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<!doctype html>
<html>
<head>
<meta charset="utf-8"/>
<title>Playable Chess (Standalone)</title>
<style>
 body { font-family: system-ui, -apple-system, "Segoe UI", Roboto, Arial; display:flex; gap:20px;
     align-items:flex-start; padding:20px; background:#f3f3f3; }
 #boardCanvas { border: 4px solid #333; image-rendering: pixelated; cursor:pointer; }
 .panel { max-width:320px; }
 h2{margin:.2rem 0;}
 #moves { height: 420px; overflow: auto; background: white; padding: 10px; border-radius: 8px;
border:1px solid #ddd; }
 button { margin-top:8px; padding:8px 10px; }
 .small { font-size:13px; color:#555; }
</style>
</head>
<body>
<canvas id="boardCanvas" width="640" height="640"></canvas>
<div class="panel">
 <h2>Chess — Playable</h2>
 <div class="small">Click a piece, then click a destination. Captures allowed. Promotion to
queen supported.</div>
 <strong>Turn:</strong> <span id="turnLabel">White</span>
 <div id="moves"></div>
 <button id="resetBtn">Reset/button>
 To embed in Canva: host this file and use Canva's Embed/Website element
to paste the page URL (Canva renders embeds in an iframe).
</div>
<script>
/* Simple playable chessboard using Unicode piece glyphs.
 - Implements legal piece movements (no check detection).
 - Turn-based enforcement.
 - Pawn promotion (promote to gueen).
 - Click to select / move.
 - Board stored as 8x8 array.
// Unicode pieces
const glyph = {
 pw: "&", rw: "> ", nw: "2", bw: "2", qw: "8", kw: "8",
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};
const canvas = document.getElementById('boardCanvas');
const ctx = canvas.getContext('2d');
const size = canvas.width;
const sq = size/8;
const movesDiv = document.getElementById('moves');
const turnLabel = document.getElementById('turnLabel');
let selected = null;
let legalMovesCache = [];
let board = [];
let turn = 'w'; // 'w' or 'b'
const LIGHT = "#f0d9b5", DARK = "#b58863", HIGHLIGHT = "rgba(80,200,120,0.45)", ATTACK
= "rgba(200,80,80,0.45)";
function deepCopyBoard(b){
 return b.map(r \Rightarrow r.map(c \Rightarrow c ? {...c} : null));
}
function setupStartingBoard(){
 const empty = () => Array(8).fill(null);
 board = Array.from({length:8}, (_,r)=>{
  if(r===0) return [
   {t:'r',c:'b'},{t:'n',c:'b'},{t:'b',c:'b'},{t:'q',c:'b'},
   {t:'k',c:'b'},{t:'b',c:'b'},{t:'n',c:'b'},{t:'r',c:'b'}
  ];
  if(r===1) return Array(8).fill().map(()=>({t:'p',c:'b'}));
  if(r===6) return Array(8).fill().map(()=>({t:'p',c:'w'}));
  if(r===7) return [
   {t:'r',c:'w'},{t:'n',c:'w'},{t:'b',c:'w'},{t:'q',c:'w'},
   {t:'k',c:'w'},{t:'b',c:'w'},{t:'n',c:'w'},{t:'r',c:'w'}
  ];
  return empty();
 });
 turn = 'w';
 selected = null;
 legalMovesCache = [];
 updateUI();
}
function drawBoard(){
 ctx.clearRect(0,0,size,size);
 for(let r=0;r<8;r++){}
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for(let f=0;f<8;f++)
   const isLight = (r+f)\%2===0;
   ctx.fillStyle = isLight ? LIGHT : DARK;
   ctx.fillRect(f*sq, r*sq, sq, sq);
  }
 }
 // highlight legal moves
 if(selected){
  for(const m of legalMovesCache){
   ctx.fillStyle = m.capture ? ATTACK : HIGHLIGHT;
   ctx.fillRect(m.toF*sq, m.toR*sq, sq, sq);
  }
  // selected square ring
  ctx.strokeStyle = "#444";
  ctx.lineWidth = 3;
  ctx.strokeRect(selected.f*sq+2, selected.r*sq+2, sq-4, sq-4);
 // draw pieces (unicode)
 ctx.textAlign = "center";
 ctx.textBaseline = "middle";
 ctx.font = (sq*0.72) + "px serif";
 for(let r=0;r<8;r++){}
  for(let f=0;f<8;f++){}
   const p = board[r][f];
   if(!p) continue;
   const key = p.t + p.c;
   const ch = glyph[key] || '?';
   ctx.fillStyle = p.c === 'w' ? "#111" : "#111";
   ctx.fillText(ch, f*sq + sq/2, r*sq + sq/2 + 4);
}
function inBounds(r,f){ return r>=0 && r<8 && f>=0 && f<8; }
function generateMovesFor(r,f){
 const p = board[r][f];
 if(!p) return [];
 const dir = p.c === 'w' ? -1 : 1;
 const moves = [];
 if(p.t === 'p'){}
  // forward
  const fr = r + dir;
  if(inBounds(fr,f) && !board[fr][f]) {
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moves.push({fromR:r,fromF:f,toR:fr,toF:f,capture:false});
    // two squares on starting rank
    const startRank = p.c==='w'? 6:1;
    if(r===startRank){
     const fr2 = r + dir^2;
     if(inBounds(fr2,f) && !board[fr2][f]) moves.push({fromR:r,fromF:f,toR:fr2,toF:f,capture:false,
double:true});
   }
  }
  // captures
  for(const df of [-1,1]){
    const tr = r + dir, tf = f + df;
    if(inBounds(tr,tf) && board[tr][tf] && board[tr][tf].c!== p.c){
     moves.push({fromR:r,fromF:f,toR:tr,toF:tf,capture:true});
   }
  }
  // en-passant NOT implemented (simple playable version)
 } else if(p.t === 'n'){
  const del = [[-2,-1],[-2,1],[-1,-2],[-1,2],[1,-2],[1,2],[2,-1],[2,1]];
  for(const [dr,df] of del){
    const tr=r+dr, tf=f+df;
    if(inBounds(tr,tf) && (!board[tr][tf] || board[tr][tf].c !== p.c)){
     moves.push({fromR:r,fromF:f,toR:tr,toF:tf,capture: !!board[tr][tf]});
   }
 } else if(p.t === 'b' || p.t === 'r' || p.t === 'q'){
  const dirs = [];
  if(p.t === 'b' || p.t === 'q') dirs.push([-1,-1],[-1,1],[1,-1],[1,1]);
  if(p.t === 'r' || p.t === 'q') dirs.push([-1,0],[1,0],[0,-1],[0,1]);
  for(const [dr,df] of dirs){
   let tr=r+dr, tf=f+df;
    while(inBounds(tr,tf)){
     if(!board[tr][tf]){
      moves.push({fromR:r,fromF:f,toR:tr,toF:tf,capture:false});
     } else {
      if(board[tr][tf].c !== p.c) moves.push({fromR:r,fromF:f,toR:tr,toF:tf,capture:true});
      break;
     tr+=dr; tf+=df;
 } else if(p.t === 'k'){
  for(let dr=-1;dr<=1;dr++) for(let df=-1;df<=1;df++){
    if(dr===0 \&\& df===0) continue;
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const tr = r+dr, tf=f+df;
    if(inBounds(tr,tf) && (!board[tr][tf] || board[tr][tf].c !== p.c)){
     moves.push({fromR:r,fromF:f,toR:tr,toF:tf,capture: !!board[tr][tf]});
   }
  }
  // simple castling: NOT implemented to keep complexity down
 return moves;
function allLegalMovesForColor(color){
 const list = [];
 for(let r=0;r<8;r++) for(let f=0;f<8;f++){
  const p = board[r][f];
  if(p \&\& p.c === color){
   const ms = generateMovesFor(r,f);
    ms.forEach(m => list.push(m));
  }
 }
 return list;
function coordsFromEvent(e){
 const rect = canvas.getBoundingClientRect();
 const x = (e.clientX - rect.left) * (canvas.width / rect.width);
 const y = (e.clientY - rect.top) * (canvas.height / rect.height);
 const f = Math.floor(x / sq);
 const r = Math.floor(y / sq);
 return {r,f};
}
function updateUI(){
 drawBoard();
 turnLabel.textContent = turn === 'w' ? 'White' : 'Black';
 movesDiv.innerHTML = ";
}
canvas.addEventListener('click', (e)=>{
 const {r,f} = coordsFromEvent(e);
 if(!inBounds(r,f)) return;
 const p = board[r][f];
 // If selecting your own piece
 if(p \&\& p.c === turn){
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selected = \{r,f\};
  legalMovesCache = generateMovesFor(r,f);
  updateUI();
  return;
 }
 // If there is a selected piece, try moving
 if(selected){
  const candidate = legalMovesCache.find(m => m.toR===r && m.toF===f);
  if(candidate){
   // execute move
    const from = selected;
    const piece = board[from.r][from.f];
    // move
    board[r][f] = piece;
    board[from.r][from.f] = null;
    // pawn promotion
    if(piece.t === 'p' && (r===0 || r===7)){}
     // simple: auto promote to queen
     piece.t = 'q';
     alert((piece.c==='w'?'White':'Black') + " pawn promoted to Queen!");
    // switch turn
    turn = (turn==='w') ? 'b' : 'w';
    selected = null;
    legalMovesCache = [];
    updateUI();
    logMove(piece, from, {r,f}, candidate.capture);
    return;
  } else {
   // click somewhere else: clear selection
    selected = null;
    legalMovesCache = [];
   updateUI();
}
});
function algebraic(from, to){
 const file = ['a','b','c','d','e','f','g','h'];
 return file[from.f] + (8-from.r) + '-' + file[to.f] + (8-to.r);
}
function logMove(piece, from, to, capture){
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const line = document.createElement('div');
line.textContent = (piece.c==='w' ? 'W' : 'B') + ' ' + (piece.t.toUpperCase()) + ' ' +
algebraic(from,to) + (capture ? ' x' : ");
movesDiv.prepend(line);
}
document.getElementById('resetBtn').addEventListener('click', setupStartingBoard);
// keyboard optional: press 'u' to undo last move? (not implemented)
setupStartingBoard();
</script>
</body>
</html>
```