

Design Document for Miner Store Website

Project Description

The Miner Store Project is a web application designed to promote and sell cryptocurrency mining machines. It provides users with an intuitive and visually appealing interface to explore product details and make purchases. The website is aimed at simplifying the process of acquiring mining equipment while enhancing user engagement. This project also serves as a platform to improve frontend development skills using HTML5, CSS3, JavaScript, and other modern web technologies.

Key Objectives:

- Showcase cryptocurrency mining machines with detailed descriptions.
- Provide an easy-to-use interface for navigation and purchasing.

My Motivation

I possess experience in the cryptocurrency and mining sectors. This experience has provided me with a deeper understanding of the requirements and difficulties faced by miners.

Objective:

- Make it easier for individuals to learn about and acquire mining equipment.
- Introduce and educate users about the cryptocurrency mining industry.

User Personas

Persona 1: Market Investor

- **Description:** Individuals or organizations investing in cryptocurrency, seeking reliable mining machines to diversify portfolios and maximize ROI.
- **Goals:**
 - Identify mining machines with optimal efficiency.
 - Make informed purchasing decisions.
 - Compare product specifications.

Persona 2: Professional Broker

- **Description:** Industry intermediaries recommending mining machines to clients.
- **Goals:**
 - Access up-to-date product specifications.
 - Evaluate bulk pricing options.
 - Build reliable supplier partnerships.

Persona 3: Mining Farm Companies

- **Description:** Large-scale operators sourcing durable, energy-efficient hardware for long-term use.
- **Goals:**
 - Purchase hardware in bulk efficiently.
 - Ensure warranties and compatibility for industrial-scale operations.
 - Focus on energy-efficient solutions for cost reduction.

User Stories

Story 1: Market Investor

As a market investor, I want to browse detailed product specifications and compare options, so that I can invest in the most profitable mining machines.

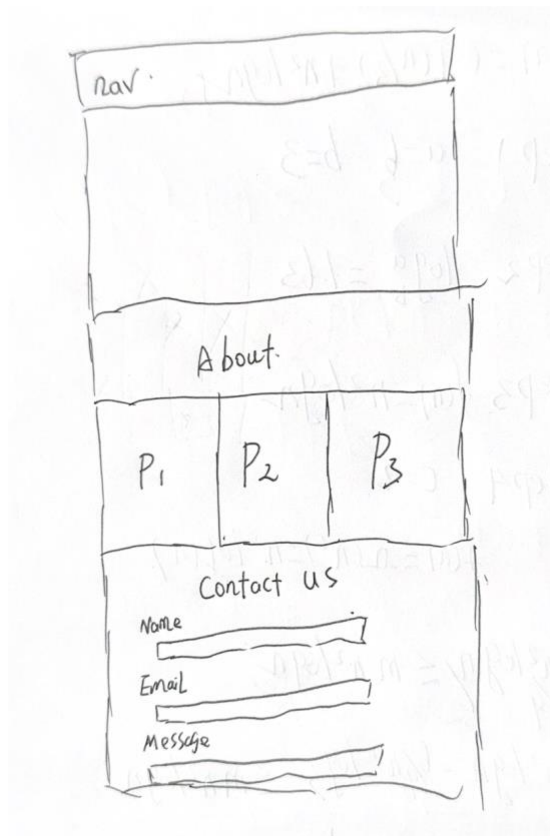
Story 2: Professional Broker

As a professional broker, I want access to bulk pricing options and up-to-date product information, so that I can meet the needs of my diverse client base.

Story 3: Mining Farm Operator

As a mining farm operator, I want a seamless way to place bulk orders and confirm product compatibility, so that I can efficiently expand my operations.

Website Draft:



Design Mockups

Homepage

Sections:

- **Navigation Bar:**
 - Three clickable tags: About, Products, and Contact.
 - Auto-scroll to the respective section for seamless navigation.
- **Hero Section:**
 - Eye-catching image of the latest mining machine.
 - Clicking the image redirects to the Products section.
- **About Section:**
 - Brief overview of the mining machines offered.
- **Products Section:**
 - Displays three types of mining machines with a "Buy Now" button for each.
 - Clicking "Buy Now" navigates to the product details page.
- **Contact Section:**
 - Simple form to submit inquiries and feedback.

Product Details Page

Features:

- **Interactive Quantity Selection:**
 - "+" and "-" buttons for adjusting the quantity of machines.
 - Real-time feedback on selected quantities.
- **Navigation Button:**
 - "Home" button to return to the homepage quickly.

Technologies Used

- **HTML5:** Semantic structure for the website.
- **CSS3:** Styling and layout, ensuring responsiveness.
- **JavaScript:** Interactivity and dynamic functionality (e.g., quantity selection).
- **GitHub Pages:** Hosting the website.
- **Bootstrap 5:** Responsive design and reusable components.
- **ESLint 6 & Prettier:** Code quality and formatting tools.

Links

- **Live Website:** [Miner Store Website](#)

This design document summarizes the core elements of the Miner Store Project, offering a clear understanding of its purpose, audience, and functionality.