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<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>VetPrep Pro – FFA Vet Science</title>
<link rel="stylesheet" href="style.css">
<link rel="manifest" href="manifest.json">
</head>
<body>
<header>VetPrep Pro – FFA Vet Science</header>
<nav>
<button onclick="showSection('home')">Home</button>
<button onclick="showSection('flashcards')">Flashcards</button>
<button onclick="showSection('quiz')">Quiz</button>
<button onclick="showSection('pet')">Pet</button>
<button onclick="toggleTheme()">Toggle Theme</button>
</nav>

<div id="home" class="section active">
<h2>Dashboard</h2>
<p>Coins: <span id="coins">0</span></p>
<p>XP: <span id="xp">0</span></p>
</div>

<div id="flashcards" class="section">
<h2>Flashcards</h2>
<div class="card">
<div id="flashcardContent"></div>
<button onclick="flipCard()">Flip</button>
<button onclick="nextCard()">Next</button>
</div>
</div>

<div id="quiz" class="section">
<h2>Quiz</h2>
<div class="card">
<p id="question"></p>
<div id="answers"></div>
<p id="feedback"></p>
</div>
</div>

<div id="pet" class="section"></div>
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<script src="script.js"></script>
<script>
if('serviceWorker' in navigator){
  navigator.serviceWorker.register('sw.js').then(()=>console.log('Service Worker Registered'));
}
</script>
</body>
</html>
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body { margin:0; font-family: Arial, sans-serif; background:#E6F4FF; color:black;
text-align:center;}
header { padding:20px; font-size:28px; font-weight:bold;}
nav button { padding:10px 15px; margin:5px; font-size:16px; cursor:pointer; border:none;
border-radius:8px; background:#007BFF; color:white;}
nav button:hover { background:#0056b3; }
.section { display:none; padding:20px;}
.active { display:block;}
.card { background:#FFF4B3; padding:20px; border-radius:12px; margin:20px auto; width:90%;
box-shadow:0 4px 6px rgba(0,0,0,0.1);}
.dark { background:#0A1A3F; color:white;}
.dark .card { background:#FFD700;}
img { max-width:200px; border-radius:12px;}
```

```
let coins=0; let xp=0;

let pets=[
{name:"Buddy",emoji:"🐶",happiness:80},
{name:"Whiskers",emoji:"🐱",happiness:70},
{name:"Bunny",emoji:"🐰",happiness:75}
]; let currentPetIndex=0;

let flashcards=[
{term:"Blowfly",definition:"Metallic fly from family
Calliphoridae.",image:"https://upload.wikimedia.org/wikipedia/commons/3/30/Calliphora_vomitoria.jpg"},
{term:"Hookworm Egg",definition:"Oval egg with thin
shell.",image:"https://upload.wikimedia.org/wikipedia/commons/7/72/Hookworm_egg.JPG"}
]; let currentCardIndex=0; let showingDefinition=false;

let quizzes=[
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{question:"What is a hookworm?",options:["Roundworm parasite","Type of bacteria","Blood
cell","Virus"],correct:"Roundworm parasite"},

{question:"Blowflies belong to which
family?",options:["Calliphoridae","Fasciolidae","Ascarididae","Cestoda"],correct:"Calliphoridae"}
]; let currentQuizIndex=0; let quizFeedback="";

function showSection(id){
document.querySelectorAll('.section').forEach(sec=>sec.classList.remove('active'));
document.getElementById(id).classList.add('active');
if(id==="pet") showPet();
}

function updateStats(){
document.getElementById("coins").innerText=coins;
document.getElementById("xp").innerText=xp;
}

function loadFlashcard(){
let card=flashcards[currentCardIndex];
if(!showingDefinition){document.getElementById("flashCardContent").innerHTML=`<img
src='${card.image}'><h3>${card.term}</h3>`}
else{document.getElementById("flashCardContent").innerHTML=`<h3>${card.definition}</h3>`}
}

function flipCard(){showingDefinition=!showingDefinition; if(showingDefinition) reward();
loadFlashcard();}
function nextCard(){currentCardIndex=(currentCardIndex+1)%flashcards.length;
showingDefinition=false; loadFlashcard();}

function loadQuiz(){
let q=quizzes[currentQuizIndex];
document.getElementById("question").innerText=q.question;
let answersDiv=document.getElementById("answers");
answersDiv.innerHTML="";
q.options.forEach(opt=>{
let btn=document.createElement("button");
btn.innerText=opt;
btn.onclick=function(){
if(opt==q.correct){quizFeedback="Correct! +5 coins"; reward();}
else{quizFeedback="Incorrect";}
document.getElementById("feedback").innerText=quizFeedback;
currentQuizIndex=(currentQuizIndex+1)%quizzes.length;
setTimeout(loadQuiz,1000);
};
});
}

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answersDiv.appendChild(btn);
});

}

function showPet(){
let pet=pets[currentPetIndex];
document.getElementById("pet").innerHTML=
<h2>Your Pet</h2>
<div class="card">
<div style="font-size:100px;">${pet.emoji}</div>
<p>Name: ${pet.name}</p>
<p>Happiness: <span id="happiness">${pet.happiness}</span></p>
<button onclick="playWithPet()">Play</button>
<button onclick="switchPet()">Switch Pet</button>
</div>';
}

function playWithPet(){pets[currentPetIndex].happiness+=5; coins+=2; updateStats();
showPet();}
function switchPet(){currentPetIndex=(currentPetIndex+1)%pets.length; showPet();}
function reward(){coins+=5; xp+=10; pets[currentPetIndex].happiness+=2; updateStats();
showPet();}
function toggleTheme(){document.body.classList.toggle("dark");}

loadFlashcard(); loadQuiz(); updateStats();

{
  "name": "VetPrep Pro",
  "short_name": "VetPrep",
  "start_url": "./index.html",
  "display": "standalone",
  "background_color": "#E6F4FF",
  "theme_color": "#007BFF",
  "icons": [
    {
      "src": "icon.png",
      "sizes": "192x192",
      "type": "image/png"
    }
  ]
}

const CACHE_NAME='vetprep-cache-v1';
const urlsToCache=['./','./index.html','./style.css','./script.js','./icon.png'];

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self.addEventListener('install',event=>{
  event.waitUntil(caches.open(CACHE_NAME).then(cache=>cache.addAll(urlsToCache)));
});

self.addEventListener('fetch',event=>{
  event.respondWith(caches.match(event.request).then(resp=>resp||fetch(event.request)));
});
```