

# JavaScript: Full Stack Software Development

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## Tour Bali Like a Local – Planning & Analysis

### Project Aim

This website is designed as a comprehensive, interactive travel companion for anyone planning a trip to Bali. The goal was to make something practical for users—especially those who want to go beyond the basic tourist route—and to create a site that’s mobile-friendly, inviting, and easy for anyone to use.

Target Audience & Voice:

- Solo travellers, students, and families who want honest, up-to-date advice
- Visitors seeking a “local” perspective rather than a package holiday
- Anyone who appreciates a clear, friendly, and slightly playful tone

The voice of the site is approachable yet professional, aiming to resonate with travellers seeking authentic experiences. By blending concise, informative content with a conversational tone, the website engages users while maintaining credibility. The presentation avoids clichés and focuses on practical advice that aligns with the needs of modern, tech-savvy explorers. Accessibility is a core principle, ensuring that the content, visuals, and features are inclusive for all users.

### Design Philosophy & Tools

- Mobile-first: Most travellers research on their phones, so every page is fully responsive
- Colour palette: Calming greens and golds, with clear contrast for readability

- Semantic HTML and ARIA: For accessibility and logical content structure
- CSS variables: Used throughout for consistent theming
- Interactive JS: Enhances experience (accordions, persistent checklist, dark mode), but content remains accessible without JS
- Modern icons & SVGs for sharp visuals at any size

## Home ([index.html](#))

The homepage is a welcoming, visually rich starting point.

### Navigation (All Pages)

A consistent, accessible nav bar at the top of every page gives users easy access to the main site sections. Menu adapts to mobile with a hamburger button and is fully keyboard navigable.

### Hero Section

Prominent hero image and title set the tone, with subhead and quick links to core features. Colour overlay and large fonts ensure readability on any device.

### Fun Fact Section

Animated “Did You Know?” block shares Bali facts, adding a light-hearted, local flavour. The typewriter effect respects reduced motion settings.

### Essential Highlights Grid

A visually engaging grid introduces Bali’s top experiences. Each card features a photo, a short tip, and meaningful alt text for accessibility.

### Local Lingo Aside

A compact, highlighted list of useful Indonesian phrases. Styled to stand out for quick reference and marked as an `<aside>` for screen readers.

### Footer

Accessible social icons, copyright notice, and consistent branding close every page. SVG icons are labelled for screen readers.

## Itinerary ([itinerary.html](#))

The itinerary page offers a realistic, day-by-day plan for a two-week Bali trip. It is meant to help users imagine (and adjust) their own journey.

### Day-by-Day Accordion

Each day's activities are tucked into an accordion for easy navigation. Users can expand/collapse details for each day using mouse or keyboard. All ARIA attributes and focus states included for accessibility.

### **Bali Map**

A responsive, centred Google Map gives geographical context. Map is intentionally simple to avoid clutter; custom pins could be added in the future.

### **[Travel Tips \(travel-tips.html\)](#)**

This page brings together every practical detail for a smooth Bali trip. Information is organized for quick scanning, especially on mobile.

### **Packing Checklist**

A checklist of essential items—each can be ticked off. Progress is saved automatically (local Storage), so users can return later. If all boxes are ticked, a confetti animation and a congratulatory message appear. Fully keyboard and screen-reader accessible.

### **FAQs Accordion**

Expandable answers to the most common Bali travel questions (e.g., money, safety, SIM cards, transport). Same accessible accordion style as the itinerary.

### **Packing List with Icons**

Grid of visual icons for packing essentials, making it easy for users to check what they need at a glance.

### **Scams & Etiquette Aside**

Colour-highlighted tips warn about common scams and explain cultural etiquette, to help travellers avoid embarrassment or trouble.

### **Subscribe Form**

A simple email form to sign up for updates. Includes real-time validation and instant feedback (error or success) for better usability.

### **[Highlights \(highlights.html\)](#)**

This gallery-style page showcases Bali's unmissable sights. Designed for both inspiration and practical travel planning.

### **Highlights Grid**

Six must-see attractions, each with a colourful badge and local tip. Cards can be clicked to see enlarged images. All content is labelled for accessibility.

### **How to Do 3 Highlights in 1 Day**

A sample schedule (“mini-itinerary”) shows how visitors can combine multiple highlights efficiently.

### **Local Hack**

Quick, personal advice in a bold aside, such as hiring a scooter or best times to visit.

### **Technical Features & Accessibility**

- Semantic HTML5 throughout (header, main, section, aside, article, nav)
- ARIA attributes on all accordions and nav for screen reader support
- All images and SVG icons include descriptive alt text or aria-labels
- Persistent local Storage state for the checklist
- Colour contrast tested for both modes (light/dark)
- Responsive breakpoints down to ~350px screen width
- All navigation, accordions, and forms are fully keyboard accessible
- Dark mode is toggleable and persists between sessions

### **Testing & Devices**

The site was tested on Chrome, Firefox, Edge (desktop) and Chrome(Phone). Extra attention was paid to font size and tap targets on mobile.

### **Documentation & Planning Docs**

See the /planning folder for wireframes, sitemap, and a short design rationale. All images and icons are credited in the README or via captions.

### **Future Improvements**

Potential improvements include:

- Adding interactive map pins/routes on the itinerary map
- More user customization, such as editable itineraries
- Deeper accessibility (language toggling, font size controls)
- Adding a gallery or user reviews page
- More comprehensive test suite for edge devices

This project was designed and built to give real travellers a practical, enjoyable planning experience—and to demonstrate strong, accessible web development for assessment.

All content is original, and technical/development decisions were made with clarity, accessibility, and mobile-first design in mind.

## **Sources & References**

- Photos and Images:

Most travel and destination images: Unsplash and Wikimedia Commons, used under their free-use and Creative Commons licenses. See alt text/captions for individual attributions where relevant.

Social media and UI icons: SVG Repo and Feather Icons, licensed for open use.

- Map:

Google Maps embed, licensed and displayed according to Google's guidelines.

- Travel Facts and Tips:

All text, research, and travel advice are original.

- All images and resources used are for educational and demonstration purposes only

## Sitemap:

