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import PDFDocument from 'pdfkit';
import fs from 'fs';

function generateBeautifulResume(details, outputPath) {
  const doc = new PDFDocument({
    size: 'A4',
    margin: 50,
  });

  // Pipe the PDF into a writable stream
  doc.pipe(fs.createWriteStream(outputPath));

  // Function to add a line with specific styling
  function addLine(yOffset) {
    doc.strokeColor('#444444')
      .moveTo(doc.page.margins.left, yOffset)
      .lineTo(doc.page.width - doc.page.margins.right, yOffset)
      .lineWidth(1)
      .stroke();
  }

  // Function to add page borders
  function addPageBorders() {
    doc.lineWidth(2);
    doc.strokeColor('#444444');
    doc.rect(doc.page.margins.left - 20, doc.page.margins.top - 20, doc.page.width -
doc.page.margins.left - doc.page.margins.right + 40, doc.page.height -
doc.page.margins.top - doc.page.margins.bottom + 40).stroke();
  }

  // Event listener to add borders on each page addition
  doc.on('pageAdded', () => {
    addPageBorders();
  });

  // Function to add content for each section
  function addContent() {
    const {
      fullname,
      email,
      phone,
      github,
      linkedin,
      portfolio,
      address,
      summary,
    } = details;
  }

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    education,
    experience,
    hardSkills,
    softSkills,
    projects,
    nationality,
  } = details;

// Header Information
doc.fontSize(28)
  .fillColor('#333333')
  .text(fullname, { align: 'center' })
  .moveDown(0.5);

// Contact Information
const contactInfo = [
  address,
  email,
  phone,
  nationality,
  github,
  linkedin,
  portfolio,
];

const contactOptions = {
  width: doc.page.width - 2 * doc.page.margins.left,
  align: 'center',
};

doc.fontSize(12)
  .fillColor('#666666')
  .text(contactInfo.join('\n'), contactOptions)
  .moveDown(1);

// Draw a line below personal information
addLine(doc.y + 10);

// Section: Summary
doc.fontSize(15)
  .fillColor('#333333')
  .text('Summary', { underline: true })
  .moveDown(0.5);
doc.fontSize(12)
  .fillColor('#666666')
  .text(summary)

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        .moveDown(1);

// Section: Education
if (education && education.length > 0) {
    doc.fontSize(15)
    .fillColor('#333333')
    .text('Education', { underline: true })
    .moveDown(0.5);
    doc.fontSize(12)
    .fillColor('#666666')
    .text(education.join("\n"))
    .moveDown(1);
}

// Section: Experience
if (experience && experience.length > 0) {
    doc.fontSize(15)
    .fillColor('#333333')
    .text('Experience', { underline: true })
    .moveDown(0.5);
    doc.fontSize(12)
    .fillColor('#666666')
    .text(experience)
    .moveDown(1);
}

// Section: Hard Skills
if (hardSkills && hardSkills.length > 0) {
    doc.fontSize(15)
    .fillColor('#333333')
    .text('Hard Skills', { underline: true })
    .moveDown(0.5);
    doc.fontSize(12)
    .fillColor('#666666')
    .list(hardSkills, { bulletIndent: 10 })
    .moveDown(1);
}

// Section: Soft Skills
if (softSkills && softSkills.length > 0) {
    doc.fontSize(15)
    .fillColor('#333333')
    .text('Soft Skills', { underline: true })
    .moveDown(0.5);
    doc.fontSize(12)
    .fillColor('#666666')

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        .list(softSkills, { bulletIndent: 10 })
        .moveDown(1);
    }

    // Section: Projects
    if (projects && projects.length > 0) {
        doc.fontSize(15)
        .fillColor('#333333')
        .text('Projects', { underline: true })
        .moveDown(0.5);
        doc.fontSize(12)
        .fillColor('#666666')
        .list(projects, { bulletIndent: 10 })
        .moveDown(1);
    }
}

// Add initial page border
addPageBorders();

// Add content to the PDF
addContent();

// Finalize the PDF and end the stream
doc.end();
}

// Example usage
const resumeDetails = {
    fullname: 'Mohammed Jumaan',
    email: 'mohammedjumaan.mf@gmail.com',
    phone: '9886262303',
    github: 'https://github.com/johndoe',
    linkedin: 'https://www.linkedin.com/in/johndoe',
    portfolio: 'https://johndoeportfolio.com',
    address: 'Rasul Layout Near Kaveri Hospital',
    summary: 'Enthusiastic Computer Science student with a solid foundation in algorithms, data structures, and programming languages including Python, Java, and C++. Proven ability to apply theoretical knowledge to solve practical problems, demonstrated through coursework and hands-on projects. Eager to leverage academic achievements and passion for technology in a dynamic internship role to gain real-world experience and contribute to innovative solutions.',
    education: [
        'Bachelor of Science in Computer Science, University of XYZ, 2015-2019',
        'BSc Nursing, Suyog College of Mysuru',
    ],
};

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experience: 'No experience',
hardSkills: [
  'Programming skills: C, C++, Java',
  'Data structure',
  'DevOps',
],
softSkills: [
  'Public speaking skills',
  'Team building',
],
projects: [
  'E-commerce website',
  'Job description website',
],
nationality: 'Indian',
};

generateBeautifulResume(resumeDetails, 'resume.pdf');
```