Program:

Import React, { useState } from ‘react’;

Import Header from ‘@/components/Header’;

Import VoiceInput from ‘@/components/VoiceInput’;

Import MoodBoard from ‘@/components/MoodBoard’;

Import ProductDisplay from ‘@/components/ProductDisplay’;

Import {

extractMoodsFromVoice,

getMoodsFromColors,

getMoodsFromEmojis,

combineMoods,

getProductsByMood,

generateMoodReason

} from ‘@/utils/moodUtils’;

Import { Product } from ‘@/data/products’;

Const Index: React.FC = () => {

Const [step, setStep] = useState<’input’ | ‘results’>(‘input’);

Const [voiceText, setVoiceText] = useState<string>(‘’);

Const [selectedColors, setSelectedColors] = useState<string[]>([]);

Const [selectedEmojis, setSelectedEmojis] = useState<string[]>([]);

Const [recommendedProducts, setRecommendedProducts] = useState<Product[]>([]);

Const [moodReason, setMoodReason] = useState<string>(‘’);

Const handleVoiceInput = (text: string) => {

setVoiceText(text);

};

Const handleMoodSelection = (colors: string[], emojis: string[]) => {

setSelectedColors(colors);

setSelectedEmojis(emojis);

// Extract moods from all inputs

Const voiceMoods = extractMoodsFromVoice(voiceText);

Const colorMoods = getMoodsFromColors(colors);

Const emojiMoods = getMoodsFromEmojis(emojis);

// Combine moods from all sources

Const combinedMoods = combineMoods(voiceMoods, colorMoods, emojiMoods);

// Get product recommendations

Const products = getProductsByMood(combinedMoods);

setRecommendedProducts(products);

// Generate explanation for recommendations

Const reason = generateMoodReason(combinedMoods);

setMoodReason(reason);

// Move to results page

setStep(‘results’);

};

Const resetApp = () => {

setStep(‘input’);

setVoiceText(‘’);

setSelectedColors([]);

setSelectedEmojis([]);

setRecommendedProducts([]);

setMoodReason(‘’);

};

Return (

<div className=”min-h-screen bg-gradient-to-b from-accent/50 to-white”>

<div className=”container px-4 py-8”>

<Header />

<main className=”mt-8”>

{step === ‘input’ ? (

<>

<VoiceInput onMoodCapture={handleVoiceInput} />

<MoodBoard onMoodSelect={handleMoodSelection} />

</>

) : (

<ProductDisplay

Products={recommendedProducts}

moodReason={moodReason}

onReset={resetApp}

/>

)}

</main>

</div>

</div>

);

};

Export default Index;