**Assignment 2**

**Props Basics — Next.js + TypeScript**

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## Overview

**This project is focused purely on props**, rendering a **single page** with a **header**, **hero image**, and a **table** of a few rows. This uses **Next.js (App Router) + TypeScript** and keeps everything simple and explicit via **props**.

## 1) Create the project

Create the project with the name “**props-basics**”.

## 2) Project structure

A screen shot of a computer

AI-generated content may be incorrect.

Place any image you like (e.g., a house photo) as **public/hero.jpg**.

## 3) Components (all props‑driven)

**app/components/Header.tsx**

A screen shot of a computer screen

AI-generated content may be incorrect.

**app/components/Hero.tsx**

A screen shot of a computer program

AI-generated content may be incorrect.

**app/components/HouseTable.tsx**

A screen shot of a computer program

AI-generated content may be incorrect.A computer screen with text on it

AI-generated content may be incorrect.

## 4) Layout (global wrapper)

**app/layout.tsx**

A screen shot of a computer program

AI-generated content may be incorrect.

## 5) Page (pass all data via props)

**app/page.tsx**

A screen shot of a computer

AI-generated content may be incorrect.A computer screen with text on it

AI-generated content may be incorrect.

## 6) Minimal styles

**app/globals.css**

**/\* === Theme Variables === \*/**

**:root {**

**--bg: #0b1220;**

**--panel: #121a2b;**

**--text: #e5e7eb;**

**--muted: #94a3b8;**

**--brand: #3b82f6;**

**--table-border: rgba(255, 255, 255, 0.15);**

**}**

**/\* === Base Reset === \*/**

**\* {**

**box-sizing: border-box;**

**}**

**html,**

**body {**

**height: 100%;**

**}**

**body {**

**margin: 0;**

**font-family: system-ui, -apple-system, Segoe UI, Roboto, sans-serif;**

**background: var(--bg);**

**color: var(--text);**

**min-height: 100vh;**

**}**

**/\* === Layout Container === \*/**

**.container {**

**max-width: 1024px;**

**margin: 0 auto;**

**padding: 1rem;**

**}**

**/\* === Header === \*/**

**.site-header {**

**background: var(--panel);**

**border-bottom: 1px solid rgba(255, 255, 255, 0.08);**

**}**

**.header-inner {**

**display: flex;**

**align-items: center; /\* changed from baseline for better alignment \*/**

**justify-content: space-between;**

**gap: 1rem;**

**}**

**.logo {**

**font-size: 1.5rem;**

**font-weight: 700;**

**}**

**.tagline {**

**color: var(--muted);**

**margin: 0;**

**}**

**/\* === Hero Section === \*/**

**.hero-section {**

**margin-top: 1rem;**

**}**

**.hero-image {**

**width: 100%;**

**height: auto;**

**display: block;**

**border-radius: 8px;**

**border: 1px solid rgba(255, 255, 255, 0.08);**

**}**

**.hero-caption {**

**color: var(--muted);**

**margin-top: 0.5rem;**

**}**

**/\* === Table === \*/**

**.table-title {**

**margin: 2rem 0 0.75rem;**

**}**

**.table-wrapper {**

**overflow-x: auto;**

**}**

**.data-table {**

**width: 100%;**

**border-collapse: collapse;**

**background: var(--panel);**

**border: 1px solid var(--table-border);**

**border-radius: 8px;**

**}**

**.data-table th,**

**.data-table td {**

**padding: 0.75rem 1rem;**

**text-align: left;**

**border-bottom: 1px solid var(--table-border);**

**}**

**.data-table thead th {**

**color: var(--muted);**

**font-weight: 600;**

**}**

**.data-table tbody tr:last-child td {**

**border-bottom: none;**

**}**

**/\* === Links === \*/**

**a {**

**color: var(--brand);**

**text-decoration: none;**

**}**

**a:hover {**

**opacity: 0.9;**

**}**

## 7) Run

A black screen with white text

AI-generated content may be incorrect.

You’ll see the **header** (title + tagline), the **hero image** (from /public/hero.jpg), and the **table** with a few rows—**all driven by props**.

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