```
@ <sup>'</sup>
import React, { useState, useEffect } from 'react'
import { Home, Calculator, FileText, Pill, BookOpen, ChevronRight, ArrowLeft,
Clock, AlertCircle, Target, Users, Settings, Award, ExternalLink } from
'lucide-react'
function Application() {
  const [currentPage, setCurrentPage] = useState('home')
  const [chapters, setChapters] = useState([])
  const [selectedChapter, setSelectedChapter] = useState(null)
  const [loading, setLoading] = useState(false)
  const navigationItems = [
    { id: 'home', name: 'Dashboard', icon: Home },
    { id: 'notes', name: 'Study Notes', icon: BookOpen },
    { id: 'calculators', name: 'Calculators', icon: Calculator },
    { id: 'protocols', name: 'Protocols', icon: FileText },
    { id: 'medications', name: 'Medications', icon: Pill }
  1
  useEffect(() => {
    const loadChapters = async () => {
      setLoading(true)
      try {
        const response = await fetch('/emt-chapters-final.json')
        if (response.ok) {
          const data = await response.json()
          if (Array.isArray(data)) {
            setChapters(data)
          } else if (data.chapters && Array.isArray(data.chapters)) {
            setChapters(data.chapters)
          } else if (data.modules && Array.isArray(data.modules)) {
            const allChapters = data.modules.flatMap(module =>
              module.chapters ? module.chapters.map(chapter => ({
                ...chapter,
                moduleName: module.name
              })):[]
            setChapters(allChapters)
          } else {
            setChapters([data])
```

```
} catch (error) {
       console.error('Error loading chapters:', error)
     } finally {
       setLoading(false)
   loadChapters()
 }, [])
 const renderCurrentPage = () => {
   switch(currentPage) {
     case 'home':
       return (
        <div className="max-w-7xl mx-auto">
          <div className="mb-8 text-center">
            <h1 className="text-4xl font-bold mb-4" style={{ color:
'#212529' }}>Welcome to ProMedixEMS</h1>
            Your
professional EMT education platform
          </div>
          <div className="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-4</pre>
gap-6">
            <div
              className="p-6 rounded-x1 text-center transition-all
duration-300 hover:scale-105 cursor-pointer"
              style={{
                backgroundColor: '#FFFFFF',
                border: '1px solid #E9ECEF',
                boxShadow: '0 2px 8px rgba(0, 123, 255, 0.08)'
              }}
              onClick={() => setCurrentPage('notes')}
              <BookOpen className="w-12 h-12 mx-auto mb-4" style={{ color:</pre>
'#007BFF' }} />
              <h3 className="text-xl font-semibold mb-2" style={{ color:</pre>
'#212529' }}>Study Notes</h3>
              Access your chapter
content
              }}>{chapters.length} chapters available
```

```
</div>
             <div
               className="p-6 rounded-xl text-center transition-all
duration-300 hover:scale-105"
               stvle={{
                 backgroundColor: '#FFFFFF',
                 border: '1px solid #E9ECEF',
                 boxShadow: '0 2px 8px rgba(0, 123, 255, 0.08)'
               }}
               <Calculator className="w-12 h-12 mx-auto mb-4" style={{ color:</pre>
'#28A745' }} />
               <h3 className="text-x1 font-semibold mb-2" style={{ color:</pre>
'#212529' }}>Calculators</h3>
               15 field-ready tools
             <div
               className="p-6 rounded-xl text-center transition-all
duration-300 hover:scale-105"
               stvle={{
                 backgroundColor: '#FFFFFF',
                 border: '1px solid #E9ECEF',
                 boxShadow: '0 2px 8px rgba(0, 123, 255, 0.08)'
               }}
               <Pill className="w-12 h-12 mx-auto mb-4" style={{ color:
'#6F42C1' }} />
               <h3 className="text-xl font-semibold mb-2" style={{ color:</pre>
'#212529' }}>Medications</h3>
               100+ EMS medications
             </div>
               className="p-6 rounded-xl text-center transition-all
duration-300 hover:scale-105"
               style={{
                 backgroundColor: '#FFFFFF',
                 border: '1px solid #E9ECEF',
                 boxShadow: '0 2px 8px rgba(0, 123, 255, 0.08)'
               }}
               <FileText className="w-12 h-12 mx-auto mb-4" style={{ color:</pre>
'#DC3545' }} />
```

```
<h3 className="text-xl font-semibold mb-2" style={{ color:
'#212529' }}>Protocols</h3>
              Emergency procedures
          </div>
         </div>
     case 'notes':
       if (selectedChapter) {
         return (
          <div className="max-w-5xl mx-auto">
            {/* Navigation */}
            <div className="mb-6">
              <button
                onClick={() => setSelectedChapter(null)}
                className="text-sm font-medium mb-6 flex items-center
hover:underline transition-colors"
                style={{ color: '#007BFF' }}
                <ArrowLeft className="w-4 h-4 mr-1" />
                Back to Chapter List
              </button>
            </div>
            {/* Professional Chapter Header */}
            <div className="mb-8">
              <div className="flex items-center gap-3 mb-4">
                <div className="w-12 h-12 rounded-xl flex items-center</pre>
justify-center" style={{ backgroundColor: '#007BFF' }}>
                  <BookOpen className="w-6 h-6 text-white" />
                </div>
                <div>
                  <h1 className="text-4xl font-bold" style={{ color:
'#212529' }}>
                    Chapter 1: EMS Systems
                  }}>
                    Academy Tier - Overview
                  </div>
              </div>
```

```
</div>
            {/* Chapter Content */}
            <div className="space-y-8">
              {/* Introduction Section */}
              <section
                className="p-6 rounded-x1"
                style={{
                 backgroundColor: '#FFFFFF',
                 border: '1px solid #E9ECEF',
                 boxShadow: '0 2px 8px rgba(0, 123, 255, 0.08)'
               }}
                <div className="flex items-center mb-4">
                  <h2 className="text-2xl font-bold" style={{ color:</pre>
'#007BFF' }}>Introduction</h2>
                </div>
                color: '#212529', lineHeight: '1.7' }}>
                 <span className="font-semibold" style={{ color: '#007BFF',</pre>
backgroundColor: '#E3F2FD', padding: '2px 4px', borderRadius: '4px'
}}>EMS</span> is a coordinated system of emergency medical care providers,
governed by state laws, tasked with rapid response, patient stabilization, and
transport. This chapter introduces key functions, history, and operational
structures.
                <div className="w-2 h-2 rounded-full mr-3 mt-2</pre>
flex-shrink-0" style={{ backgroundColor: '#007BFF' }}></div>
                   <span style={{ color: '#212529' }}>
                     <span className="font-semibold" style={{ color:</pre>
'#007BFF', backgroundColor: '#E3F2FD', padding: '2px 4px', borderRadius: '4px'
}}>EMS</span> is defined as a <strong>system</strong>, not just a service.
                   </span>
                 <div className="w-2 h-2 rounded-full mr-3 mt-2</pre>
flex-shrink-0" style={{ backgroundColor: '#007BFF' }}></div>
                   <span style={{ color: '#212529' }}>
```

```
It involves teams delivering <strong>emergency care
and transportation</strong>.
                    </span>
                  <div className="w-2 h-2 rounded-full mr-3 mt-2</pre>
flex-shrink-0" style={{ backgroundColor: '#007BFF' }}></div>
                    <span style={{ color: '#212529' }}>
                      <span className="font-semibold" style={{ color:</pre>
'#007BFF', backgroundColor: '#E3F2FD', padding: '2px 4px', borderRadius: '4px'
}}>EMTs</span> function within a legal and medical framework.
                    </span>
                  <div className="w-2 h-2 rounded-full mr-3 mt-2</pre>
flex-shrink-0" style={{ backgroundColor: '#007BFF' }}></div>
                    <span style={{ color: '#212529' }}>
                      State laws define <span className="font-semibold"</pre>
style={{ color: '#28A745', backgroundColor: '#E8F5E8', padding: '2px 4px',
borderRadius: '4px' }}>EMS scope and protocols</span>.
                    </span>
                  </section>
              {/* Learning Objectives */}
              <section
                className="p-6 rounded-x1"
                style={{
                  backgroundColor: '#FFFFFF',
                  border: '1px solid #E9ECEF',
                  boxShadow: '0 2px 8px rgba(0, 123, 255, 0.08)'
                } }
                <div className="flex items-center mb-4">
                  <span className="text-2xl mr-3">@</span>
                  <h2 className="text-2xl font-bold" style={{ color:</pre>
'#007BFF' }}>Learning Objectives</h2>
                </div>
                By the end of this chapter, learners will be able to:
```

```
<div className="space-y-3">
                   { [
                      "Describe the history and evolution of EMS in the U.S.",
                     "Differentiate levels of EMS providers and training
scopes.",
                      "Identify the major components of the EMS system.",
                     "Recognize the core responsibilities and ethical
obligations of EMTs.",
                      "Understand certification, licensure, and ADA
compliance."
                   ].map((objective, index) => (
                     <div key={index} className="flex items-start p-3</pre>
rounded-lg" style={{ backgroundColor: '#F8F9FA' }}>
                       <div className="w-6 h-6 rounded-full flex items-center</pre>
justify-center mr-3 mt-0.5 flex-shrink-0" style={{ backgroundColor: '#28A745'
} } >
                         <span className="text-white text-xs</pre>
font-bold">{index + 1}</span>
                       <span style={{ color: '#212529', lineHeight: '1.6'</pre>
}}>{objective}</span>
                     </div>
                   ))}
                 </div>
                </section>
               {/* Chapter Modules */}
               <section
                 className="p-6 rounded-x1"
                 style={{
                   backgroundColor: '#FFFFFF',
                   border: '1px solid #E9ECEF',
                   boxShadow: '0 2px 8px rgba(0, 123, 255, 0.08)'
                 }}
                 <div className="flex items-center mb-4">
                   <span className="text-2xl mr-3">

**</span>
                   <h2 className="text-2xl font-bold" style={{ color:</pre>
'#007BFF' }}>Chapter Modules</h2>
                 </div>
                 Each section below links to deeper modular files.
```

```
<div className="overflow-hidden rounded-lg border" style={{</pre>
borderColor: '#E9ECEF' }}>
               <thead style={{ backgroundColor: '#F8F9FA' }}>
                  style={{ color: '#212529' }}>Section
                    style={{ color: '#212529' }}>Type
                    style={{ color: '#212529' }}>Linked Files
                  </thead>
                 {[
                   { section: "History of EMS", type: " Timeline",
files: "history/timeline.md\nhistory/key-documents.md" },
                   { section: "Levels of EMS Providers", type: "
Overview", files: "levels-of-providers/*.md" },
                    { section: "EMS System Components", type: "*
Breakdown", files: "components/*.md" },
                    { section: "EMT Roles and Responsibilities", type:
" Practices", files: "roles-and-responsibilities/*.md" },
                    { section: "Licensure & Certification", type: "
Compliance", files: "licensure-and-certification/*.md" },
                    { section: "Quality Improvement & Safety", type:
"Q Oversight", files: "quality-and-safety/*.md" },
                   { section: "Research & Evidence-Based Care", type:
" Decision-Making", files: "research/evidence-based-care.md" }
                  ].map((row, index) => (
                    borderColor: '#E9ECEF' }}>
                     color: '#212529' }}>{row.section}
                     <td className="px-4 py-3" style={{ color:
'#6C757D' }}>{row.type}
                     '#007BFF' }}>
                       {row.files.split('\n').map((file, fileIndex) =>
```

```
<div key={fileIndex} className="flex</pre>
items-center">
                                  <code className="text-xs px-2 py-1 rounded"</pre>
style={{ backgroundColor: '#F8F9FA', color: '#6C757D' }}>
                                    {file}
                                  </code>
                                </div>
                              ))}
                            ))}
                      </div>
                </section>
                {/* Scope Tags */}
                <section
                  className="p-6 rounded-x1"
                  style={{
                    backgroundColor: '#E3F2FD',
                    border: '1px solid #007BFF'
                  }}
                  <div className="flex items-center mb-4">
                    <span className="text-2xl mr-3">@</span>
                    <h2 className="text-x1 font-bold" style={{ color:</pre>
'#1565C0' }}>Scope Tags</h2>
                  </div>
                  <div className="flex flex-wrap gap-2">
                    <span className="px-3 py-1 rounded-full text-sm"</pre>
font-medium" style={{ backgroundColor: '#007BFF', color: '#FFFFFF' }}>
                      Academy Tier
                    </span>
                    <span className="px-3 py-1 rounded-full text-sm"</pre>
font-medium" style={{ backgroundColor: '#FFFFFF', color: '#1565C0', border:
'1px solid #007BFF' }}>
                      Suitable for: EMR, EMT, AEMT (review), Instructor-led
foundations
                    </span>
                  </div>
                </section>
```

```
{/* Quick Links Grid */}
             <div className="grid grid-cols-1 md:grid-cols-3 gap-6">
               {/* Flashcard Sets */}
               <div
                className="p-6 rounded-x1"
                style={{
                  backgroundColor: '#FFF8E1',
                  border: '1px solid #FFC107'
                }}
                 <div className="flex items-center mb-4">
                  <span className="text-2x1 mr-3">>></span>
                  <h3 className="text-lg font-bold" style={{ color:</pre>
'#856404' }}>Flashcard Sets</h3>
                 Flashcards for this chapter are broken out by learning
objective:
                 01a-history.yaml
                   01b-levels.yaml
                  style={{ color: '#856404' }}>•
01c-components.yaml
                </div>
               {/* Quiz Modules */}
               <div
                className="p-6 rounded-x1"
                style={{
                  backgroundColor: '#F3E5F5',
                  border: '1px solid #9C27B0'
                }}
                <div className="flex items-center mb-4">
                  <span className="text-2xl mr-3">\overline{\sigma} /span>
                  <h3 className="text-lg font-bold" style={{ color:
'#6A1B9A' }}>Quiz Modules</h3>
                </div>
```

```
<div className="overflow-hidden rounded-lg border"</pre>
style={{ borderColor: '#9C27B0' }}>
               <thead style={{ backgroundColor: '#6A1B9A' }}>
                   <th className="px-3 py-2 text-left text-white
font-medium">Difficulty
                   font-medium">File Name
                 </thead>
                '#E1BEE7' }}>
                   <td className="px-3 py-2" style={{ color:
'#6A1B9A' }}>Easy
                   <td className="px-3 py-2" style={{ color:
'#6A1B9A' }}>quiz-easy.json
                  '#E1BEE7' }}>
                   <td className="px-3 py-2" style={{ color:
'#6A1B9A' }}>Standard
                   <td className="px-3 py-2" style={{ color:
'#6A1B9A' }}>quiz-standard.json
                  '#E1BEE7' }}>
                   <td className="px-3 py-2" style={{ color:
'#6A1B9A' }}>Advanced
                   <td className="px-3 py-2" style={{ color:
'#6A1B9A' }}>quiz-advanced.json
                  </div>
            </div>
            {/* Cross-References */}
              className="p-6 rounded-x1"
              style={{
```

```
backgroundColor: '#E8F5E8'.
                 border: '1px solid #28A745'
               }}
               <div className="flex items-center mb-4">
                 <span className="text-2x1 mr-3">\@</span>
                 <h3 className="text-lg font-bold" style={{ color:
'#155724' }}>Cross-References</h3>
                </div>
                Tagged for integration with:
                 • Medication guides
(standing orders, scope by level)
                  Protocol systems
(medical direction, MIH)
                  • Scenarios (ethics,
quality improvement, patient safety)
               </div>
            </div>
            {/* References */}
            <section
              className="p-6 rounded-x1"
              style={{
               backgroundColor: '#FFFFFF',
               border: '1px solid #E9ECEF',
               boxShadow: '0 2px 8px rgba(0, 123, 255, 0.08)'
              }}
              <div className="flex items-center mb-4">
               <span className="text-2x1 mr-3">Q</span>
               <h2 className="text-2xl font-bold" style={{ color:</pre>
'#007BFF' }}>References</h2>
              </div>
              lineHeight: '1.7' }}>
               All citations and sources used in this module are listed
in <code className="px-2 py-1 rounded text-sm" style={{ backgroundColor:</pre>
```

```
'#F8F9FA', color: '#6C757D' }}>references.json</code>, with glossary links in
app for quick lookup.
               </section>
              {/* Action Footer */}
              <section
               className="p-6 rounded-x1 text-center"
               stvle={{
                 backgroundColor: '#F8F9FA',
                 border: '1px solid #E9ECEF'
               }}
               Want me to auto-generate the full text for <code
className="px-2 py-1 rounded text-sm" style={{ backgroundColor: '#FFFFFF',
color: '#6C757D' }}>history/timeline.md</code> or begin flashcard generation?
               We can tackle one module at a time or spin up the entire
folder set. Let's build it layer by layer.
               </section>
              {/* Clinical Disclaimer */}
              <section
               className="p-6 rounded-x1"
               style={{
                 backgroundColor: '#FFEBEE',
                 border: '1px solid #F44336'
               }}
               <div className="flex items-center mb-4">
                 <AlertCircle className="w-6 h-6 mr-3" style={{ color:</pre>
'#D32F2F' }} />
                 <h3 className="text-lg font-semibold" style={{ color:</pre>
'#D32F2F' }}>Important Clinical Notice</h3>
               </div>
               '#D32F2F' }}>
                 This educational content is for training purposes only.
Always follow your local <span className="font-semibold" style={{ color:
```

```
'#28A745', backgroundColor: '#E8F5E8', padding: '2px 4px', borderRadius: '4px'
}}>protocols</span>, <span className="font-semibold" style={{ color:</pre>
'#28A745', backgroundColor: '#E8F5E8', padding: '2px 4px', borderRadius: '4px'
}}>medical director</span> guidelines, and scope of practice. Emergency
medical care should only be provided by trained and certified personnel within
their authorized scope of practice.
                 </section>
             </div>
           </div>
         )
       return (
          <div className="max-w-6x1 mx-auto">
            <div className="mb-8">
             <h1 className="text-3xl font-bold mb-4" style={{ color:</pre>
'#212529' }}>Study Notes</h1>
             Professional EMT education
materials organized by chapter
           </div>
            {loading ? (
             <div className="text-center py-12">
               <div className="text-lg" style={{ color: '#6C757D' }}>Loading
chapters...</div>
             </div>
            ) : chapters.length > 0 ? (
             <div className="grid gap-4">
               {chapters.map((chapter, index) => (
                 <div
                   key={chapter.id || chapter.chapterNumber || index}
                   className="p-6 rounded-xl transition-all duration-300
hover:scale-[1.02] cursor-pointer group"
                   style={{
                     backgroundColor: '#FFFFFF',
                     border: '1px solid #E9ECEF',
                     boxShadow: '0 2px 8px rgba(0, 123, 255, 0.08)'
                   }}
                   onClick={() => setSelectedChapter(chapter)}
                   <div className="flex items-center justify-between">
```

```
<div className="flex items-center">
                      <div
                        className="w-14 h-14 rounded-xl flex items-center
justify-center mr-5 transition-colors group-hover:scale-110"
                        style={{ backgroundColor: '#007BFF' }}
                        <span className="text-white font-bold text-lg">
                          {chapter.chapterNumber || chapter.id || index + 1}
                        </span>
                      </div>
                      <div>
                        {chapter.moduleName && (
                          <div className="flex items-center mb-1">
                            <span className="px-2 py-1 rounded text-xs</pre>
font-medium" style={{ backgroundColor: '#E3F2FD', color: '#1565C0' }}>
                              {chapter.moduleName}
                            </span>
                          </div>
                        ) }
                        <h3 className="text-xl font-semibold mb-1" style={{
color: '#212529' }}>
                          Chapter 1: EMS Systems
                        </h3>
                        Academy Tier - Foundation concepts for EMT
practice
                        </div>
                     </div>
                     <ChevronRight className="w-6 h-6 text-gray-400</pre>
group-hover:text-blue-500 transition-colors" />
                   </div>
                 </div>
               ))}
             </div>
           ) : (
             <div className="text-center py-12">
               <BookOpen className="w-16 h-16 mx-auto mb-4" style={{ color:</pre>
'#6C757D' }} />
               <h3 className="text-xl font-semibold mb-2" style={{ color:</pre>
'#212529' }}>No Chapters Found</h3>
```

```
Make sure emt-chapters-final.json is in the public folder
               </div>
           ) }
         </div>
     default:
       return (
         <div className="max-w-4xl mx-auto">
           <h1 className="text-3xl font-bold mb-6" style={{ color: '#212529'</pre>
}}>
             {navigationItems.find(item => item.id === currentPage)?.name ||
'Page'}
           </h1>
           <div
             className="p-6 rounded-x1"
             style={{
               backgroundColor: '#FFFFFF',
               border: '1px solid #E9ECEF',
               boxShadow: '0 2px 8px rgba(0, 123, 255, 0.08)'
             }}
             This section is under
development...
           </div>
         </div>
   }
 return (
    <div className="min-h-screen" style={{ backgroundColor: '#F8F9FA' }}>
     <header
       className="sticky top-0 z-50 border-b"
       style={{
         backgroundColor: 'rgba(248, 249, 250, 0.95)',
         backdropFilter: 'blur(12px)',
         borderColor: 'rgba(0, 123, 255, 0.1)'
       }}
       <div className="container mx-auto px-4 py-8">
         <div className="text-center">
```

```
<div className="w-48 h-48 md:w-64 md:h-64 mx-auto mb-4">
              <img
                src="/LOGOtrans.png"
                alt="ProMedixEMS Logo"
                className="w-full h-full object-contain"
                style={{ filter: 'drop-shadow(0 4px 12px rgba(0, 123, 255,
0.2))' }}
              />
            </div>
            <h1 className="text-xl md:text-2xl font-bold" style={{ color:
'#212529' }}>
              Professional Emergency Medical Services Education
          </div>
        </div>
      </header>
      <main className="container mx-auto px-4 py-6 pb-24">
        {renderCurrentPage()}
      </main>
      <nav
        className="fixed bottom-0 left-0 right-0 border-t"
        style={{
         backgroundColor: '#FFFFFF',
         borderColor: '#E9ECEF',
         boxShadow: '0 -2px 8px rgba(0, 123, 255, 0.08)'
        }}
        <div className="grid grid-cols-5 gap-1 p-2">
          {navigationItems.map((item) => {
            const Icon = item.icon
            const isActive = currentPage === item.id
            return (
              <button
                key={item.id}
                onClick={() => setCurrentPage(item.id)}
                className="flex flex-col items-center justify-center p-2"
rounded-lg transition-colors min-h-[60px] touch-manipulation"
                style={{
                  backgroundColor: isActive ? '#007BFF' : 'transparent',
                  color: isActive ? '#FFFFFF' : '#6C757D'
```