**FinanceAPP 2.0\_ Estrutura**

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**Push para o gitHub**

git add .

git commit -m "Mensagem"

git push

# Estrutura do projecto no vs code

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**Ficheiros principais**

# Index.html

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<!DOCTYPE html>

<html lang="pt">

  <head>

    <meta charset="UTF-8" />

    <meta name="viewport" content="width=device-width, initial-scale=1" />

    <link rel="stylesheet" href="style.css" />

    <link

      rel="stylesheet"

      href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.0/css/all.min.css"

    />

    <link rel="manifest" href="manifest.json" />

    <script src="https://cdn.jsdelivr.net/npm/chart.js"></script>

    <meta name="theme-color" content="#4CAF50" />

    <title>APPFinance</title>

  </head>

  <body>

    <!-- HEADER COM TÍTULO E LOGO -->

    <header class="app-header">

      <div class="header-left">

        <h1 id="screenTitle"></h1>

      </div>

      <div class="header-right">

        <img src="icons/icon-192.png" alt="Logo" class="header-logo" />

      </div>

    </header>

    <div id="screenContainer">A carregar...</div>

    <footer class="footer-nav">

      <button onclick="navigateTo('dashboard')">

        <i class="fas fa-clock"></i><span>Dashboard</span>

      </button>

      <button onclick="navigateTo('simulador')">

        <i class="fas fa-calculator"></i><span>Simulador</span>

      </button>

      <button onclick="navigateTo('atividade')">

        <i class="fas fa-chart-line"></i><span>Portfólio</span>

      </button>

      <button onclick="navigateTo('settings')">

        <i class="fas fa-cog"></i><span>Configurações</span>

      </button>

    </footer>

    <!-- Apenas um script principal (com type="module") -->

    <script type="module" src="js/main.js"></script>

  </body>

</html>

# Main.js

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// js/main.js

const screenContainer = document.getElementById("screenContainer");

const screenTitleEl = document.getElementById("screenTitle");

export function navigateTo(screen) {

  console.log("👉 Navegar para:", screen);

  fetch(`screens/${screen}.html`)

    .then((res) => res.text())

    .then((html) => {

      // Injetar HTML do screen

      screenContainer.innerHTML = html;

      // Classe de layout: auth oculta o footer

      document.body.classList.toggle("auth-screen", screen === "auth");

      // Título dinâmico (atualiza #screenTitle e .app-header h1)

      setHeaderTitleFromScreen(screenContainer);

      // Voltar ao topo

      window.scrollTo(0, 0);

      // Importar JS específico do screen (se existir)

      import(`./screens/${screen}.js`)

        .then((module) => {

          if (typeof module.initScreen === "function") {

            module.initScreen();

          } else {

            console.warn(`ℹ️ initScreen() não encontrado em ${screen}.js`);

          }

        })

        .catch((err) => {

          console.warn(`ℹ️ Sem JS para "${screen}" ou falha no import.`, err);

        });

    })

    .catch((err) => {

      console.error("❌ Erro ao carregar HTML do screen:", err);

      screenContainer.innerHTML = "<p>Erro ao carregar a página.</p>";

    });

}

// Disponibilizar globalmente para onclick="navigateTo('...')"

window.navigateTo = navigateTo;

// Arranque na auth

document.addEventListener("DOMContentLoaded", () => {

  navigateTo("auth");

});

// --- Header title helper (global) ---

export function setHeaderTitleFromScreen(root = document) {

  const el = root.querySelector('[data-screen-title]');

  const title = el?.getAttribute('data-screen-title')?.trim();

  const h1 = document.querySelector('.app-header h1');

  if (h1 && title) h1.textContent = title;

}

// expõe para uso inline nos screens que carregam via HTML estático

window.setHeaderTitleFromScreen = setHeaderTitleFromScreen;

// Se tens um router/navigateTo, chama SEMPRE após render:

const \_origNavigateTo = window.navigateTo;

window.navigateTo = function (screen, ...args) {

  const res = \_origNavigateTo ? \_origNavigateTo(screen, ...args) : undefined;

  // dá tempo ao DOM para render; depois atualiza o header

  queueMicrotask(() => setHeaderTitleFromScreen(document));

  return res;

};

// Também atualiza ao carregar a página (ex: refresh direto num screen)

document.addEventListener('DOMContentLoaded', () => setHeaderTitleFromScreen(document));

# Firebase-config.js

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// js/firebase-config.js

import { initializeApp } from "https://www.gstatic.com/firebasejs/10.12.0/firebase-app.js";

import { getFirestore } from "https://www.gstatic.com/firebasejs/10.12.0/firebase-firestore.js";

// Configurações do teu projeto Firebase

const firebaseConfig = {

  apiKey: "AIzaSyDbSYjVwsOOnBjZe\_X8y7gS-W4DhYqHEnE",

  authDomain: "appfinance-812b2.firebaseapp.com",

  projectId: "appfinance-812b2",

  storageBucket: "appfinance-812b2.appspot.com",

  messagingSenderId: "383837988480",

  appId: "1:383837988480:web:dd114574838c6a9dbb2865",

};

const app = initializeApp(firebaseConfig);

export const db = getFirestore(app);

# script.js

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const screenContainer = document.getElementById("screenContainer");

function navigateTo(screen) {

  fetch(`screens/${screen}.html`)

    .then((res) => res.text())

    .then((html) => {

      screenContainer.innerHTML = html;

      window.scrollTo(0, 0); // voltar ao topo sempre que muda

      if (typeof initScreen === "function") initScreen(); // permite lógica específica

    })

    .catch(() => {

      screenContainer.innerHTML = "<p>Erro ao carregar a página.</p>";

    });

}

// Inicia na dashboard

document.addEventListener("DOMContentLoaded", () => {

  navigateTo("dashboard");

});

# Styles.css

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/\* =========================================================

   APPFinance – style.css (versão consolidada e limpa)

   - Modal "Definir Objetivo" compatível com o teu HTML (goal-wizard)

   - Auth screen (login): 1 coluna no mobile + footer escondido

   ========================================================= \*/

/\* ---------- Core tokens ---------- \*/

:root{

  --background:#fff;

  --foreground:hsl(0 0% 4%);

  --card:#fff;

  --card-foreground:hsl(0 0% 4%);

  --primary:hsl(0 0% 9%);

  --primary-foreground:hsl(0 0% 98%);

  --muted:hsl(0 0% 96.1%);

  --muted-foreground:hsl(0 0% 45.1%);

  --border:hsl(0 0% 89.8%);

  --radius:.75rem;

  --shadow-card:0 4px 20px -2px rgba(0,0,0,.1);

  --transition:all .3s ease;

}

\*,

\*::before,

\*::after{ box-sizing:border-box; }

html,body{ overflow-y:scroll; }

body{

  margin:0;

  font-family:system-ui,-apple-system,"Segoe UI",Roboto,Ubuntu,"Helvetica Neue",Arial;

  background:var(--background);

  color:var(--foreground);

}

/\* ---------- Layout base ---------- \*/

#screenContainer{ padding-bottom:90px; } /\* espaço p/ o footer \*/

.page{ padding:1.5rem; padding-bottom:90px; }

/\* ---------- Header fixo com logo ---------- \*/

.app-header{

  position:sticky; top:0; z-index:10;

  display:flex; justify-content:space-between; align-items:center;

  padding:.75rem 1rem; background:#fff; box-shadow:0 2px 4px rgba(0,0,0,.08);

}

.app-header h1{ margin:0; font-size:1.6rem; }

.header-logo{ width:48px; height:48px; object-fit:contain; }

@media (max-width:600px){

  .app-header h1{ font-size:1.2rem; }

  .header-logo{ width:36px; height:36px; }

}

/\* ---------- Dashboard ---------- \*/

.dashboard{ padding:1.5rem; }

.dashboard-header{ margin-bottom:1.5rem; }

.dashboard-header h1{ font-size:1.8rem; margin:0; }

.subtitle{ color:var(--muted-foreground); font-size:.95rem; }

.metrics-grid{

  display:grid; grid-template-columns:repeat(auto-fit,minmax(220px,1fr));

  gap:1rem; margin-bottom:2rem;

}

.card{

  background:var(--card); color:var(--card-foreground);

  padding:1rem; border-radius:var(--radius); box-shadow:var(--shadow-card);

  transition:var(--transition);

}

.card-content{ display:flex; justify-content:space-between; align-items:center; }

.label{ font-size:.85rem; color:var(--muted-foreground); }

.value{ font-size:1.25rem; font-weight:700; }

.subvalue{ font-size:.8rem; color:var(--muted-foreground); }

.icon-box{

  background:var(--muted); padding:.6rem; border-radius:var(--radius); font-size:1.2rem;

}

.card.premium .icon-box{ background:hsl(0 0% 95%); }

.card.success .icon-box{ background:hsl(142 69% 92%); }

.card.info    .icon-box{ background:hsl(0 0% 92%); }

.card.default .icon-box{ background:hsl(0 0% 90%); }

/\* Colunas inferiores (Atividade / Ações rápidas) \*/

.dashboard-columns{

  display:grid; gap:1rem; grid-template-columns:repeat(auto-fit,minmax(280px,1fr));

}

/\* ---------- Activity list ---------- \*/

.tag{display:inline-block;font-size:.75rem;padding:2px 6px;border-radius:999px;margin-right:6px}

.tag.compra{background:#e7f7ee;color:#117a39}

.tag.venda{background:#ffe5e5;color:#a52121}

.activity-item{

  display:flex; justify-content:space-between; align-items:center;

  padding:.75rem; margin-bottom:.6rem;

  background:var(--card); border:1px solid var(--border); border-radius:var(--radius);

}

.activity-left{ display:flex; gap:.75rem; align-items:flex-start; }

.activity-icon{

  display:inline-flex; width:36px; height:36px; align-items:center; justify-content:center;

  border-radius:50%; background:var(--muted); font-size:1rem;

}

.muted{ font-size:.85rem; color:var(--muted-foreground); }

.date{ font-size:.75rem; color:var(--muted-foreground); }

/\* meta + barra \*/

.activity-meta{

  margin-top:6px; font-size:.85rem; color:var(--muted-foreground);

  display:flex; justify-content:space-between; gap:.5rem;

}

/\* ---------- Barra “zero ao meio” ---------- \*/

.progress-dual{ margin-top:6px; }

.progress-dual .track{

  position:relative; height:10px; border-radius:999px; overflow:hidden;

  background:linear-gradient(90deg,#ffe5e5 0%,#ffe5e5 50%,#e7f7ee 50%,#e7f7ee 100%);

}

.progress-dual .zero{

  position:absolute; left:50%; top:-3px; bottom:-3px; width:2px;

  transform:translateX(-1px); background:rgba(0,0,0,.25);

}

.progress-dual .fill{

  position:absolute; top:0; height:100%;

  transition:width .35s ease;

}

.progress-dual .fill.positive{ left:50%;  background:#22c55e; }

.progress-dual .fill.negative{ right:50%; background:#ef4444; }

/\* ---------- Botões ---------- \*/

.btn{

  padding:.6rem 1rem; font-size:.9rem; border-radius:var(--radius);

  cursor:pointer; transition:var(--transition); margin-top:.6rem;

}

.btn.full{ width:100%; text-align:center; }

.btn.premium{ background:var(--primary); color:var(--primary-foreground); border:none; }

.btn.outline{ background:transparent; border:1px solid var(--border); color:var(--foreground); }

.btn.ghost{ background:transparent; color:var(--muted-foreground); border:none; }

.btn.dark{ background:#111; color:#fff; border:none; box-shadow:0 4px 20px -2px rgba(0,0,0,.2); }

.btn.dark:hover{ background:#333; }

/\* ---------- Footer ---------- \*/

.footer-nav{

  position:fixed; left:0; right:0; bottom:0; z-index:999;

  display:flex; justify-content:space-around; align-items:stretch; gap:0;

  padding:6px 8px calc(env(safe-area-inset-bottom,0) + 6px);

  background:var(--background); border-top:1px solid var(--border);

  box-shadow:0 -2px 10px rgba(0,0,0,.12);

}

.footer-nav button{

  flex:1 1 0; min-width:0; display:flex; flex-direction:column; align-items:center; justify-content:center;

  gap:2px; padding:8px 4px; border:0; background:transparent;

  font-size:12px; line-height:1.1; white-space:nowrap; overflow:hidden; text-overflow:ellipsis;

}

.footer-nav button i{ font-size:18px; }

@media (hover:hover){ .footer-nav button:hover{ background:var(--muted); border-radius:10px; } }

@media (max-width:380px){

  .footer-nav{ padding:4px 6px calc(env(safe-area-inset-bottom,0)+4px); }

  .footer-nav button{ font-size:11px; padding:6px 2px; }

  .footer-nav button i{ font-size:16px; }

}

/\* ---------- Simulador ---------- \*/

.sim-layout{ display:grid; grid-template-columns:260px 1fr; gap:1rem; padding:1rem; }

.sim-sidebar{ display:flex; flex-direction:column; gap:.6rem; }

.sim-content{ min-height:400px; }

.panel{

  display:none; background:var(--card); border-radius:var(--radius);

  box-shadow:var(--shadow-card); padding:1rem;

}

.panel.active{ display:block; }

.actions-row{ display:flex; gap:.5rem; flex-wrap:wrap; margin:.6rem 0 1rem; }

.form-grid{

  display:grid; grid-template-columns:repeat(auto-fit,minmax(180px,1fr));

  gap:.6rem; margin:.8rem 0;

}

.form-grid input{

  padding:.6rem .7rem; border-radius:var(--radius); border:1px solid var(--border);

}

.quick-buttons{ display:flex; gap:.5rem; margin:.4rem 0 .8rem; }

.tabela-scroll-wrapper{ overflow-x:auto; margin-top:.6rem; }

#tabelaSimulacoes{ width:100%; border-collapse:collapse; }

#tabelaSimulacoes th,#tabelaSimulacoes td{ border-bottom:1px solid var(--border); padding:.5rem; text-align:left; }

/\* Chart container \*/

.chart-wrap{ width:100%; height:300px; }

.chart-wrap canvas{ display:block; width:100% !important; height:100% !important; }

/\* Mobile (global) – pode usar botões 50% \*/

@media (max-width:820px){

  .sim-layout{ grid-template-columns:1fr; }

  .sim-sidebar{ flex-direction:row; flex-wrap:wrap; }

  .btn.full{ width:auto; flex:1 1 calc(50% - .6rem); text-align:center; }

}

/\* ---------- Modal base ---------- \*/

.modal.hidden{ display:none; }

.modal{

  position:fixed; inset:0; z-index:1000;

  background:rgba(0,0,0,.45); backdrop-filter:blur(2px);

  display:flex; align-items:center; justify-content:center;

}

.modal-dialog{

  width:min(680px,92vw); max-height:80vh; overflow:hidden;

  background:#111; color:#fff; border-radius:14px;

  box-shadow:0 8px 30px rgba(0,0,0,.4);

  display:flex; flex-direction:column;

}

.modal-header{

  display:flex; justify-content:space-between; align-items:center;

  padding:14px 16px; border-bottom:1px solid rgba(255,255,255,.08);

}

.icon-btn{ background:transparent; border:0; color:#aaa; font-size:18px; cursor:pointer; }

.icon-btn:hover{ color:#fff; }

.modal-toolbar{ display:flex; gap:8px; padding:12px 16px; flex-wrap:wrap; }

.chip{

  background:#1c1c1c; color:#ddd; border:1px solid rgba(255,255,255,.08);

  border-radius:999px; padding:6px 12px; cursor:pointer;

}

.chip.active,.chip:hover{ background:#2a2a2a; color:#fff; }

/\* (estilos antigos .top10-box mantidos p/ retrocompatibilidade) \*/

.top10-box{ padding:8px 16px 16px; overflow:auto; }

.top10-box ul{ list-style:none; margin:0; padding:0; }

.top10-box li{

  display:flex; justify-content:space-between; align-items:center;

  padding:10px 0; border-bottom:1px dashed rgba(255,255,255,.08);

}

.top10-box .left{ display:flex; gap:8px; align-items:baseline; }

.top10-box .ticker{ color:#aaa; font-size:.9rem; }

.top10-box .gain{ color:#5cd690; font-weight:600; }

.top10-box .loss{ color:#f27575; font-weight:600; }

/\* ---------- Atividade (página completa) ---------- \*/

.atividade-completa{ padding:20px; }

.atividade-lista{ display:flex; flex-direction:column; gap:10px; }

.atividade-item{

  border:1px solid #ddd; padding:12px; border-radius:8px; background:#f9f9f9;

  display:flex; justify-content:space-between; align-items:center;

}

.atividade-item .muted{ color:#666; font-size:.9em; }

.atividade-item .date{ font-size:.8em; color:#aaa; }

/\* ---------- Dropdown ---------- \*/

select{

  width:100%; padding:8px 12px; border:1px solid var(--border-color,#ccc);

  border-radius:8px; background-color:var(--input-bg,#fff); color:var(--text-color,#333);

  font-size:14px; appearance:none;

  background-image:url("data:image/svg+xml;utf8,<svg fill='%23666' height='20' viewBox='0 0 24 24' width='20' xmlns='http://www.w3.org/2000/svg'><path d='M7 10l5 5 5-5z'/></svg>");

  background-repeat:no-repeat; background-position:right 10px center; background-size:16px 16px;

  transition:border-color .2s, box-shadow .2s;

}

select:focus{ border-color:var(--accent-color,#0099ff); box-shadow:0 0 0 3px rgba(0,153,255,.15); outline:none; }

/\* ---------- Botões outline/ghost ---------- \*/

.btn.outline,

.btn.ghost{

  border:1.5px solid #000; color:#000; background-color:transparent;

  box-shadow:0 2px 6px rgba(0,0,0,.15);

  transition:all .2s ease-in-out;

}

.btn.outline:hover,

.btn.ghost:hover{

  background-color:rgba(0,0,0,.05);

  box-shadow:0 4px 10px rgba(0,0,0,.25);

  transform:translateY(-1px);

}

.btn.outline:active,

.btn.ghost:active{ transform:translateY(0); box-shadow:0 2px 6px rgba(0,0,0,.15); }

/\* ---------- Botões do popup dentro do form-grid ---------- \*/

#goalModal .form-grid button{

  min-height:38px; padding:6px 12px; font-size:.9rem; border-radius:8px;

}

#goalModal .btn.outline{ border:1px solid #000; color:#000; background:#fff; box-shadow:0 2px 5px rgba(0,0,0,.15); }

#goalModal .btn.ghost{ border:1px solid transparent; color:#555; background:#f9f9f9; box-shadow:0 2px 5px rgba(0,0,0,.05); }

/\* =========================================================

   OVERRIDES (colocar sempre no fim)

   ========================================================= \*/

/\* --- Auth: esconder footer e forçar 1 coluna --- \*/

body.auth-screen .footer-nav{ display:none !important; }

body.auth-screen .actions-row{ display:flex; flex-direction:column; flex-wrap:nowrap; gap:.6rem; }

body.auth-screen .btn.full{ width:100% !important; flex:0 0 auto !important; }

body.auth-screen .form-grid{ grid-template-columns:1fr !important; }

/\* --- Definir Objetivo: com o teu HTML (goal-wizard) --- \*/

#goalModal{

  --goal-header-h:56px;   /\* .modal-header \*/

  --actions-h:58px;       /\* barra de botões inferior \*/

  --selbar-h:46px;        /\* barra Selecionadas (mobile) \*/

}

#goalModal .modal-dialog.modal-goal{ display:flex; flex-direction:column; max-height:92vh; }

#goalModal .goal-wizard{

  flex:1 1 auto; overflow:auto; padding:8px 16px 12px;

  -webkit-overflow-scrolling:touch;

}

/\* Passo 2 – 2 colunas no desktop \*/

#goalModal .goal-step[data-step="2"]{ display:flex; flex-direction:column; min-height:0; }

#goalModal .goal-step[data-step="2"] .goal-columns-2{

  display:grid; grid-template-columns:1.1fr 0.9fr; gap:12px; min-height:0;

}

#goalModal .goal-step[data-step="2"] .goal-list-wrap{

  overflow:auto; min-height:260px; border:1px solid rgba(255,255,255,.08); border-radius:10px;

}

#goalModal .goal-step[data-step="2"] .goal-selected{

  background:#1a1a1a; border:1px solid rgba(255,255,255,.08); border-radius:10px; padding:10px;

}

/\* Lista do passo 2: texto + ação à direita \*/

#goalModal .goal-list{ list-style:none; margin:0; padding:0; }

#goalModal .goal-list li{

  display:grid; grid-template-columns:1fr auto; align-items:center;

  gap:12px; padding:10px 12px; border-bottom:1px dashed rgba(255,255,255,.08);

}

#goalModal .goal-list li .right{ min-width:40px; display:flex; align-items:center; justify-content:center; }

#goalModal .goal-toggle{

  display:inline-flex; align-items:center; justify-content:center;

  width:34px; height:34px; border-radius:10px;

  border:1px solid rgba(255,255,255,.14); background:rgba(255,255,255,.06);

}

#goalModal .goal-toggle:hover{ filter:brightness(1.08); }

/\* Barras de ações (Passo 2 e Passo 3 final) sticky no fundo \*/

#goalModal .goal-step[data-step="2"] > .actions-row,

#goalModal .goal-step[data-step="3"] > .actions-row:last-of-type{

  position:sticky; bottom:0; z-index:3;

  min-height:var(--actions-h); padding:10px 12px;

  background:linear-gradient(180deg,rgba(17,17,17,0) 0%, rgba(17,17,17,.96) 60%);

  backdrop-filter:blur(2px);

  border-top:1px solid rgba(255,255,255,.08);

  border-bottom-left-radius:12px; border-bottom-right-radius:12px;

}

/\* Mobile – Selecionadas sticky no topo, lista por baixo, 1 coluna \*/

@media (max-width:900px){

  #goalModal{ --actions-h:52px; --selbar-h:42px; }

  #goalModal .goal-step[data-step="2"] .goal-columns-2{ grid-template-columns:1fr; }

  #goalModal .goal-step[data-step="2"] .goal-selected{

    position:sticky; top:var(--goal-header-h); z-index:2;

    height:var(--selbar-h); min-height:var(--selbar-h); max-height:var(--selbar-h);

    display:flex; flex-direction:column; justify-content:center;

    background:rgba(17,17,17,.55);

    backdrop-filter:blur(3px);

    border-top:1px solid rgba(255,255,255,.08);

    border-bottom:1px solid rgba(255,255,255,.08);

    padding:6px 10px;

  }

  #goalModal #goalSelecionadas.goal-tags{

    display:flex; flex-wrap:nowrap; gap:8px;

    overflow-x:auto; overflow-y:hidden; white-space:nowrap;

    -webkit-overflow-scrolling:touch;

  }

  #goalModal #goalSelecionadas .goal-tag{

    padding:4px 10px; border-radius:999px; font-size:.85rem; line-height:1.1;

  }

  #goalModal .goal-step[data-step="2"] .goal-list-wrap{

    margin-top:calc(var(--selbar-h) + 4px);

    max-height:none; overflow:visible; /\* scroll fica no .goal-wizard \*/

  }

}

# Algoritmos

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