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"use client"

import { Button } from "@components/ui/button"
import { Trash2 } from "lucide-react"
import { Badge } from "@components/ui/badge"
import { cn } from "@lib/utils"
import type { Pokemon } from "@lib/types"

// This interface defines the props for the TeamPreview component.
interface TeamPreviewProps {
  team: Pokemon[]
  onRemove: (pokemon: Pokemon) => void
  onSelect: (pokemon: Pokemon) => void
}

/**
 * This component displays a preview of a Pokémon team, allowing users to see
 * their selected Pokémon,
 * remove Pokémon from the team, and select a Pokémon for further actions.
 * It is designed to be used in a team-building interface where users can manage
 * their Pokémon roster.
 * @param team - An array of Pokémon objects representing the team.
 * @param onRemove - A callback function to handle the removal of a Pokémon from
 * the team.
 * @param onSelect - A callback function to handle the selection of a Pokémon for
 * further actions.
 * @returns
 */
export default function TeamPreview({ team = [], onRemove, onSelect }:
TeamPreviewProps) {
  // Ensure the team is an array and fill empty slots if necessary.
  // This ensures that the team is always treated as an array, even if it is
  undefined or null.
  // It also calculates how many empty slots are needed to fill the team to a
  total of 6 Pokémon.
  const safeTeam = Array.isArray(team) ? team : []
  const emptySlots = Array(Math.max(0, 6 - safeTeam.length)).fill(null)

  // This object maps Pokémon types to their corresponding CSS classes for
  background colors.
  const typeColors: Record<string, string> = {
    normal: "bg-stone-400",
    fire: "bg-orange-500",
    water: "bg-blue-500",
    electric: "bg-yellow-400",
    grass: "bg-green-500",
    ice: "bg-cyan-300",
    fighting: "bg-red-700",
    poison: "bg-purple-600",
    ground: "bg-amber-600",
    flying: "bg-indigo-300",
    psychic: "bg-pink-500",
  }
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bug: "bg-lime-500",
rock: "bg-yellow-700",
ghost: "bg-purple-800",
dragon: "bg-violet-700",
dark: "bg-stone-700",
steel: "bg-slate-400",
fairy: "bg-pink-300",
}

return (
<div className="grid grid-cols-2 gap-3">
  {/* This maps over the Pokémon in the team and renders each one with its
sprite, name, types, and a remove button. */}
  {safeTeam.map((pokemon, index) => {
    if (!pokemon) return null;

    const pokemonName = pokemon.name || "Unknown";
    const pokemonTypes = pokemon.types || [];
    const pokemonSprite = pokemon.sprite || "/placeholder.svg?
height=48&width=48";
    return (
      <div
        key={`-${pokemon.pdx_num}-${index}`}
        className="flex items-center p-2 border rounded-md bg-white dark:bg-
slate-800 cursor-pointer hover:bg-slate-50 dark:hover:bg-slate-700 transition-
colors"
        onClick={() => onSelect(pokemon)}
      >
        <div className="relative w-12 h-12 mr-2 flex-shrink-0">
          {/* This renders the Pokémon sprite with a fallback to a placeholder
image if the sprite is not available. */}
          <img
            src={pokemonSprite || "/placeholder.svg"}
            alt={pokemonName}
            className="w-full h-full object-contain"
            onError={(e) => {
              const target = e.target as HTMLImageElement
              target.src = "/placeholder.svg?height=48&width=48"
            }}
          />
        </div>
        <div className="flex-1 min-w-0">
          <h4 className="text-sm font-medium truncate">{pokemonName}</h4>
          <div className="flex gap-1 mt-1 flex-wrap">
            {/* Renders a Badge with the Pokemon Type in an appropriate Color
*/}
            {pokemonTypes.map((type: string, typeIndex: number) => (
              <Badge
                key={`-${type}-${typeIndex}`}
                className={cn("text-white text-[10px] px-1 py-0",
typeColors[type?.toLowerCase()] || "bg-gray-500"))}
            )}
          </div>
        </div>
      </div>
    )
  })}
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        )))
      </div>
    </div>
    <Button
      variant="ghost"
      size="icon"
      className="h-7 w-7 ml-1 flex-shrink-0 hover:bg-red-50 dark:hover:bg-
red-900/20"
      onClick={(e) => {
        e.stopPropagation();
        onRemove(pokemon);
      }}
    >
      <Trash2 className="h-4 w-4 text-red-500" />
      <span className="sr-only">Remove {pokemonName}</span>
    </Button>
  </div>
);
}}
{/* This maps over the empty slots and renders a placeholder for each empty
slot. */}
{emptySlots.map((_, index) => (
  <div
    key={`empty-${index}`}
    className="flex items-center justify-center p-2 border rounded-md
border-dashed h-[72px] bg-slate-50 dark:bg-slate-800/50 transition-colors"
  >
    <span className="text-xs text-muted-foreground">Empty slot</span>
  </div>
))}
</div>
);
}

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