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"use client"

import TeamBuilder from "@/components/team-builder"
import { ClerkProvider, SignedIn, SignedOut, SignInButton, UserButton } from
"@clerk/clerk-react"
import { Card, CardContent, CardHeader, CardTitle } from "@/components/ui/card"
import { Button } from "@/components/ui/button"
import { AnimatedPokeballIcon, PokeballIcon, PremiumPokeballIcon } from
"./components/ui/pokeball-icon"
import { Users, Trophy, Star, Sparkles, Shield, Target } from "lucide-react"
import { fetchPokemonDataAndConvert } from "../lib/utils"
import { useEffect, useState } from "react"
import type { Pokemon } from "../lib/types"
// Import the environment variable for Clerk's publishable key
const PUBLISHABLE_KEY = import.meta.env.VITE_CLERK_PUBLISHABLE_KEY

// Ensure the publishable key is defined
if (!PUBLISHABLE_KEY) {
  throw new Error("Missing Publishable Key")
}
/**
 * HomePage component that renders the main layout for the Pokémon Team Builder
application.
 * @returns The main home page component that renders the Pokémon Team Builder
application.
 */
export default function HomePage() {
  // Throw an error if the publishable key is not set
  const [allPokemon, setAllPokemon] = useState<Pokemon[] | null>(null)

  // Fetch Pokémon data and convert it to the application's format
  useEffect(() => {
    fetchPokemonDataAndConvert()
      .then(setAllPokemon)
      .catch((error) => {
        console.error("Fehler beim Laden der Pokémon-Daten:", error)
        setAllPokemon([])
      })
  }, [])

  // If the publishable key is not set, display an error message
  // This is a fallback to ensure the application does not crash if the key is
missing
  if (!PUBLISHABLE_KEY) {
    return (
      <div className="min-h-screen bg-gradient-to-br from-slate-50 to-slate-100
dark:from-slate-900 dark:to-slate-800 flex items-center justify-center">
        <Card className="max-w-md border-0 shadow-xl bg-white/90 dark:bg-slate-
800/90 backdrop-blur-sm">
          <CardHeader className="text-center">
            <div className="w-12 h-12 bg-red-100 dark:bg-red-900/20 rounded-full
flex items-center justify-center mx-auto mb-4">

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        <PokeballIcon size={24} className="text-red-600 dark:text-red-400"
    />

    </div>
    <CardTitle className="text-xl text-red-600 dark:text-red-400">Configuration Error</CardTitle>
    </CardHeader>
    <CardContent className="text-center">
        <p className="text-muted-foreground mb-4">
            Clerk Publishable Key is missing. Please check your environment
            configuration.
        </p>
        <Button variant="outline" onClick={() => window.location.reload()}>
            Retry
        </Button>
    </CardContent>
</Card>
</div>
)
}

return (
    <div className="min-h-screen bg-gradient-to-br from-slate-50 to-slate-100
dark:from-slate-900 dark:to-slate-800" >
        <ClerkProvider publishableKey={PUBLISHABLE_KEY}>
            <SignedOut>
                {/* This is the Welcome Screen for when an unauthenticated user visits
the site */}
                {/* Welcome Screen */}
                <div className="min-h-screen flex flex-col">
                    {/* Header */}
                    <header className="container mx-auto px-4 py-8">
                        <div className="text-center">
                            <div className="flex justify-center items-center gap-3 mb-6">
                                <div className="relative">
                                    <div className="w-16 h-16 bg-gradient-to-r from-red-500 via-
orange-500 to-yellow-500 rounded-full flex items-center justify-center shadow-lg">
                                        {/* This defines the Pokeball icon appearing next to the
Title */}

                                        <PremiumPokeballIcon size={32} className="text-white" />
                                    </div>
                                    <div className="absolute -top-1 -right-1 w-6 h-6 bg-gradient-
to-r from-blue-500 to-purple-500 rounded-full flex items-center justify-center">
                                        <Sparkles className="w-3 h-3 text-white" />
                                    </div>
                                </div>
                                <div>
                                    {/* This defines the Title and Subtitle of the Welcome Screen
*/}

                                    <h1 className="text-5xl font-bold bg-gradient-to-r from-red-
600 via-orange-600 to-yellow-600 bg-clip-text text-transparent">
                                        Pokémon
                                    </h1>
                                    <h2 className="text-2xl font-semibold text-slate-700
dark:text-slate-300">Team Builder</h2>

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        </div>
      </div>
      <p className="text-xl text-slate-600 dark:text-slate-400 max-w-3xl
mx-auto leading-relaxed">
        Create the ultimate Pokémon team with advanced stat
        optimization, strategic movesets, and competitive
        analysis. Join and become a Trainer, building championship-
        worthy teams.
      </p>
    </div>
  </header>

  { /* Features Section */ }
  <main className="flex-1 container mx-auto px-4 pb-8">
    <div className="grid md:grid-cols-3 gap-8 mb-12">
      <Card className="group border-0 shadow-xl bg-white/80 dark:bg-
slate-800/80 backdrop-blur-sm hover:shadow-2xl transition-all duration-300 hover:-
translate-y-1">
        <CardHeader className="text-center pb-4">
          <div className="w-16 h-16 bg-gradient-to-br from-blue-500 to-
cyan-500 rounded-2xl flex items-center justify-center mx-auto mb-4 group-
hover:scale-110 transition-transform duration-300">
            <Users className="w-8 h-8 text-white" />
          </div>
          { /* This defines the Subchapters under the Title */ }
          <CardTitle className="text-xl font-bold">Strategic Team
Building</CardTitle>
        </CardHeader>
        <CardContent className="text-center">
          <p className="text-slate-600 dark:text-slate-400 leading-
relaxed">
            Choose from all Pokémon in Generation I to IV and create
            perfectly balanced teams with synergistic
            abilities, type coverage, and strategic roles.
          </p>
        </CardContent>
      </Card>

      <Card className="group border-0 shadow-xl bg-white/80 dark:bg-
slate-800/80 backdrop-blur-sm hover:shadow-2xl transition-all duration-300 hover:-
translate-y-1">
        <CardHeader className="text-center pb-4">
          <div className="w-16 h-16 bg-gradient-to-br from-green-500 to-
emerald-500 rounded-2xl flex items-center justify-center mx-auto mb-4 group-
hover:scale-110 transition-transform duration-300">
            <Target className="w-8 h-8 text-white" />
          </div>
          { /* This defines the Subchapters under the Title */ }
          <CardTitle className="text-xl font-bold">Advanced
Optimization</CardTitle>
        </CardHeader>
        <CardContent className="text-center">
          <p className="text-slate-600 dark:text-slate-400 leading-
relaxed">

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        Fine-tune Individual Values (IVs) and Effort Values (EVs)
with precision. Optimize stats for
        maximum competitive potential and tournament readiness.
    </p>
    </CardContent>
</Card>

    <Card className="group border-0 shadow-xl bg-white/80 dark:bg-
slate-800/80 backdrop-blur-sm hover:shadow-2xl transition-all duration-300 hover:-
translate-y-1">
        <CardHeader className="text-center pb-4">
            <div className="w-16 h-16 bg-gradient-to-br from-purple-500
to-pink-500 rounded-2xl flex items-center justify-center mx-auto mb-4 group-
hover:scale-110 transition-transform duration-300">
                <Trophy className="w-8 h-8 text-white" />
            </div>
            {/* This defines the Subchapters under the Title */}
            <CardTitle className="text-xl font-bold">Battle Ready
Export</CardTitle>
        </CardHeader>
        <CardContent className="text-center">
            <p className="text-slate-600 dark:text-slate-400 leading-
relaxed">
                Save multiple team configurations, analyze type
effectiveness, and export teams for competitive
                battles.
            </p>
        </CardContent>
    </Card>
</div>

    {/* Call to Action */}
    {/* With this Button the Login Process provided by Clerk is
initiated */}
    <div className="max-w-lg mx-auto">
        <Card className="border-0 shadow-2xl bg-gradient-to-br from-
white/95 to-slate-50/95 dark:from-slate-800/95 dark:to-slate-900/95 backdrop-blur-
sm">
            <CardHeader className="text-center pb-6">
                <div className="w-20 h-20 bg-gradient-to-br from-red-500 via-
orange-500 to-yellow-500 rounded-full flex items-center justify-center mx-auto mb-
6 shadow-lg">
                    <PremiumPokeballIcon size={40} className="text-white" />
                </div>
                <CardTitle className="text-2xl font-bold mb-3">Ready to Become
a Champion?</CardTitle>
                <p className="text-slate-600 dark:text-slate-400">
                    Join the elite trainers and start building your legendary
team today
                </p>
            </CardHeader>
            <CardContent className="text-center space-y-4">
                <SignInButton mode="modal">
                    <Button

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        size="lg"
        className="w-full h-14 text-lg font-semibold bg-gradient-
to-r from-red-500 via-orange-500 to-yellow-500 hover:from-red-600 hover:via-
orange-600 hover:to-yellow-600 text-white border-0 shadow-xl hover:shadow-2xl
transition-all duration-300 hover:scale-105"
      >
        <PokeballIcon size={20} className="mr-3" />
        Start Your Journey
      </Button>
    </SignInButton>
    <div className="flex items-center justify-center gap-6 text-sm
text-slate-500 dark:text-slate-400">
      <div className="flex items-center gap-1">
        <Star className="w-4 h-4 text-yellow-500" />
        <span>Free Forever</span>
      </div>
      <div className="flex items-center gap-1">
        <Shield className="w-4 h-4 text-green-500" />
        <span>Secure</span>
      </div>
      <div className="flex items-center gap-1">
        <PokeballIcon size={16} className="text-blue-500" />
        <span>Instant Access</span>
      </div>
    </div>
  </CardContent>
</Card>
</div>
</main>

{/* Footer */}
<footer className="container mx-auto px-4 py-8 text-center">
  <div className="border-t border-slate-200 dark:border-slate-700 pt-
8">
    <p className="text-slate-500 dark:text-slate-400">
    </p>
  </div>
</footer>
</div>
</SignedOut>

{/* This is the Main Application for when an authenticated user visits the
site */}
<SignedIn>
  {/* Navigation Header */}
  <header className="sticky top-0 z-50 border-b border-slate-200/50
dark:border-slate-700/50 bg-white/80 dark:bg-slate-800/80 backdrop-blur-md">
    <div className="container mx-auto px-4 py-4">
      <div className="flex items-center justify-between">
        <div className="flex items-center gap-4">
          <div className="relative">
            <div className="w-10 h-10 bg-gradient-to-r from-red-500 via-
orange-500 to-yellow-500 rounded-full flex items-center justify-center shadow-lg">
              <AnimatedPokeballIcon size={20} className="text-white" />

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        </div>
        <div className="absolute -top-1 -right-1 w-4 h-4 bg-gradient-
to-r from-blue-500 to-purple-500 rounded-full flex items-center justify-center">
          <Sparkles className="w-2 h-2 text-white" />
        </div>
      </div>
      <div>
        <h1 className="text-xl font-bold bg-gradient-to-r from-red-600
via-orange-600 to-yellow-600 bg-clip-text text-transparent">
          Pokémon Team Builder
        </h1>
        <p className="text-xs text-slate-500 dark:text-slate-
400">Championship Edition</p>
      </div>
    </div>

    <div className="flex items-center gap-4">
      <div className="hidden sm:flex items-center gap-3 px-4 py-2 bg-
gradient-to-r from-green-50 to-emerald-50 dark:from-green-900/20 dark:to-emerald-
900/20 rounded-full border border-green-200 dark:border-green-700">
        <div className="w-2 h-2 bg-green-500 rounded-full animate-
pulse"></div>
        <span className="text-sm font-medium text-green-700 dark:text-
green-300">
          Welcome back, Champion!
        </span>
      </div>
      {/* This defines the User Button for the authenticated user and
a click opens an account menu provided by Clerk */}
      <UserButton
        appearance={{
          elements: {
            avatarBox: "w-10 h-10 shadow-lg",
            userButtonPopoverCard: "shadow-2xl border-0 bg-white/95
dark:bg-slate-800/95 backdrop-blur-sm",
            userButtonPopoverActionButton: "hover:bg-slate-100
dark:hover:bg-slate-700 transition-colors",
          },
        }}
        showName={false}
      />
    </div>
  </div>
</header>
{/* Main Content */}
<main>
  {/** This is the main content area for the Pokémon Team Builder
application
  * It displays the Team Builder component if all Pokémon data is
loaded.
  * If the data is still loading, it shows a loading message.
  */}
  {!allPokemon ? (

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        <div className="text-center text-slate-500 mt-20">Lade Pokémon-
Daten...</div>
      ) : (
        <TeamBuilder pokemonList={allPokemon} />
      )}
    </main>
  </SignIn>
</ClerkProvider>
</div >
)
}
```