">關鍵字:['廣運', '辛耘', 'CB', '籌資']</span>  </div>  <div class="news-card">  <h3><a href="https://news.cnyes.com/news/id/5585540" target="\_blank" rel="noopener noreferrer"  class="newstit">Gogoro獲潤泰注資5000萬美元 推展全球業務</a></h3>  <p>摘要:Gogoro 獲潤泰注資 5000 萬美元 推展全球業務</p>  <P>發布時間:2024-06-04 11:40:03</P>  <span class="positive">關鍵字:['gogoro', '潤泰', '電動車', '充電', '機車']</span>  </div>    </div> | |

9-1-8前端元件清單及規格描述

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| 程式名稱 | 功能說明 |
| StockTracker.vue | 價格股價通知 |
| <template>  <div class="stock-tracker">  <h2>股票價格追蹤</h2>  <form @submit.prevent="trackStock">  <!-- 下拉選單 -->  <div class="form-group">  <label for="ticker">股票代碼</label><br>  <select id="ticker" v-model="ticker">  <option value="" disabled selected>選擇股票代碼</option>  <option v-for="(name, code) in stocks" :key="code" :value="code">  {{ code }} - {{ name }}  </option>  </select><br>  </div>  <!-- 自定義股票代碼輸入框 -->  <div class="form-group">  <label for="customTicker">自定義股票代碼</label><br>  <input type="text" id="customTicker" v-model="customTicker" placeholder="輸入股票代碼"><br>  </div>  <!-- 目標價格輸入框 -->  <div class="form-group">  <label for="targetPrice">目標價格</label><br>  <input type="number" id="targetPrice" v-model="targetPrice"><br>  </div>  <!-- 使用者電子郵件輸入框 -->  <div class="form-group">  <label for="userEmail">電子郵件</label><br>  <input type="email" id="userEmail" v-model="userEmail" placeholder="輸入您的電子郵件"><br>  </div>  <!-- LINE Notify Token 輸入框 -->  <div class="form-group">  <label for="lineNotifyToken">LINE Notify Token</label><br>  <input type="text" id="lineNotifyToken" v-model="lineNotifyToken" placeholder="輸入您的 LINE Notify Token"><br>  <a :href="url" target="\_blank">{{ linkText }}</a>  </div>  <button type="submit">追蹤股價</button>  </form>  <p>{{ responseMessage }}</p>  <!-- 排行選擇按鈕 -->  <div class="ranking-buttons">  <button  @click="setSortType('volume')"  :class="{ active: sortType === 'volume' }"  >交易量排行</button>  <button  @click="setSortType('eps')"  :class="{ active: sortType === 'eps' }"  >EPS 成長率排行</button>  <button  @click="setSortType('changePercentage')"  :class="{ active: sortType === 'changePercentage' }"  >漲跌幅排行</button>  <button  @click="setSortType('institutionalVolume')"  :class="{ active: sortType === 'institutionalVolume' }"  >三大法人交易量排行</button>  </div> | |

9-1-9前端元件清單及規格描述

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| --- | --- |
| 程式名稱 | 功能說明 |
| stock.vue | 公司基本資料 |
| <template>  <div class="company-details-container">  <!-- Loading Spinner -->  <div v-if="loading" class="loading">  加載中...  </div>  <!-- Company Information Section -->  <div v-if="companyInfo" class="company-info">  <h2>  <span class="company-name">  {{ companyInfo.company\_name }}  <!-- 添加收藏星號 -->  <button @click="toggleFavorite" class="favorite-button">  <span v-if="isFavorite">&#9733;</span> <!-- 已收藏的星號 -->  <span v-else>&#9734;</span> <!-- 未收藏的星號 -->  </button>  </span>    </h2>  <p><strong>股票代號:</strong> {{ companyInfo.stock\_code }}</p>  <p><strong>公司名稱:</strong> {{ companyInfo.company\_name }}</p>  <p><strong>產業類別:</strong> {{ companyInfo.industry }}</p>  <p><strong>地址:</strong> {{ companyInfo.address }}</p>  <p><strong>董事長:</strong> {{ companyInfo.chairman }}</p>  <p><strong>成立時間:</strong> {{ companyInfo.founded\_date }}</p>  <p><strong>上市日期:</strong> {{ companyInfo.listed\_date }}</p>  <p><strong>普通股每股面額:</strong> {{ companyInfo.par\_value\_per\_share }}</p>  <p><strong>實收資本額(元):</strong> {{ companyInfo.paid\_in\_capital }}</p>  <p><strong>已發行普通股數或TDR原發行股數:</strong> {{ companyInfo.total\_shares\_issued }}</p>  <p><strong>公司網址:</strong> <a :href="companyInfo.website" target="\_blank">{{ companyInfo.website }}</a></p>  </div>  <!-- Historical Stock Price Section -->  <div v-if="historicalData" class="historical-data">  <h2>{{ companyInfo.company\_name }} 歷史股價</h2>  <table class="price-table">  <thead>  <tr>  <th>日期</th>  <th>開盤價</th>  <th>收盤價</th>  <th>最高價</th>  <th>最低價</th>  </tr>  </thead>  <tbody>  <tr v-for="data in historicalData" :key="data.date">  <td>{{ data.date }}</td>  <td>{{ data.open }}</td>  <td>{{ data.close }}</td>  <td>{{ data.high }}</td>  <td>{{ data.low }}</td>  </tr>  </tbody>  </table>  </div> | |

9-1-10前端元件清單及規格描述

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| 程式名稱 | 功能說明 |
| risk.vue | AI預測股價 |
| <template>  <div class="container">  <h1 class="title">股票預測結果</h1>  <div class="input-group">  <select v-model="selectedTicker" class="ticker-select" @change="clearPreviousData('dropdown')">  <option value="">選擇股票</option>  <option v-for="(name, code) in stockList" :key="code" :value="code">  {{ name }} ({{ code }})  </option>  </select>  <input v-model="customTicker" class="ticker-input" placeholder="或手動輸入股票代碼" @input="clearPreviousData('input')">  <button @click="getPrediction" class="predict-button">獲取預測</button>  </div>  <div v-if="currentPrice" class="current-price">  <h2>目前股價: ${{ currentPrice.toFixed(2) }}</h2>  </div>  <table v-if="predictions.length > 0" class="prediction-table">  <thead>  <tr>  <th>日期</th>  <th>預測價格</th>  <th>下限</th>  <th>上限</th>  </tr>  </thead>  <tbody>  <tr v-for="prediction in predictions" :key="prediction.ds">  <td>{{ formatDate(prediction.ds) }}</td>  <td>{{ prediction.yhat.toFixed(2) }}</td>  <td>{{ prediction.yhat\_lower.toFixed(2) }}</td>  <td>{{ prediction.yhat\_upper.toFixed(2) }}</td>  </tr>  </tbody>  </table>  <div v-if="imageUrl" class="chart-container">  <h2>股票預測圖像</h2>  <img :src="imageUrl" alt="Stock Prediction Chart" class="prediction-image" />  </div>  </div>  </template> | |

9-1-11前端元件清單及規格描述

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| 程式名稱 | 功能說明 |
| PortfolioCalculator.vue | 投資組合計算器 |
| <template>  <div class="container">  <h1 class="title">投資組合計算器</h1>  <!-- Risk Assessment Section -->  <div class="risk-assessment-container">  <!-- Risk Assessment Form (Left Side) -->  <form @submit.prevent="submitRiskAssessment" class="form risk-assessment-form">  <!-- Financial Status -->  <div class="form-group">  <label>您的收入穩定性如何？</label>  <div class="radio-group">  <label><input type="radio" v-model="financialStatus" value="1" required /> 不穩定，收入可能隨時減少</label>  <label><input type="radio" v-model="financialStatus" value="2" required /> 偶爾波動，收入大致穩定</label>  <label><input type="radio" v-model="financialStatus" value="3" required /> 非常穩定，幾乎沒有波動</label>  </div>  </div>  <!-- Experience -->  <div class="form-group">  <label>您每月的收入與支出情況如何？</label>  <div class="radio-group">  <label><input type="radio" v-model="experience" value="1" required /> 每月幾乎無結餘，甚至入不敷出</label>  <label><input type="radio" v-model="experience" value="2" required /> 有少量結餘，能存下一些錢</label>  <label><input type="radio" v-model="experience" value="3" required /> 每月有較大結餘，存款穩定增加</label>  </div>  </div>  <!-- Investment Goal -->  <div class="form-group">  <label>投資目標期限：</label>  <div class="radio-group">  <label><input type="radio" v-model="investmentGoal" value="1" required /> 少於 3 年</label>  <label><input type="radio" v-model="investmentGoal" value="2" required /> 3 - 10 年</label>  <label><input type="radio" v-model="investmentGoal" value="3" required /> 超過 10 年</label>  </div>  </div>  <!-- Risk Preference -->  <div class="form-group">  <label>風險偏好：</label>  <div class="radio-group">  <label><input type="radio" v-model="riskPreference" value="1" required /> 5% 以下</label>  <label><input type="radio" v-model="riskPreference" value="2" required /> 5% - 15%</label>  <label><input type="radio" v-model="riskPreference" value="3" required /> 超過 15%</label>  </div>  </div>  <button type="submit" class="button">提交風險評估</button>  </form>  <!-- Result Display (Right Side) -->  <div v-if="riskAssessmentResult" class="result-container">  <div class="result-box">  <h2>風險評估結果</h2>  <p><strong>您的風險承受度分數是:</strong> {{ riskAssessmentResult.totalScore }}</p>  <p><strong>資產配置建議:</strong> {{ riskAssessmentResult.allocation }}</p>  </div>  </div>  </div>  <!-- Investment Details Section with Results Side by Side -->  <div class="investment-container">  <!-- Investment Form (Left Side) -->  <div class="investment-form">  <form @submit.prevent="submitInvestmentDetails" class="form investment-details-form">  <div class="form-group">  <label for="investmentAmount">投資金額：</label>  <input type="number" v-model="investmentAmount" required class="input" placeholder="請輸入投資金額" />  </div>  <!-- 股票選擇 -->  <div v-for="(ticker, index) in selectedTickers" :key="index" class="form-group ticker-row">  <label>{{ availableTickers[ticker] }} ({{ ticker }}) 投資比例 (0-1)：</label>  <div class="ticker-input-group">  <input type="number" v-model="proportions[ticker]" min="0" max="1" step="0.01" required class="input" />  <button type="button" @click="removeTicker(ticker)" class="delete-button">×</button>  </div>  </div>  <div class="form-group">  <label>選擇股票：</label>  <select v-model="selectedTicker" @change="addTicker" class="input">  <option disabled value="">請選擇股票</option>  <option v-for="(name, ticker) in availableTickers" :key="ticker" :value="ticker">  {{ name }} ({{ ticker }})  </option>  </select>  </div>  <button type="submit" class="button">提交投資組合</button>  </form>  </div>  <!-- Investment Calculation Result and Stock Details (Right Side) -->  <div class="result-container">  <div v-if="investmentResult && Object.keys(investmentResult).length > 0" class="result-box">  <h2>投資計算結果</h2>  <p><strong>投資組合的風險 (波動性):</strong> {{ formatNumber(investmentResult.portfolio\_volatility\_percentage) }}%</p>  <p><strong>預期年回報率:</strong> {{ formatNumber(investmentResult.portfolio\_return\_percentage) }}%</p>  <p><strong>可能的最大損失:</strong> {{ formatNumber(investmentResult.potential\_loss) }} 元</p>  <p><strong>預期年收益:</strong> {{ formatNumber(investmentResult.expected\_gain) }} 元</p>  <p><strong>VaR (風險價值) 百分比:</strong> {{ formatNumber(investmentResult.var\_percentage) }}%</p>  <p><strong>VaR (風險價值) 金額:</strong> {{ formatNumber(investmentResult.var\_amount) }} 元</p>  </div>  <!-- Stock Details -->  <div v-if="investmentResult.detailed\_analysis && Object.keys(investmentResult.detailed\_analysis).length > 0">  <div v-for="(analysis, ticker) in investmentResult.detailed\_analysis" :key="ticker" class="stock-details">  <h3>{{ analysis.company\_name }} ({{ ticker }})</h3>  <p><strong>即時股價:</strong> {{ formatNumber(analysis.current\_price) }}</p>  <h4>技術分析</h4>  <ul class="no-bullets">  <li><strong>RSI:</strong> {{ formatNumber(analysis.technical\_analysis.RSI) }}</li>  <li><strong>MA 50:</strong> {{ formatNumber(analysis.technical\_analysis.MA\_50) }}</li>  <li><strong>MA 200:</strong> {{ formatNumber(analysis.technical\_analysis.MA\_200) }}</li>  <li><strong>MACD:</strong> {{ formatNumber(analysis.technical\_analysis.MACD) }}</li>  <li><strong>MACD Signal:</strong> {{ formatNumber(analysis.technical\_analysis.MACD\_signal) }}</li>  <li><strong>Stochastic K:</strong> {{ formatNumber(analysis.technical\_analysis.Stochastic\_K) }}</li>  <li><strong>Stochastic D:</strong> {{ formatNumber(analysis.technical\_analysis.Stochastic\_D) }}</li>  </ul>  <h4>財務數據</h4>  <ul class="no-bullets">  <li><strong>市值:</strong> {{ formatNumber(analysis.financials.market\_cap) }}</li>  <li><strong>本益比:</strong> {{ formatNumber(analysis.financials.price\_to\_earnings) }}</li>  <li><strong>營收:</strong> {{ formatNumber(analysis.financials.revenue) }}</li>  <li><strong>毛利:</strong> {{ formatNumber(analysis.financials.gross\_profit) }}</li>  <li><strong>負債比:</strong> {{ formatNumber(analysis.financials.debt\_to\_equity) }}</li>  </ul>  </div>  </div>  </div>  </div>  </div>  </template> | |

9-1-12前端元件清單及規格描述

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| 程式名稱 | 功能說明 |
| Chat.vue | AI問答機器人 |
| <template>  <div class="chat-form">  <div class="logo-container" @click="toggleChat">  <img src="../assets/logo1.jpg" alt="Logo" class="logo" />  </div>  <div class="chat-window" v-if="isChatOpen" @click.stop>  <h2>AI問答機器人</h2>  <div class="chat-box">  <div v-for="(message, index) in messages" :key="index" :class="['message', message.role]">  <p>{{ message.content }}</p>  </div>  </div>  <div class="input-container">  <input v-model="userInput" class="input-box" placeholder="問我任何問題..." @keyup.enter="sendMessage" />  <button @click="sendMessage" class="send-button">發送</button>  </div>  </div>  </div>  </template>  <script>  import axios from 'axios';  export default {  name: 'ChatForm',  data() {  return {  userInput: '',  messages: [], // 初始設為空，稍後在 mounted 中加載  isChatOpen: false, // 初始設為 false，稍後在 mounted 中加載  };  },  mounted() {  // 在 mounted 鉤子中加載本地儲存的聊天視窗狀態和消息記錄  const savedMessages = localStorage.getItem('chatMessages');  const savedChatStatus = localStorage.getItem('isChatOpen');  const authToken = localStorage.getItem('authToken');  if (authToken) {  // 自動使用 token 進行身份驗證  axios.defaults.headers.common['Authorization'] = `Bearer ${authToken}`;  // 你可以在這裡調用 API 來檢查用戶狀態，確保用戶仍然登入  }  if (savedMessages) {  this.messages = JSON.parse(savedMessages);  }  if (savedChatStatus) {  this.isChatOpen = JSON.parse(savedChatStatus);  }  },  methods: {  toggleChat() {  this.isChatOpen = !this.isChatOpen;  localStorage.setItem('isChatOpen', JSON.stringify(this.isChatOpen)); // 每次改變狀態時保存  },  async sendMessage() {  // 添加用戶輸入到消息列表  if (!this.userInput) return;  this.messages.push({ role: 'user', content: this.userInput });  localStorage.setItem('chatMessages', JSON.stringify(this.messages)); // 保存消息到 localStorage  try {  const response = await axios.post('http://127.0.0.1:8000/ask', {  question: this.userInput,  });  this.messages.push({ role: 'assistant', content: response.data.answer });  localStorage.setItem('chatMessages', JSON.stringify(this.messages)); // 保存消息到 localStorage  } catch (error) {  console.error('Error fetching response:', error);  this.messages.push({ role: 'assistant', content: '無法取得回答，請稍後再試。' });  localStorage.setItem('chatMessages', JSON.stringify(this.messages)); // 保存消息到 localStorage  }  this.userInput = ''; // 清空輸入框  },  },  };  </script> | |

9-1-13前端元件清單及規格描述

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| 程式名稱 | 功能說明 |
| profile.vue | 個人資訊 |
| <template>  <div class="pr">  <h1>個人資訊</h1>  <form @submit.prevent="updateUserInfo">  <div class="form-group">  <label for="account">帳號</label><br>  <input type="text" id="account" v-model="userInfo.account"><br>  </div>  <div class="form-group">  <label for="email">信箱</label><br>  <input type="email" id="email" v-model="userInfo.email"><br>  </div>  <div class="form-group">  <label for="password">密碼</label><br>  <input type="password" id="password" v-model="userInfo.password"><br>  </div>  <div class="form-group">  <label for="gender">性別</label><br>  <select id="gender" v-model="userInfo.gender">  <option value="男">男</option>  <option value="女">女</option>  <option value="其他">其他</option>  </select><br>  </div>  <button type="submit">更新</button>  </form>  </div>    </template>  <script>  export default {  name: 'ProfileForm',  data() {  return {  userInfo: {  account: '',  email: '',  password: '',  gender: '',  ticker: '',  targetPrice: '',  responseMessage: ''  }  };  },  mounted() {  this.fetchUserInfo();  },  methods: {  fetchUserInfo() {  fetch('http://192.168.50.174:8000/USER/data', {  credentials: 'include'  })  .then(response => {  if (!response.ok) {  throw new Error('獲取個人資訊失敗');  }  return response.json();  })  .then(data => {  if (data.content) {  this.userInfo.account = data.content[0];  this.userInfo.email = data.content[1];  this.userInfo.password = data.content[2];  this.userInfo.gender = data.content[3];  } else {  alert('獲取個人資訊失敗');  }  })  .catch(error => {  console.error('獲取個人資訊失敗:', error);  alert('獲取個人資訊失敗');  });  },  updateUserInfo() {  const data = {  account: this.userInfo.account,  password: this.userInfo.password,  gender: this.userInfo.gender  };  fetch('http://172.16.66.118:8000/USER/update-info', {  method: 'PATCH',  headers: {  'Content-Type': 'application/json',  },  body: JSON.stringify(data),  credentials: 'include'  })  .then(response => {  if (!response.ok) {  throw new Error('更新個人資訊失敗，請稍後重試');  }  return response.json();  })  .then(data => {  alert(data.message);  this.userInfo.account = data.updated\_info.account || this.userInfo.account;  this.userInfo.password = data.updated\_info.password || this.userInfo.password;  this.userInfo.gender = data.updated\_info.gender || this.userInfo.gender;  })  .catch(error => {  console.error('Fetch error:', error);  alert('更新個人資訊失敗: ' + error.message);  });  },    }  };  </script> | |

9-1-14前端元件清單及規格描述

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| 程式名稱 | 功能說明 |
| logout.vue | 登出 |
| <template>  <div>  <button @click="logout">登出</button>  </div>  </template>    <script>    export default {  name: 'LogoutForm'  }  </script> | |