# **Hiplando Design System Specification [DS-MVP-001]**

## **1. Design Philosophy**

Our design system emphasizes luxury, trust, and professionalism while maintaining usability and efficiency. The interface should feel premium without sacrificing functionality.

## **2. Core Design Elements**

### **2.1 Color System**

css

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*/\* Primary Colors \*/*

--primary-dark: #0f603f; */\* Forest Green - Primary Brand Color \*/*

--primary: #147a50; */\* Main Interactive Elements \*/*

--primary-light: #1a9562; */\* Hover States \*/*

*/\* Neutral Colors \*/*

--neutral-100: #ffffff; */\* Background \*/*

--neutral-200: #f8f9fa; */\* Cards, Sections \*/*

--neutral-300: #e9ecef; */\* Borders \*/*

--neutral-400: #ced4da; */\* Disabled States \*/*

--neutral-500: #adb5bd; */\* Secondary Text \*/*

--neutral-600: #6c757d; */\* Body Text \*/*

--neutral-700: #495057; */\* Headings \*/*

--neutral-800: #343a40; */\* Primary Text \*/*

*/\* Semantic Colors \*/*

--success: #28a745; */\* Success States \*/*

--warning: #ffc107; */\* Warning States \*/*

--error: #dc3545; */\* Error States \*/*

--info: #17a2b8; */\* Info States \*/*

### **2.2 Typography**

css

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*/\* Font Families \*/*

--font-primary: 'Inter', -apple-system, BlinkMacSystemFont, sans-serif;

--font-display: 'Playfair Display', Georgia, serif;

*/\* Font Sizes \*/*

--text-xs: 0.75rem; */\* 12px \*/*

--text-sm: 0.875rem; */\* 14px \*/*

--text-base: 1rem; */\* 16px \*/*

--text-lg: 1.125rem; */\* 18px \*/*

--text-xl: 1.25rem; */\* 20px \*/*

--text-2xl: 1.5rem; */\* 24px \*/*

--text-3xl: 1.875rem; */\* 30px \*/*

--text-4xl: 2.25rem; */\* 36px \*/*

### **2.3 Spacing System**

css

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*/\* Base unit: 4px \*/*

--space-1: 0.25rem; */\* 4px \*/*

--space-2: 0.5rem; */\* 8px \*/*

--space-3: 0.75rem; */\* 12px \*/*

--space-4: 1rem; */\* 16px \*/*

--space-6: 1.5rem; */\* 24px \*/*

--space-8: 2rem; */\* 32px \*/*

--space-12: 3rem; */\* 48px \*/*

--space-16: 4rem; */\* 64px \*/*

### **2.4 Shadows**

css

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--shadow-sm: 0 1px 2px 0 rgb(0 0 0 / 0.05);

--shadow: 0 1px 3px 0 rgb(0 0 0 / 0.1), 0 1px 2px -1px rgb(0 0 0 / 0.1);

--shadow-md: 0 4px 6px -1px rgb(0 0 0 / 0.1), 0 2px 4px -2px rgb(0 0 0 / 0.1);

--shadow-lg: 0 10px 15px -3px rgb(0 0 0 / 0.1), 0 4px 6px -4px rgb(0 0 0 / 0.1);

## **3. Core Components**

### **3.1 Button System**

typescript

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interface ButtonProps {

variant: 'primary' | 'secondary' | 'ghost' | 'danger';

size: 'sm' | 'md' | 'lg';

isLoading?: boolean;

disabled?: boolean;

}

*// Tailwind Classes by Variant*

const buttonStyles = {

primary: "bg-primary hover:bg-primary-light text-white",

secondary: "bg-neutral-200 hover:bg-neutral-300 text-neutral-800",

ghost: "bg-transparent hover:bg-neutral-100 text-neutral-800",

danger: "bg-error hover:bg-error/90 text-white"

};

*// Size Classes*

const buttonSizes = {

sm: "px-3 py-1.5 text-sm",

md: "px-4 py-2 text-base",

lg: "px-6 py-3 text-lg"

};

### **3.2 Form Components**

## **Input Fields**

typescript

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interface InputProps {

variant: 'standard' | 'outlined';

label: string;

error?: string;

helper?: string;

required?: boolean;

}

*// Base Input Classes*

const inputBase = "w-full px-4 py-2 rounded-lg focus:outline-none focus:ring-2 focus:ring-primary focus:border-transparent transition-colors duration-200";

*// Variant Classes*

const inputVariants = {

standard: "border border-neutral-300",

outlined: "border-2 border-neutral-700"

};

## **Select Fields**

typescript

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interface SelectProps extends InputProps {

options: Array<{

label: string;

value: string | number;

}>;

}

### **3.3 Card Components**

## **Horse Profile Card**

typescript

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interface HorseProfileCardProps {

name: string;

breed: string;

age: number;

location: string;

imageUrl: string;

price?: string;

}

*// Base Card Classes*

const cardBase = "bg-white rounded-lg shadow-md overflow-hidden hover:shadow-lg transition-shadow duration-200";

## **4. Layout Guidelines**

### **4.1 Grid System**

css

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*/\* Grid Configuration \*/*

.container {

width: 100%;

margin-right: auto;

margin-left: auto;

padding-right: 1rem;

padding-left: 1rem;

}

*/\* Breakpoint-specific max-widths \*/*

@media (min-width: 640px) { .container { max-width: 640px; } }

@media (min-width: 768px) { .container { max-width: 768px; } }

@media (min-width: 1024px) { .container { max-width: 1024px; } }

@media (min-width: 1280px) { .container { max-width: 1280px; } }

### **4.2 Page Templates**

## **Standard Page Layout**

typescript

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interface PageLayoutProps {

header?: ReactNode;

sidebar?: ReactNode;

footer?: ReactNode;

children: ReactNode;

}

*// Layout Classes*

const layoutClasses = {

wrapper: "min-h-screen bg-neutral-100",

header: "sticky top-0 bg-white shadow-sm z-50",

main: "container py-8",

sidebar: "w-64 border-r border-neutral-200",

footer: "bg-neutral-800 text-white"

};

## **5. Motion & Animation**

### **5.1 Transitions**

css

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*/\* Duration \*/*

--duration-fast: 150ms;

--duration-normal: 200ms;

--duration-slow: 300ms;

*/\* Easing \*/*

--ease-in-out: cubic-bezier(0.4, 0, 0.2, 1);

--ease-out: cubic-bezier(0, 0, 0.2, 1);

--ease-in: cubic-bezier(0.4, 0, 1, 1);

### **5.2 Animation Patterns**

typescript

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*// Loading States*

const loadingAnimation = "animate-spin duration-1000 ease-in-out";

*// Fade Transitions*

const fadeTransitions = {

enter: "transition-opacity duration-200",

enterFrom: "opacity-0",

enterTo: "opacity-100",

leave: "transition-opacity duration-150",

leaveFrom: "opacity-100",

leaveTo: "opacity-0"

};

## **6. Responsive Design**

### **6.1 Breakpoints**

css

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--breakpoint-sm: 640px; */\* Mobile landscape \*/*

--breakpoint-md: 768px; */\* Tablet \*/*

--breakpoint-lg: 1024px; */\* Desktop \*/*

--breakpoint-xl: 1280px; */\* Large desktop \*/*

### **6.2 Mobile-First Principles**

* Touch targets minimum size: 44x44px
* Simplified navigation on mobile
* Stack elements vertically on smaller screens
* Hide non-essential content on mobile
* Use bottom navigation for primary actions on mobile

## **7. Implementation Notes**

### **7.1 Development Guidelines**

* Use Tailwind CSS for all styling
* Follow mobile-first approach
* Implement proper keyboard navigation
* Ensure ARIA attributes for accessibility
* Maintain consistent spacing using design system values
* Use CSS custom properties for theme values

### **7.2 Performance Considerations**

* Lazy load images and heavy components
* Use appropriate image formats and sizes
* Minimize DOM nesting
* Use CSS transforms for animations
* Implement proper loading states

### **7.3 Accessibility Guidelines**

* Maintain WCAG 2.1 AA compliance
* Ensure proper color contrast (minimum 4.5:1)
* Provide text alternatives for images
* Support keyboard navigation
* Implement proper ARIA labels and roles

## **8. Component Library Structure**

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components/

├── common/

│ ├── Button/

│ ├── Input/

│ ├── Select/

│ └── Card/

├── layout/

│ ├── Header/

│ ├── Footer/

│ ├── Sidebar/

│ └── Container/

├── features/

│ ├── HorseProfile/

│ ├── Events/

│ └── Deals/

└── utils/

├── Typography/

└── Icons/

This design system specification provides a comprehensive guide for implementing the Hiplando platform's UI/UX while working within Claude's capabilities and ensuring compatibility with GitHub Pages deployment.