**JavaScript: Full Stack Software Development**

**University College Dublin**

**Professor: Anand Veeraswamy**

Felicia Otieno | 07/06/2025

Github: <https://feliciaotieno.github.io/javascript-assessment/>

# 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:

